

## Complete list of publications by Hervé Bocherens (stand 19<sup>th</sup> March 2024)

(underlined are supervised students at the time of publication)

Articles in refereed Journals:

### In press

- A1. Briatico, G., **Bocherens, H.**, Bonnefille, R., Geraads, D., Melis, R.T., Mussi, M., in press. A view from the highlands: the Pleistocene environment between 2 and 0.6 Ma at Melka Kunture (Upper Awash, Ethiopia), based upon stable isotope analysis. *Scientific Reports*
- A2. Suraprasit, K., Yamee, C., Chaimanee, Y., Jaeger, J.-J., **Bocherens, H.**, in press. The Pleistocene grassland-dominated mammal fauna from Tham Kra Duk (Nakhon Si Thammarat, Peninsular Thailand). *Historical Biology*. <https://doi.org/10.1080/08912963.2023.2283936>

### 2024

- A3. Roditi, E., **Bocherens, H.**, Konidaris, G.E., Athanassiou, A., Turloukis, V., Karkanas, P., Panagopoulou, E., Harvati, K., 2024. Life history of *Palaeoloxodon antiquus* reveals Middle Pleistocene glacial refugium in the Megalopolis basin, Greece. *Scientific Reports* <https://doi.org/10.1038/s41598-024-51592-9>
- A4. Suraprasit, K., Shoocongdej, R., Wattanapitaksakul, A., Chintakanon, K., **Bocherens, H.**, 2024. The late occurrence of specialized hunter-gatherer occupation of tropical rainforests in Pang Mapha, northwestern Thailand. *Quaternary Science Reviews* 329: 108573. <https://doi.org/10.1016/j.quascirev.2024.108573>
- A5. Yravedra, J., Courtenay, L.A., Gutiérrez-Rodríguez, M., Saarinan, J., Égüez, N., Luzón, C., Rodríguez-Alba, J.J., Solano, J.A., Tilton, S., Montilla-Jiménez, E., Cámara-Donoso, J., Herranz-Rodrigo, H., Estaca, V., Serrano-Ramos, A., Amorós, G., Azanza, B., **Bocherens, H.**, DeMiguel, D., Fagoaga, M., García-Alix, A., Jiménez-Espejo, F., Kaakinen, A., Munuera, M., Ochando, J., Piñero, P., Sánchez-Bandera, C., Viranta-Kovanen, S., Fortelius, M., Agustí, J., Blain, H.-A., Carrión, J., Barsky, D., Oms, O., Mallol, C., Jiménez-Arenas, J.M., 2024. Not seen before. Unveiling depositional context and *Mammuthus meridionalis* exploitation at Fuente Nueva 3 (Orce, Southern Iberia) through taxonomy and micromorphology. *Quaternary Science Reviews* 329: 108561. <https://doi.org/10.1016/j.quascirev.2024.108561>

### 2023

- A6. Baumann, C., Hussain, S.T., Roblíčková, M., Riede, F., Mannino, M., **Bocherens, H.**, 2023. Earliest evidence for hunter-gatherer impacts on raven diet and ecology in the Early Gravettian of Southern Moravia. *Nature Ecology & Evolution* 7 : 1302-1314. <https://www.nature.com/articles/s41559-023-02107-8>
- A7. Briatico, G., **Bocherens, H.**, Bonnefille, R., Geraads, D., Mussi, M., 2023. Isotopic insights into the the Early Acheulean (1.95 Ma – 1.66 Ma) high elevation paleoenvironments at Melka Kunture (Upper Awash, Ethiopia). *Archaeological and Anthropological Sciences* 15: 184. <https://doi.org/10.1007/s12520-023-01879-1>
- A8. Briatico, G., **Bocherens, H.**, 2023. Middle Pleistocene paleoecology in central Italy. New isotopic insights from fauna tooth enamel of Casal de' Pazzi (Rome, Italy). *Journal of Mediterranean Earth Sciences* 15: 141-152 <https://doi.org/10.13133/2280-6148/18031>
- A9. Briatico, G., Gioia, P., **Bocherens, H.**, 2023. Diet and habitat of the late Middle Pleistocene mammals from Casal de' Pazzi site (Rome, Italy) using stable carbon and oxygen isotope ratios. *Quaternary International* 676: 53-62. <https://doi.org/10.1016/j.quaint.2023.11.002>
- A10. Cucchi, T., Harbers, H., Neaux, D., Balasse, M., Garbé, L., Fiorillo, D., **Bocherens, H.**, Drucker, D.G., Zanolli, C., Cornette, R., Arbogast, R.M., Bréhard, S., Bridault, A., Gourichon, L., Guilaine, J., Manen, C., Perrin, T., Schafberg, R., Tresset, A., Vigne, J.D., Herrel, A., 2023. Phenotypic evolution in wild boars (*Sus scrofa*) during 4500 years of Neolithic transition in Western Europe. *Quaternary Science Reviews* 309: 108100 <https://doi.org/10.1016/j.quascirev.2023.108100>
- A11. Gimranov, D., **Bocherens, H.**, Kavcik-Graumann, N., Nagel, D., Rabeder, G., 2023. The cave bears from Imanay (Southern Urals, Russia). *Historical Biology* 35: 580-588. <https://doi.org/10.1080/08912963.2022.2056837>
- A12. Gomes, V.S., Lessa, C.M.B., Ribeiro de Oliveira, G., Machado Bantim, R.A., Sayão, J., **Bocherens, H.**, Araújo, H.I. Jr, Dantas, M.A.T., 2023. Seasonal variations in diet ( $\delta^{13}\text{C}$ ) and climate ( $\delta^{18}\text{O}$ ) inferred through toxodonts enamel teeth during the Late Pleistocene in the Brazilian Intertropical Region. *Journal of South American Earth Sciences* 121: 104148. <https://doi.org/10.1016/j.jsames.2022.104148>
- A13. Habinger, S.G., Chavasseau, O., Ducrocq, S., Chaimanee, Y., Jaeger, J.J., Sein, C., Aung Naing Soe, Stern, S., **Bocherens, H.**, 2023. Isotopic niche modelling of the mammal fauna from the Pondaung Fm., Myanmar, shows microhabitat differences. Insights into paleoecology and early anthropoid primate habitats. *Frontiers in Ecology and Evolution* 11:1110331. <https://doi.org/10.3389/fevo.2023.1110331>

- A14. Krajcarz, M.T., Baca, M., Baumann, C., **Bocherens, H.**, Goslar, T., Popović, D., Sudoł-Procyk, M., Krajcarz, M., 2023. New insights into Late Pleistocene cave hyena chronology and population history – the case of Perspektywiczna Cave, Poland. *Radiocarbon* 65: 1038-1056. <https://doi.org/10.1017/RDC.2023.89>
- A15. Ma, J., Sun, B., **Bocherens, H.**, Deng, T., 2023. New insights on the Plio-Pleistocene Equidae palaeoecology and evolution in East Asia. *Palaeogeography, Palaeoclimatology, Palaeoecology* 614: 111416. <https://doi.org/10.1016/j.palaeo.2023.111416>
- A16. Mussi, M., Méndez-Quintas, E., Barboni, D., **Bocherens, H.**, Bonnefille, R., **Briatico, G.**, Geraads, D., Melis, R.T., Panera, J., Piolo, P., Domínguez, A.S., Rubio Jara, S., 2023. A surge in obsidian exploitation more than 1.2 million years ago at Simbiro III (Melka Kunture, Upper Awash, Ethiopia). *Nature Ecology and Evolution* 7: 337-346. <https://doi.org/10.1038/s41559-022-01970-1>
- A17. Mussi, M., Skinner, M.M., Melis, R.T., Panera, J., Rubio Jara, S., Davies, T.W., Imbrasas, M., Geraads, D., **Bocherens, H.**, **Briatico, G.**, Le Cabec, A., Hublin, J.-J., Gidna, A., Bonnefille, R., Di Bianco, L., Méndez-Quintas, E., 2023. Early *Homo erectus* lived at high altitudes and produced both Oldowan and Acheulean tools. *Science* 382(6671): 713-718. <https://www.science.org/doi/10.1126/science.add9115>
- A18. Posth, C., Yu, H., Ghalichi, A., Rougier, H., Crevecoeur, I., Huang, Y., Ringbauer, H., Rohrlach, A.B., Nägele, K., Villalba-Mouco, V., Radzeviciute, R., Ferraz, T., Stoessel, A., Tikhobatova, R., Drucker, D.G., Lari, M., Modi, A., Saube, T., Scheib, C.L., Catalano, G., Pagani, L., Talamo, S., Fewlass, H., Klaric, L., Morala, A., Rué, M., Madelaine, S., Crépin, L., Caverne, J.B., Bocaeye, E., Ricci, S., Boschin, F., Bayle, P., Maureille, B., Le Brun-Ricalens, F., Bordes, J.G., Oxilia, G., Bortolini, E., Bignon-Lau, O., Debout, G., Orliac, M., Zazzo, A., Sparacello, V., Starnini, E., Sineo, L., van der Plicht, H., Pecqueur, L., Merceron, G., Garcia, G., Leuvrey, J.M., Garcia, C.B., Gómez-Olivencia, A., Poltowicz-Bobak, D., Le Luyer, M., Storm, P., Hoffmann, C., Kabacinski, J., Filimonova, T., Shnaider, S., Berezina, N., González-Rabanal, B., González Morales, M.R., Marín-Arroyo, A.B., López, B., Alonso-Llamazares, C., Ronchitelli, A., Polet, C., Jadin, I., Cauwe, N., Soler, J., Coromina, N., Rufi, I., Cottiaux, R., Clark, G., Straus, L.G., Julien, M.A., Renhart, S., Talaa, D., Benazzi, S., Romandini, M., Amkreutz, L., **Bocherens, H.**, Wißing, C., Villotte, S., Fernández-López de Pablo, J., Gómez-Puche, M., Esquembre-Bebia, M.A., Bodu, P., Smits, L., Souffi, B., Jankauskas, R., Kozakaité, J., Cupillard, C., Benthien, H., Wehrberger, K., Schmitz, R.W., Feine, S.C., Schüler, T., Thevenet, C., Grigorescu, D., Lüth, F., Kotula, A., Piezonka, H., Schopper, F., Svoboda, J., Sázalová, S., Chizhevsky, A., Khokhlov, A., Conard, N.J., Valentin, F., Harvati, K., Semal, P., Jungklaus, B., Suvorov, A., Schulting, R., Moiseyev, V., Mannermaa, K., Buzhilova, A., Terberger, T., Caramelli, D., Altena, E., Haak, W., Krause, J., 2023. Paleogenomics of Upper Paleolithic to Neolithic European hunter-gatherers. *Nature* 615: 117-126. <https://doi.org/10.1038/s41586-023-05726-0>
- A19. Sánchez-Bandera, C., Moreno, A.F., Serrano-Ramos, A., Solano-García, J., Barsky, D., DeMiguel, D., Ochando, J., Saarinen, J., Piñero, P., Lozano-Fernández, I., Courtenay, L.A., Tifton, S., Luzón, C., **Bocherens, H.**, Yravedra, J., Fortelius, M., Agustí, J., Carrión, J.S., Oms, O., Blain, H.A., Jiménez-Arenas, J.M., 2023. Glacial/interglacial climate variability in Southern Spain during the late Early Pleistocene and climate backdrop for early *Homo* in Europe. *Palaeogeography, Palaeoclimatology, Palaeoecology* 625: 111688. <https://doi.org/10.1016/j.palaeo.2023.111688>
- A20. Scheifler, N.A., Merino, M., Vitale, P., Kaufmann, C., Messineo, P., Álvarez, M.C., **Bocherens, H.**, 2023. Isotopic ecology in modern and Holocene populations of Pampas deer (*Ozotoceros bezoarticus*) from central-eastern Argentina. Implications for conservation biology and ecological models of hunter-gatherer subsistence. *Environmental Archaeology: The Journal of Human Palaeoecology* 28(2): 45-61. <https://doi.org/10.1080/14614103.2020.1846451>

## 2022

- A21. Bergström, A., Stanton, D., Taron, U.H., Frantz, L., Sinding, M.-H.S., Ersmark, E., Pfrengle, S., Cassatt-Johnstone, M., Lebrasseur, O., Girdland-Flink, L., Fernandes, D., Ollivier, Speidel, L., M., Gopalakrishnan, S., Westbury, M., Ramos-Madrugal, J., Feuerborn, T.R., Reiter, E., Gretzinger, J., Münzel, S.C., Swali, P., Conard, N., Carøe, C., Haile, J., Linderholm, A., Androsov, S., Barsed, I., Baumann, C., Benecke, N., **Bocherens, H.**, Brace, S., Carden, R.F., Drucker, D.G., Fedorov, S., Gasparik, M., Germonpré, M., Grigoriev, S., Groves, P., Hertwig, S.T., Ivanova, V.V., Janssens, L., Jennings, R.P., Kasparov, A.K., Kirillova, I.V., Kurmaniyazov, I., Kuzmin, Y., Kosintsev, P.A., Lázníčková-Galetová, M., Leduc, C., Nikolskiy, P., Nussbaumer, M., O'Drisceoil, C., Orlando, L., Outram, A., Pavlova, E.Y., Perri, A.R., Pilot, M., Pitulko, V.V., Plotnikov, V., Protopopov, A., Rehazek, A., Sablin, M., Seguin-Orlando, A., Storå, J., Verjux, C., Zaibert, V.F., Zazula, G., Crombé, P.M., Hansen, A., Willerslev, E., Leonard, J.A., Götherström, A., Pinhasi, R., Schuenemann, V.J., Hofreiter, M., Gilbert, M.T.P., Shapiro, B., Larson, G., Krause, J., Dalén, L., Skoglund, P., 2022. Gray wolf genomic history reveals a dual ancestry of dogs. *Nature* 607: 313-320. <https://doi.org/10.1038/s41586-022-04824-9>

- A22. **Habinger, S.**, Chavasseau, O., Jaeger, J.J., Chaimanee, Y., Merceron, G., Chit Sein, Aung Naing Soe, **Bocherens, H.**, 2022. Evolutionary ecology of Miocene hominoid primates in Southeast Asia. *Scientific Reports* 12: 11841. <https://doi.org/10.1038/s41598-022-15574-z>
- A23. Hardy, K., **Bocherens, H.**, Miller, J.B., Copeland, L., 2022. Reconstructing Neanderthal diets; the case for plant carbohydrates. *Journal of Human Evolution* 162: 103105. <https://doi.org/10.1016/j.jhevol.2021.103105>
- A24. Kosintsev, P.A., **Bocherens, H.**, Kirillova, I.V., Levchenko, V.A., Zazovskaya, E.P., Shidlovskiy, F.K., Trofimova, S.S., Lindqvist, C., 2022. Paleoecological and genetic analysis of Late Pleistocene bears in Asiatic Russia. *Boreas* 51(2): 465-480. <https://doi.org/10.1111/bor.12570>
- A25. Krajcarz, M., Van Neer, W., Krajcarz, M.T., Popovic, D., Baca, M., De Cupere, B., Goffette, Q., Küchelmann, H.C., Grezak, A., Iwaszczuk, U., Ottoni, C., Van de Vijver, K., Wilczynski, J., Mulczyk, A., Wiejacki, J., Makowiecki, D., **Bocherens, H.**, 2022. Stable isotopes unveil one millennium of domestic cat paleoecology in Europe. *Scientific Reports* 12: 12775. <https://doi.org/10.1038/s41598-022-16969-8>
- A26. Milton, E., Stansell, N.D., **Bocherens, H.**, Brownlee, A.H., Chala-Aldana, D., Rademaker, K., 2022. Examining Surface Water  $\delta^{18}\text{O}$  and  $\delta^2\text{H}$  Values in the Western Central Andes: A Watershed Moment for Anthropological Mobility Studies. *Journal of Archaeological Sciences* 146: 105655. <https://doi.org/10.1016/j.jas.2022.105655>
- A27. Muñiz Guinea, F., Cáceres Puro, L.M., Díaz-Zorita Bonilla, M., Vargas Jiménez, J.M., **Bocherens, H.**, Nebelsick, J.H., Donaïre Romero, T., Rodríguez-Vidal, J., 2022. Environmental implications and chalcolithic ornamental use of marine barnacle shells present in the tholos of “La Pastora” (Valencina de la Concepción, Sevilla, Spain). *Environmental Archaeology: The Journal of Human Palaeoecology* 27(5): 496-507. <https://doi.org/10.1080/14614103.2021.1891813>
- A28. Naito, Y.I., Hirose, M., Belmaker, M., Henry, D.O., Osawa, M., Nakazawa, T., **Habinger, S.**, Tung, P., **Bocherens, H.**, Massadeh, S., Kadowaki, S., 2022. Paleoenvironment and human hunting activity during MIS 2 in southern Jordan: Isotope records of prey remains and paleosols. *Quaternary Science Reviews* 282: 107432. <https://doi.org/10.1016/j.quascirev.2022.107432>
- A29. Ochando, J., Carrión, J.S., Altolaguirre, Y., Munuera, M., Amorós, G., Jiménez-Moreno, G., Solano-García, J., Barsky, D., Luzón, C., Sánchez-Bandera, C., Toro-Moyano, I., Saarinen, J., Blain, H.A., Serrano-Ramos, A., **Bocherens, H.**, Oms, O., Agustí, J., Fortelius, M., Jiménez-Arenas, J.M., 2022. Palynological investigations in the Orce archaeological zone, Early Pleistocene of southern Spain. *Review of Palaeobotany and Palynology* 304: 104725. <https://doi.org/10.1016/j.revpalbo.2022.104725>
- A30. Saarinen, J., Fortelius, M., **Bocherens, H.**, Oriol, O., Carrion, J., Agusti, J., Jimenez-Arenas, J.M., 2022. Revisiting the paleoenvironment reconstruction of the Orce sites and the early Homo habitats in western Europe. A response to Palmqvist et al. (2022). *Quaternary Science Reviews* 297: 107730. <https://doi.org/10.1016/j.quascirev.2022.107730>

## 2021

- A31. Baumann, C., Pfrengle, S., Münzel, S.C., Thalmann, O., Molak, M., Breidenstein, A., Albrecht, G., Kind, C.-J., Conard, N.J., Drucker, D.G., Verjux, C., Leduc, C., Feuerborn, T., Reiter, E., Giemsch, L., Krause, J., **Bocherens, H.**, Schuenemann, V.J., 2021. A refined proposal for the origin of dogs - The case study of Gnirshöhle, a Magdalenian cave site. *Scientific Reports* 11: 5137. <https://doi.org/10.1038/s41598-021-83719-7>
- A32. Germonpré, M., Lázničková-Galetová, M., Sablin, M., **Bocherens, H.**, Prassack, K., 2021. Some comments on “Friend of Foe? Large canid remains from Pavlovian sites and their archaeozoological context”, a paper by Wilczynski et al. (2020). *Journal of Anthropological Archaeology* 63: 101329. <https://doi.org/10.1016/j.jaa.2021.101329>
- A33. Germonpré, M., Van den Broeck, M., Lázničková-Galetová, M., Sablin, M., **Bocherens, H.**, 2021. Mothering the orphaned pup, or becoming a dog in the Upper Palaeolithic. *Human Ecology: An Interdisciplinary Journal* 49(6): 677-689. <https://doi.org/10.1007/s10745-021-00234-z>
- A34. **Ma, J.**, Wang, Y., Baryshnikov, G., Drucker, D.G., Zhang, H., **Bocherens, H.**, Hu, Y., 2021. The *Mammuthus-Coelodonta* Fauna Complex at its southeastern limit: a biogeochemical paleoecology investigation in Northeast Asia. *Quaternary International* 591: 93-106. <https://doi.org/10.1016/j.quaint.2020.12.024>
- A35. Ramos-Madrigal, J., Sinding, M.H.S., Niemann, J., Samaniego Castruita, J.A., Carøe, C. Mak, S.S.T., Germonpré, M., Fedovov, S., **Bocherens, H.**, Pitulko, V.V., Pavlova, E.Y., Nikolskiy, P.A., Kasparov, A.K., Ivanova, V.V., Larson, G., Frantz, L.A.F., Willerslev, E., Meldgaard, M., Feuerborn, T., Petersen, B., Sicheritz-Ponten, T., Bachmann, Wiig, Ø., Hansen, A.J., Gilbert, M.T., Gopalakrishnan, S., 2021. Genomes of Pleistocene Siberian wolves uncover multiple extinct wolf lineages. *Current Biology* 31: 198-206. <https://doi.org/10.1016/j.cub.2020.10.002>
- A36. Rey-Iglesia, A., Lister, A.M., Stuart, A.J., **Bocherens, H.**, Szpak, P., Willerslev, E., Lorenzen, E.D., 2021. Late Pleistocene palaeoecology and phylogeography of woolly rhinoceroses. *Quaternary Science Reviews* 263: 106993. <https://doi.org/10.1016/j.quascirev.2021.106993>

- A37. Saarinen, J., Oksanen, O., Žliobaitė, I., de Miguel, D., Azanza, B., **Bocherens, H.**, Luzón, C., Yravedra, J., Courtenay, L., Blain, H.-A., Sánchez-Bandera, C., Serrano-Ramos, A., Barsky, D., Solano-García, J., Tallavaara, M., Jiménez-Arenas, J.M., Oms, O., Agusti, J., Fortelius, M., 2021. Pliocene to Middle Pleistocene history of climate and environmental changes in the Guadix-Baza Basin and the environmental conditions of early human dispersal into Europe. *Quaternary Science Reviews* 268: 107132. <https://doi.org/10.1016/j.quascirev.2021.107132>
- A38. Suraprasit, K., Shoocongdej, R., Chintakanon, K., **Bocherens, H.**, 2021. Late Pleistocene human ecology in a savanna ecosystem and its subsequent rainforest occupation in highland northwestern Thailand. *Scientific Reports* 11:16756 <https://doi.org/10.1038/s41598-021-96260-4>
- 2020**
- A39. **Baumann, C., Bocherens, H.**, Drucker, D.G., Conard, N.J., 2020. Fox dietary ecology as a tracer of human impact on Pleistocene ecosystems. *PLoS ONE* 15(7): e0235692. <https://doi.org/10.1371/journal.pone.0235692>
- A40. **Baumann, C., Starkovich, B.M., Drucker, D.G., Münzel, S.C., Conard, N.C., Bocherens, H.** 2020. Dietary niche partitioning among Magdalenian canids in southwestern Germany and Switzerland. *Quaternary Science Reviews* 227: 106032. <https://doi.org/10.1016/j.quascirev.2019.106032>
- A41. Dantas, M.A.T., Cherkinsky, A., Lessa, C.M.F., Santos, L.V., Cozzuol, M.A., Omena, É.C., Lopes da Silva, J.L., Sial, A.N., **Bocherens, H.**, 2020. Isotopic paleoecology ( $\delta^{13}\text{C}$ ,  $\delta^{18}\text{O}$ ) of a Late Pleistocene vertebrate community from Sergipe, NE Brazil. *Revista Brasileira de Paleontologia* 23(2): 138-152. <https://doi.org/10.4072/rbp.2020.2.05>
- A42. **Habinger, S., De Cupere, B., Dövenner, F., Pucher, E., Bocherens, H.**, 2020. Mobility and origin of camels in the Roman Empire through serial stable carbon and oxygen isotopes variations in tooth enamel. *Quaternary International* 567 : 80-91. <https://doi.org/10.1016/j.quaint.2020.05.029>
- A43. Krajcarz, M., Krajcarz, M.T., Baca, M., **Baumann, C., van Neer, W., Popović, D., Sudot-Procyk, M., Wach, B., Wilczyński, J., Wojenka, M., Bocherens, H.**, 2020. Ancestors of domestic cats in Neolithic Central Europe – isotopic evidence of a synanthropic diet. *PNAS* 117(30): 17710-17719. <https://doi.org/10.1073/pnas.1918884117>
- A44. Lipson, M., Ribot, I., Mallick, S., Rohland, N., Olalde, I., Adamski, N., Broomandkoshbacht, N., Lawson, A.M., Lopez, S., Oppenheimer, J., Stewardson, K., Asombang, R., **Bocherens, H.**, Bradman, N., Cornelissen, E., Crevecoeur, I., Lavachery, P., de Maret, P., Mindzie, C.M., Orban, R., Sawchuk, E., Semal, P., Patterson, N., Hellenthal, G., Lalueza-Fox, C., MacEachern, S., Prendergast, M., Reich, D., 2020. Ancient West African foragers in the context of deep human genetic history. *Nature* 577: 665-670. <https://doi.org/10.1038/s41586-020-1929-1>
- A45. Lister, A., Rivals, F., Barkai, R., **Bocherens, H.**, 2020. Current research on mammoths and their relatives. *Quaternary Science Reviews* 231: 106174. <https://doi.org/10.1016/j.quascirev.2020.106174>
- A46. Loog, L., Thalmann, O., Sinding, M.-H.S., Schuenemann, V., Perri, A., Germonpré, M., **Bocherens, H.**, Witt, K.E., Samaniego Castruita, J.A., Velasco, M.S., Lundstrøm, I.K.C., Wales, N., Sonet, G.E., Frantz, L., Schroeder, H., Budd, J., Elodie-Laure, J., Fedorov, S., Gasparyan, B., Kandel, A.W., Lázníčková-Galetová, M., Napierala, H., Uerpmann, H.-P., Nikolskiy, P.A., Pavlova, E.Y., Pitulko, V.V., Herzog, K.-H., Malhi, R.S., Willerslev, E., Hansen, A.J., Dobney, K., Gilbert, T.P., Krause, J., Larson G., Eriksson, A., Manica, A., 2020. Modern wolves trace their ancestry to a late Pleistocene expansion from Beringia. *Molecular Ecology* 162: 2015-2025. <https://doi.org/10.1111/mec.15329>
- A47. Lord, E., Dussex, N., Kierczak, M., Díez-del-Molino, D., Ryder, O.A., Stanton, D.W.G., Gilbert, M.T.P., Sánchez-Barreiro F., Zhang G., Sinding, M.H.S., Lorenzen E.D., Fedorov S., **Bocherens, H.**, Nathan, S., Goosens, B., van der Plicht, J., Chan, Y.L., Prost, S., Potapova O., Kirillova, I., Lister, A.M., Heintzman, P.D., Kapp, J., Shapiro, B., Vartanyan, S., Götherström, A., Dalén, L., 2020. Pre-extinction demographic stability and genomic signatures of adaptation in the woolly rhinoceros. *Current Biology* 30(19): 3871-3879. <https://doi.org/10.1016/j.cub.2020.07.046>
- A48. Metz, J., Lampei, C., **Bäumler, L., Bocherens, H.**, Dittberner, H., Henneberg, L., de Meaux, J., Tielbörger, K., 2020. Rapid adaptive evolution to drought in a subset of traits in a multi-site climate change experiment. *Ecology Letters* 20: 1643-1653. <https://doi.org/10.1111/ele.13596>
- A49. Naito, Y., Meleg, I., Robu, M., Drucker, D.G., Wißing, C., Hofreiter, M., Barlow, A., **Bocherens, H.**, 2020. Heavy reliance on plants for Romanian cave bears evidenced by amino acid nitrogen isotope analysis. *Scientific Reports* 10: 6612. <https://doi.org/10.1038/s41598-020-62990-0>
- A50. Oinonen, M., Alenius, T., Arppe, L., **Bocherens, H.**, Etu-Sihvola, H., Helama, S., Huhtamaa, H., Lahtinen, M., Mannerman, K., Onkamo, P., Vanhanen, S., Wessman, A., 2020. Burdened by nature, buried in water – Resilience carried the Iron Age people through Fimbulvinter. *PLoS ONE* 15(4): e0231787. <https://doi.org/10.1371/journal.pone.0231787>
- A51. Owocki, K., Kremer, B., **Cotte, M., Bocherens, H.**, 2020. Diet preferences and climate inferred from Oxygen and Carbon isotopes of tooth enamel of *Tarbosaurus baatar* (Nemegt Formation, Mongolia). *Palaeogeography, Palaeoclimatology, Palaeoecology* 537: 109190. <https://doi.org/10.1016/j.palaeo.2019.05.012>

- A52. Pushkina, D., Saarinen, J., Ziegler, R., **Bocherens, H.**, 2020. Stable isotopic and mesowear reconstructions of paleodiet and habitat of the Middle and Late Pleistocene mammals in South-Western Germany. *Quaternary Science Reviews* 227: 106026 <https://doi.org/10.1016/j.quascirev.2019.106026>
- A53. **Ring, S.J., Bocherens, H.**, Wings, O., Rabi, M., 2020. Divergent mammalian body size in a stable Eocene greenhouse climate. *Scientific Reports* 10:3987. <https://doi.org/10.1038/s41598-020-60379-7>
- A54. Ruff, I., Drucker, D.G., **Bocherens, H.**, Lloveras, L., Soler, J., Soler, N., 2020. Revision on the occurrence of musk ox (*Ovibos moschatus* Zimmerman 1780) from the Gravettian of Arbreda Cave (Serinyà, Northeast of Iberian Peninsula): New insights for the study of Iberian cold-adapted faunas. *Boreas* 49: 858-872. <https://doi.org/10.1111/bor.12455>
- A55. Suraprasit, K., Jaeger, J.-J., Shoocongdej, R., Chaimanee, Y., Wattanapituksakul, A., **Bocherens, H.**, 2020. Long-term isotope evidence on the diet and habitat breadth of Pleistocene to Holocene caprines in Thailand: implications for the extirpation and conservation of Himalayan gorals. *Frontiers in Ecology and Evolution* 8:67. <https://doi.org/10.3389/fevo.2020.00067>
- 2019**
- A56. Arppe, L., Karhu, J.A., Vartanyan, S., Drucker, D.G., Etu-Sihvola, H., **Bocherens, H.**, 2019. Thriving or surviving? The isotopic record of the Wrangel Island woolly mammoth population. *Quaternary Science Reviews* 222: 105889. <https://doi.org/10.1016/j.quascirev.2019.105889>
- A57. **Bocherens, H.** 2019. Isotopic insights on cave bear palaeodiet. *Historical Biology* 31: 410-421. <https://doi.org/10.1080/08912963.2018.14465419>
- A58. Bons, P.D., Bauer, C.C., **Bocherens, H.**, de Riese, T., Drucker, D.G., Francken, M., Menéndez, L., Uhl, A., van Milligen, B.P., Wißing, C. 2019. Out of Africa by spontaneous migration waves. *PLoS ONE* 14(4): e0201998. <https://doi.org/10.1371/journal.pone.0201998>
- A59. Díaz-Zorita Bonilla, M., Aranda Jiménez G., **Bocherens, H.**, Escudero Carillo, J., Sánchez Romero, M., Lozano Medina, Á., Alarcón García, E., Milesi García, L., 2019. Multi-isotopic diet determination of Southeastern Iberian Megalithic populations: The cemeteries of El Barranquete and Panoría. *Archaeological and Anthropological Science* 11(8): 3681-3698. <https://doi.org/10.1007/s12520-018-0769-5>
- A60. **Etu-Sihvola, H., Bocherens, H.**, Drucker, D.G., Junno, A.P., Mannerman, K., Oinonen, M., Uusitalo, J., Arppe, L., 2019. The dIANA database – isotopic baseline for paleodietary research in the Baltic Sea area. *Journal of Archaeological Science: Reports* 24: 1003-1013. <https://doi.org/10.1016/j.jasrep.2019.03.005>
- A61. **Gretzinger, J.**, Molak, M., Reiter, E., Pfrengle, S., Urban, C., Neukamm, J., Blant, M., Conard, N.J., Cupillard, C., Dimitrijević, V., Drucker, D.G., **Hofman-Kamińska, E.**, Kowalczyk, R., Paunovic, M., Krajcarz, M.T., Krajcarz, M., Münzel, S.C., Peresani, M., Romandini, M., Ruff, I., Soler, J., Terlato, G., Krause, J., **Bocherens, H.**, Schuenemann, V.J., 2019. Large-scale mitogenomic analysis of the phylogeography of the Late Pleistocene cave bear. *Scientific Reports* 9: 10700 <https://doi.org/10.1038/s41598-019-47073-z> (Top 100 most downloaded Earth science papers for *Scientific Reports* in 2019, with 14,500 page views by over 10,000 users from over 80 countries)
- A62. **Hofman-Kamińska, E., Bocherens, H.**, Drucker, D.G., Fyfe, R.M., Gumiński, W., Makowiecki, D., Pacher, M., Piličiauskienė, G., Samojlik, T., Woodbridge, J., Kowalczyk, R., 2019. Adapt or die – response of large herbivores to environmental changes in Europe during the Holocene. *Global Change Biology* 25(9): 2915-2930. <https://doi.org/10.1111/gcb.14733>
- A63. Krajcarz, M.T., Krajcarz, M., Drucker, D.G., **Bocherens, H.**, 2019. Prey-to-fox isotopic enrichment of <sup>34</sup>S in bone collagen: Implications for palaeoecological studies. *Rapid Communications in Mass Spectrometry* 33: 1311-1317. <https://doi.org/10.1002/rcm.8471>
- A64. **Ma, J.**, Wang, Y., Jin, C., Hu, Y., **Bocherens, H.**, 2019. Ecological flexibility and differential survival of Pleistocene *Stegodon orientalis* and *Elephas maximus* in mainland southeast Asia revealed by stable isotope (C, O) analysis. *Quaternary Science Reviews* 212: 33-44. <https://doi.org/10.1016/j.quascirev.2019.03.021>
- A65. Rey-Iglesia, A., García-Vázquez, A., Treadaway, E.C., van der Plicht, J., Baryshnikov, G.F., Szpak, P., **Bocherens, H.**, Boeskorov, G.G., Lorenzen, E.D., 2019. Evolutionary history and palaeoecology of Brown bear in North-East Siberia re-examined using ancient DNA and stable isotopes from skeletal remains. *Scientific Reports* 9 : 4462. <https://doi.org/10.1038/s41598-019-40168-7>
- A66. Smith, O., Dunshea, G.J., Sinding, M.H.S., Fedorov, S., Germonpre, M., **Bocherens, H.**, Gilbert, M.T.P., 2019. Shotgun sequencing of ancient RNA from late Pleistocene and historical canids shows tissue-specific transcriptome survival. *PLOS Biology* 17(7): e3000166. <https://doi.org/10.1371/journal.pbio.3000166>
- A67. Strani, F., Pushkina, D., **Bocherens, H.**, Bellucci, L., Sardella, R., DeMiguel, D., 2019. Dietary adaptations of Early and Middle Pleistocene fossil equids from the Agnani basin (Frosinone, central Italy). *Frontiers in Ecology and Evolution* 7: article 176 <https://doi.org/10.3389/fevo.2019.00176>
- A68. Suraprasit, K., Jongautchariyakul, S., Yamee, C., Pothichaiya, C., **Bocherens, H.**, 2019. New fossil and isotope evidence for the Pleistocene zoogeographic transition and hypothesized savanna corridor in Peninsular Thailand. *Quaternary Science Reviews* 221: 105861. <https://doi.org/10.1016/j.quascirev.2019.105861>

- A69. Terlato, G., **Bocherens, H.**, Romandini, M., Nannini, N., Hobson, K.A., Peresani, M., 2019. Chronological and isotopic data support a revision for the timing of cave bear extinction in Mediterranean Europe. *Historical Biology* 31: 474-484. <https://doi.org/10.1080/08912963.2018.1448395>
- A70. Wißing, C., Rougier, H., Baumann, C., Comeyne, A., Crevecoeur, I., Drucker, D.G., Gaudzinski-Windheuser, S., Germonpré, M., Gómez-Olivencia, A., Krause, J., Matthies, T., Naito, Y.I., Posth, C., Semal, P., Street, M., **Bocherens, H.**, 2019. Stable isotopes reveal patterns of diet and mobility in last Neandertals and first modern humans in Europe. *Scientific Reports* 9:4433. <https://doi.org/10.1038/s41598-019-41033-3>

## 2018

- A71. Aranda Jiménez, G., Lozano Medina, Á., Sánchez Romero, M., Diaz-Zorita Bonilla, M., **Bocherens, H.**, 2018. The chronology of the Megalithic funerary practices in South-Eastern Iberia: The necropolis of Panoria (Granada, Spain). *Radiocarbon* 60(1): 1-19. <https://doi.org/10.1017/RDC.2017.96>
- A72. Beck, J., Díaz-Zorita Bonilla, M., **Bocherens, H.**, Diaz-del-Rio, P., 2018. Feeding a third millennium BC mega-site: Bioarchaeological analyses of palaeodiet and dental disease at Marroquíes (Jaén, Spain). *Journal of Anthropological Archaeology* 52: 23-43. <https://doi.org/10.1016/j.jaa.2018.07.001>
- A73. **Bocherens, H.**, 2018. The rise of the anthroposphere since 50,000 years: an ecological replacement of megaherbivores by humans in terrestrial ecosystems? *Frontiers in Ecology and Evolution* 6:3. <https://doi.org/10.3389/fevo.2018.00003>
- A74. **Bocherens, H.**, Cotte, M., Bonini, R., Straccia, P., Scian, D., Soibelzon, L., Prevosti, F.J., 2018. Reply to “Comment on “Isotopic insight on paleodiet of extinct Pleistocene megafaunal xenarthrans from Argentina (Gondwana Research 48: 7-14).” *Gondwana Research* 58: 243-245. <https://doi.org/10.1016/j.gr.2018.03.003>
- A75. Chala-Aldana, D., **Bocherens, H.**, Miller, C., Moore, K., Hodgins, G., Rademaker, K., 2018. Mobility and highland occupation strategies during the Early Holocene at the Cuncaicha rock shelter through Strontium and Oxygen Isotopes. *Journal of Archaeological Sciences: Reports* 19: 811-827. <https://doi.org/10.1016/j.jasrep.2017.10.023>
- A76. Cotte, M., Prevosti, F.J., Hajdas, I., Scian, D., Straccia, P., Soibelzon, L., **Bocherens, H.**, 2018. First AMS radiocarbon direct dates on bones from extinct megafauna in Camet Norte (Santa Clara del Mar, Buenos Aires Province, Argentina). *Ameghiniana* 55(1): 126-133. <https://doi.org/10.5710/AMGH.31.03.2017.3072>
- A77. Diaz-Zorita Bonilla, M., Beck, J., **Bocherens, H.**, Díaz-del-Río, P., 2018. Isotopic evidence for human mobility at the Copper Age mega-site of Marroquíes Bajos (Jaén, Spain). *Antiquity* 92(364): 991-1007 <https://doi.org/10.15184/aqy.2018.33>
- A78. Drucker, D.G., Stevens, R.E., Germonpré, M., Sablin, M.V., Péan, S., **Bocherens, H.**, 2018. Collagen stable isotopes provide insights into the end of the mammoth steppe in the central East European plains during the Epigravettian. *Quaternary Research* 90: 457-469. <https://doi.org/10.1017/qua.2018.40>
- A79. Hofman-Kaminska, E., **Bocherens, H.**, Borowik, T., Drucker, D.G., Kowalczyk, R., 2018. Stable isotope signatures of large herbivore foraging habits across Europe. *PLoS ONE* 13(1): e0190723. <https://doi.org/10.1371/journal.pone.0190723>
- A80. Hofman-Kamińska, E., Merceron, G., **Bocherens, H.**, Makowiecki, D., Piličiauskienė, G., Ramdarshan, A., Berlioz, E., Kowalczyk, R., 2018. Foraging habitats and niche partitioning of European large herbivores during the Holocene – insights from 3D dental microwear texture analysis. *Palaeogeography-Palaeoclimatology-Palaeoecology* 506: 183-195 <https://doi.org/10.1016/j.palaeo.2018.05.050>
- A81. Krajcarz, M.T., Krajcarz, M., **Bocherens, H.**, 2018. Collagen-collagen prey-predator isotopic enrichment ( $\Delta^{13}C$ ,  $\Delta^{15}N$ ) in mammals – a case study of a subfossil red fox den. *Palaeogeography, Palaeoclimatology, Palaeoecology* 490: 563-570. <https://doi.org/10.1016/j.palaeo.2017.11.044>
- A82. Mathieson, I., Alpaslan Roodenberg, S., Szécsényi-Nagy, A., Rohland, N., Mallick, S., Broomandkoshbacht, N., Cheronet, O., Fernandes, D., Ferry, M., Gamarra, B., Haak, W., Harney, E., Michel, M., Nägele, K., Novak, M., Olade, I., Oppenheimer, J., Patterson, N., Posth, C., Sirak, K., Stewardson, K., Vai, S., Alexandrov, S., Alt, K.W., Andreescu, R., Ash, A., Atanassova, N., Bacvarov, K., **Bocherens, H.**, Bolus, M., Boroneant, A., Boyadzhiev, Y., Budnik, A., Burmaz, J., Chohadzhiev, S., Conard, N.J., Cottiaux, R., Cupillard, C., Drucker, D., Elenski, N., Francken, M., Galabova, B., Ganetovski, G., Gely, B., Hajdu, T., Harvati, K., Higham, T., Iliev, S., Janković, I., Karvanić, I., Kennett, D.J., Kozak, A., Krause-Kyora, B., Krauß, R., Labuda, D., Lari M., Lazar, C., Leppek, M., Leshtakov, K., Lo Vetro, D., Los, D., Malina, M., Martini, F., McSweeney, K., Mellar, H., Mende, B.G., Menđušić, M., Mirea, P., Moiseyev, V., Papathanasiou, A., Petrova, V., Simalesik A., Sineo, L., Šlaus, M., Slavchev, V., Stanev, P., Szeniczey, T., Talamo, S., Thevenet, C., Valentin, F., Vassiliev, S., Veljanovska, F., Venelinova, S., Veselovskaya, E., Viola, B., Virag, C., Zaninović, J., Zäuner S., Stockhammer, P.W., Catalano, G., Caramelli, D., Zarina, G., Gaydarska, B., Lillie, M., Nikitin, A.G., Potekhina, I., Boric, D., Bonsall, C., Krause, J., Pinhasi, R., Reich, D., 2018. The Genomic History of Southeastern Europe. *Nature* 555: 197-210. <https://doi.org/10.1038/nature25778>
- A83. Naito, Y.I., Chikaraishi, Y., Drucker, D.G., Ohkouchi, N., Semal, P., Wißing, C., **Bocherens, H.**, 2018. Reply to “Comment on “Ecological niche of Neanderthals from Spy Cave revealed by nitrogen isotopes of

- individual amino acids in collagen.” (*Journal of Human Evolution* 93: 82-90.). *Journal of Human Evolution*.117: 56-60. <https://doi.org/10.1016/j.jhevol.2017.05.008>
- A84. Schnitzler, A., Granado, J., Putelat, O., Arbogast, R.-M., Drucker, D.G., Eberhard, A., Schmutz, A., Klafziger, Y., Lang, G., Salzburger, W., Schibler, J., Schlumbaum, A., **Bocherens, H.**, 2018. Genetic diversity, genetic structure and diet of ancient and contemporary red deer (*Cervus elaphus* L.) from north-eastern France. *PLoS ONE* 13(1): e0189278. <https://doi.org/10.1371/journal.pone.0189278>
- A85. **Suraprasit, K., Bocherens, H.,** Chaimanee, Y., Somsak, P., Jaeger, J.-J., 2018. Middle Pleistocene glacial ecology and climate in Northeastern Thailand inferred from the stable isotope analysis of Khok Sung ungulate tooth enamel and the land mammal cenogram. *Quaternary Science Reviews* 193: 24-42. <https://doi.org/10.1016/j.quascirev.2017.06.030>
- 2017**
- A86. **Bocherens, H., Cotte, M.,** Bonini, R., Straccia, P., Scian, D., Soibelzon, L., Prevosti, F.J., 2017. Isotopic insight on paleodiet of extinct Pleistocene megafaunal xenarthrans from Argentina. *Gondwana Research* 48: 7-14 <https://doi.org/10.1016/j.gr.2017.04.003>
- A87. **Bocherens, H.,** Schrenk, F., Chaimanee, Y., Kullmer, O., Mörike, D., **Pushkina, D.,** Jaeger, J.-J., 2017. Flexibility of diet and habitat in Pleistocene South Asian mammals: Implications for the fate of the giant fossil ape *Gigantopithecus*. *Quaternary International* 434: 148-155. <https://doi.org/10.1016/j.quaint.2015.11.059> (In the top 5% of all research outputs scored by Altmetric – 22<sup>nd</sup> April 2016)
- A88. Dantas, M., Cherkinsky, A., **Bocherens, H.,** Drefahl, M., Bernardes, C., França, L.M., 2017. Isotopic palaeoecology of the Pleistocene megamammals from the Brazilian Intertropical Region: Feeding ecology ( $\delta^{13}\text{C}$ ), niche breadth and overlap. *Quaternary Science Reviews* 170: 152-163 <https://doi.org/10.1016/j.quascirev.2017.06.030>
- A89. Drucker, D.G., Naito, Y.I., Péan, S.C., Prat, S., Crépin, L., Patou-Mathis, M., Chikaraishi, Y., Ohkouchi, N., Puaud, S., Láznicková-Galetova, M., Yanevich, A., **Bocherens, H.**, 2017. Isotopic analyses suggest mammoth and plant in the diet of the oldest anatomically modern humans from far southeast Europe. *Scientific Reports* 7: 6833. <https://doi.org/10.1038/s41598-017-07065-3>
- A90. **Fellows Yates, J.A.,** Drucker, D.G., Reiter, E., Heumos, S., Welker, F., Münzel, S.C., Wojtal, P., Láznicková-Galetová, M., Conard, N.J., Herbig, A., **Bocherens, H.,** Krause, J., 2017. Central European woolly mammoth population dynamics: Insights from Late Pleistocene mitochondrial genomes. *Scientific Reports* 7:17714. <https://doi.org/10.1038/s41598-017-17723-1>
- A91. Frouin M., Lahaye C., Mercier N., Guibert P., Vieilleville E., Couchoud I., Texier J.P., Royer A., Costamagno S., Beauval C., Bourguignon L., Meignen L., Bordes, J.-G., Seguin G., **Bocherens H.,** Lacrampe-Cuyaubère F., Grün R., Garralda M.D., Vandermeersch B., Mann A.E., Maureille B., 2017. Les Pradelles (Marillac-le-Franc, Charente) : Synthèse chronologique d’un site Moustérien de type Quina. *Paléo* 28: 117-138.
- A92. Germonpré, M., Láznicková-Galetová, M., Jimenez, E.-L., Losey, R., Sablin, M., **Bocherens, H.,** Van den Broeck, M., 2017. Consumption of canid meat at the Gravettian Předmostí site, Czech Republic. – *Fossil Imprint*, Praha. ISSN 2533-4050 (print), ISSN 2533-4069 (on-line) 73(3-4): 360-382. <https://doi.org/10.1515/ifi-2017-0020>
- A93. Gröcke, D. R., Sauer, P., Bridault, A., Drucker, D.G., Germonpré, M., **Bocherens, H.** 2017. Hydrogen isotopes in Quaternary mammal collagen from Europe. *Journal of Archaeological Science: reports* 11: 12–16. <https://doi.org/10.1016/j.jasrep.2016.11.020>
- A94. **Jürgensen, J.,** Drucker, D.G., Stuart, A., **Schneider, M.,** Buuveibaatar, B., **Bocherens, H.,** 2017. Diet and habitat of the saiga antelope during the late Quaternary using stable carbon and nitrogen isotope ratios. *Quaternary Science Reviews* 160: 150-161. <https://doi.org/10.1016/j.quascirev.2017.01.022>
- A95. Mak, S.S.T., Gopalakrishnan, S., Carøe, C., Gengm C., Liu, S., Sinding, M.-H. S., Kuderna, L.F.K., Zhang, W., Fu, S., Vieira, F.G., Germonpré, M., **Bocherens, H.,** Fedorov, S., Petersen, B., Sicheritz-Ponten, T., Marques-Bonet, T., Zhang, G., Jiang, H., Gilbert, M.T.P., 2017. Comparative performance of the BGISEQ-500 versus Illumina HiSeq2500 sequencing platforms for palaeogenomic sequencing. *Gigascience* 6: 1-13. <https://doi.org/10.1093/gigascience/gix049>
- A96. Posth, C., **Wißing, C.,** Kitagawa, K., Pagani, L., Racimo, F., van Holstein, L., Wehrberger, K., Conard, N.J., Kind, C.J., **Bocherens, H.,** Krause, J., 2017. Deeply divergent archaic mitochondrial genome provides lower time boundary for African gene flow into Neandertals. *Nature Communications* 8: 16046. <https://doi.org/10.1038/ncomms16046>
- A97. **Trautmann, B.,** Diaz-Zorita Bonilla, M., **Wißing, C.,** Bis-Woch, C., **Bocherens, H.,** 2017. Reconstruction of socioeconomic status in the Medieval (14<sup>th</sup>-15<sup>th</sup> century) population of Grevenmacher (Luxembourg) based on growth, development and diet. *International Journal of Osteoarchaeology* 27: 947-957. <https://doi.org/10.1002/oa.2606>

2016

- A98. **Bocherens, H., Cotte, M.,** Bonini, R., Scian, D., Straccia, P., Soibelzon, L., Prevosti, F.J., 2016. Paleobiology of sabretooth cat *Smilodon populator* in the Pampean Region (Buenos Aires Province, Argentina) around the Last Glacial Maximum: Insights from carbon and nitrogen stable isotopes in bone collagen. *Palaeogeography, Palaeoclimatology, Palaeoecology* 449: 463–474. <https://10.1016/j.palaeo.2016.02.017> (12<sup>th</sup> most downloaded article in this journal in the last 90 days, 5<sup>th</sup> May 2016)
- A99. **Bocherens, H.,** Díaz-Zorita Bonilla, M., Moncel, M.-H., Daujeard, C., Raynal, J.-P., 2016. Direct isotopic evidence for subsistence adaptability in middle Pleistocene Neandertals (Payre, southeastern France). *Quaternary Science Reviews* 154: 226-236. <https://10.1016/j.quascirev.2016.11.004> (in the top 5% of all research scores by altimetric – March 2017, April 2017)
- A100. **Bocherens, H.,** Drucker, D.G., Haidle, M., Müller-Beck, H., Münzel, S.C., Naito, Y.I., 2016. Isotopic evidence (C, N, S) for a high aquatic (freshwater and marine) dietary contribution for a pre-Dorset muskox hunter from Umingmak (Banks Island, Canada). *Journal of Archaeological Science: Reports* 6: 700-708. <https://10.1016/j.jasrep.2015.08.021>
- A101. Díaz-Zorita Bonilla, M., Drucker, D.G., Richardin, P., Silva Pinto, V., Sepulveda, M., **Bocherens, H.,** 2016. Isotopic evidence (C, N, S) for importance of marine food consumption in northern Chilean mummies during the Formative Period. *Journal of Archaeological Science: Reports* 6: 768-776. <https://10.1016/j.jasrep.2016.01.026>
- A102. Drucker, D.G., Rosendahl, W., Neer, W.V., Weber, M.-J., Görner, I., **Bocherens, H.,** 2016. Stable carbon and nitrogen isotope analysis of the human of Rhünda (Germany): evidence of intense consumption of aquatic resources in NW Europe during the Younger Dryas. *Journal of Archaeological Science: Reports* 6: 690-699. <https://10.1016/j.jasrep.2015.08.002>
- A103. Fu, Q., Posth, C., Hajdinjak, M., Petr, M., Mallick, S., Fernandes, D., Furtwängler, A., Haak, W., Meyer, M., Mittnik, A., Nickel, B., Peltzer, A., Rohland, N., Slon, V., Talamo, S., Lazaridis, I., Lipson, M., Mathieson, I., Schiffels, S., Skoglund, P., Derevianko, A.P., Drozdov, N., Slavinsky, V., Tsybankov, A., Grifoni Cremonesi, R., Mallegni, F., Gély, B., Vacca, E., González Morales, M.R., Straus, L.G., Neugebauer-Maresch, C., Teschler-Nicola, M., Constantin, S., Moldovan, O.T., Benazzi, S., Peresani, M., Coppola, D., Lari, M., Ricci, S., Ronchitelli, A., Valentin, F., Thevenet, C., Wehrberger, K., Grigorescu, D., Rougier, H., Crevecoeur, I., Flas, D., Semal, P., Mannino, M.A., Cupillard, C., **Bocherens, H.,** Conard, N.J., Harvati, K., Moiseyev, V., Drucker, D.G., Svoboda, J., Richards, M.P., Caramelli, D., Pinhasi, Kelso, Patterson, N., Krause, J., Pääbo, S., Reich, D., 2016. The genetic history of Ice Age Europe. *Nature* 534: 200-205. <https://10.1038/nature17993>
- A104. Koehler, H., Wegmüller, F., Detrey, J., Diemer, S., Hauck, T., Pümpin, C., Sévèque, N., Stoetzel, E., Wuscher, P., Auguste, P., **Bocherens, H.,** Lutz, M., Preusser, F., 2016. Fouilles de plusieurs occupations du Paléolithique moyen à Mutzig Rain (Alsace): Premiers résultats. *Bulletin de la Société Préhistorique française* 113: 429-474.
- A105. Krajcarz, M., Pacher, M., Krajcarz, M.T., Laughlan, L., Rabeder, G., Sabol, M., Wojtal, P., **Bocherens, H.,** 2016. Isotopic variability of cave bears ( $\delta^{15}\text{N}$ ,  $\delta^{13}\text{C}$ ) across Europe during MIS 3. *Quaternary Science Reviews* 131: 51-72. <https://10.1016/j.quascirev.2015.10.028>
- A106. Naito, Y.I., **Bocherens, H.,** Chikaraishi, Y., Drucker, D.G., **Wißing, C.,** Yoneda, M., Ohkouchi, N., 2016. An overview of methods used for the detection of aquatic resource consumption by humans: Compound-specific delta N-15 analysis of amino acids in archaeological materials. *Journal of Archaeological Science: Reports* 6: 720-732. <https://10.1016/j.jasrep.2015.11.025>
- A107. Naito, Y.I., Drucker, D.G., Chikaraishi, Y., Ohkouchi, N., **Wißing, C.,** Semal, P., **Bocherens, H.,** 2016. Ecological niche of Neanderthals from Spy Cave revealed by nitrogen isotopes of individual amino acids in collagen. *Journal of Human Evolution* 93: 82-90. <https://10.1016/j.jhevol.2016.01.009>
- A108. Naito, Y.I., Germonpré, M., Chikaraishi, Y., Ohkouchi, N., Drucker, D.G., Hobson, K.A., Edwards, M.A., **Wißing, C., Bocherens, H.,** 2016. Evidence for herbivorous cave bears (*Ursus spelaeus*) in Goyet Cave, Belgium: Implications for paleodietary reconstruction of fossil bears using amino acid  $\delta^{15}\text{N}$  approaches. *Journal of Quaternary Science* 31: 598-606. <https://10.1002/jqs.2883>
- A109. Pleurdeau, D., Moncel, M.-H., Pinhasi, R., Yeshurun, R., Higham, T., Agapishvili, T., Bokeria, M., Mushkelishvili, A., Le Bourdonnec, F.-X., Nomade, S., Poupeau, G., **Bocherens, H.,** Frouin, M., Genty, D., Pierre, M., Pons-Branchi, E., Lordkipanidze, D., Tushabramishvili, N., 2016. Bondi Cave and the Middle-Upper Palaeolithic transition in western Georgia (South Caucasus). *Quaternary Science Reviews* 146: 77-98. <https://10.1016/j.quascirev.2016.06.003>
- A110. Polet, C., **Bocherens, H.,** 2016. New insights into the marine contribution to ancient Easter Islanders' diet. *Journal of Archaeological Science: Reports* 6: 709-719. <https://10.1016/j.jasrep.2015.09.013>
- A111. Posth, C., Renaud, G., Mittnik, A., Drucker, D.G., Rougier, H., Cupillard, C., Valentin, F., Thevenet, C., Furtwängler, A., **Wißing, C.,** Franken, M., Malina, M., Bolus, M., Lari, M., Gigli, E., Capecchi, G., Crevecoeur, I., Beauval, Flas, D., Germonpré, M., van der Plicht, J., Cottiaux, R., Gély, B., Ronchitelli, A., Wehrberger, K., Grigorescu, D., Svoboda, J., Semal, Caramelli, D., **Bocherens, H.,** Harvati, K., Conard,



- N.J., Haak, W., Powell, A., Krause, J., 2016. Pleistocene human mitochondrial genomes suggest late dispersal of non-Africans and a Late Glacial population turnover in Europe. *Current Biology* 26: 827–833. <https://10.1016/j.cub.2016.01.037>
- A112. Quiles, A., Valladas, H., **Bocherens, H.**, Delqué-Količ, E., Kaltnecker, E., van der Plicht, J., Delannoy, J.-J., Feruglio, V., Fritz, C., Monney, J., Philippe, M., Tosello, G., Clottes, J., Geneste, J.-M., 2016. A high-precision chronological model for the decorated Upper Palaeolithic cave of Chauvet-Pont d'Arc Cave, Ardèche, France. *PNAS* 113(7): 4670–4675. <https://10.1073/pnas.1523158113>
- A113. Rawlence, N.J., Wood, J.R., **Bocherens, H.**, Rogers, K.M., 2016. Dietary interpretations for extinct megafauna using coprolites, intestinal content and stable isotopes: complimentary or contradictory? *Quaternary Science Reviews* 142: 173–178. <https://10.1016/j.quascirev.2016.05.017>
- A114. Rougier, H., Crevecoeur, I., Beauval, C., Posth, C., Flas, D., **Wißing, C.**, Furtwängler, A., Germonpré, M., Gómez-Olivencia, A., Semal, P., van der Plicht, J., **Bocherens, H.**, Krause, J., 2016. Neandertal cannibalism at the “Troisième caverne” of Goyet (Belgium). *Scientific Reports* 6: 29005. <https://10.1038/srep29005> (one of the top 100 read *Scientific Reports* articles in 2016)
- A115. **Wißing, C.**, Rougier, H., Crevecoeur, I., Germonpré, M., Naito Y.I., Semal, P., **Bocherens, H.**, 2016. Isotopic evidence for dietary ecology of Neandertals in North-Western Europe. *Quaternary International* 411: 327–345. <https://10.1016/j.quaint.2015.09.091> (most downloaded article in this journal in the last 90 days, 22<sup>nd</sup> April 2016)

## 2015

- A116. **Bocherens, H.**, 2015. Isotopic tracking of large carnivore palaeoecology in the mammoth steppe. *Quaternary Science Reviews* 117: 42–71. <https://10.1016/j.quascirev.2015.03.018>
- A117. **Bocherens, H.**, Drucker, D.G., Germonpré, M., Lázníčková-Galetová, M., Naito, Y., **Wißing, C.**, Brůžek, J., Oliva, M., 2015. Reconstruction of the Gravettian food-web at Předmostí I using isotopic tracking of bone collagen. *Quaternary International* 359–360: 211–228. <https://doi.org/10.1016/j.quaint.2014.09.044> (referenced in “the year 2014 in archaeology” of BBC News, 1<sup>st</sup> rated article in altmetrics for *Quat. Int.* in the last 6 months– January 7<sup>th</sup> 2015, 2<sup>nd</sup> most downloaded article of *Quat. Int.* in 90 days – January 7<sup>th</sup> 2015; one of the highest ever scores in *Quat. Int.* (ranked #4 of 464) – December 29<sup>th</sup> 2014)
- A118. **Bocherens, H.**, **Hofman-Kamińska, E.**, Drucker, D.G., Schmöcke, U., Kowalczyk, R., 2015. European bison as a refugee species? Evidence from isotopic data on Early Holocene bison and other large herbivores in northern Europe. *Plos One* 10(2): e0115090. <https://doi.org/10.1371/journal.pone.0115090> (among the top 10% most cited *PLOS ONE* papers published in 2015 – 20<sup>th</sup> November 2019)
- A119. Cupillard, C., Magny, M., **Bocherens, H.**, Bridault, A., Bégeot, C., Bichet, V., Bossuet, G., Drucker, D., Gauthier, E., Jouannic, G., Millet, L., Richard, H., Rius, D., Ruffaldi, P., Walter-Simonnet, A.-V., 2015. Ecosystem and human responses to palaeoclimate changes in the Jura Mountains between 40 and 8 ka cal BP. *Quaternary International* 378: 40–72. <https://10.1016/j.quaint.2014.05.032>
- A120. Drucker, D.G., Vercoutère, C., Chiotti, L., Nespoulet, R., Crépin, L., Conard, N.J., Münzel, S.C., Higham, T., van der Plicht, J., Lázníčková-Galetová, M., **Bocherens, H.**, 2015. Tracking possible decline of woolly mammoth during the Gravettian in the Dordogne and the Swabian Jura using multi-isotope tracking (<sup>13</sup>C, <sup>14</sup>C, <sup>15</sup>N, <sup>34</sup>S, <sup>18</sup>O). *Quaternary International* 359–360: 304–317. <https://10.1016/j.quaint.2014.11.028> (amongst the highest ever scores in *Quat. Int.* (ranked #47 of 464) – December 18<sup>th</sup> 2014; 7<sup>th</sup> most downloaded article of *Quat. Int.* in 90 days – March 2<sup>nd</sup> 2015)
- A121. **Julien, M.-A.**, Rivals, F., van Kolfschoten, T., Serangeli, J., **Bocherens, H.**, Conard, N. J., 2015. A new approach for deciphering between single and multiple accumulation events using intra-tooth isotopic variations: Application to the Middle Pleistocene bone bed of Schöningen 13 II-4. *Journal of Human Evolution* 89: 114–128. <https://10.1016/j.jhevol.2015.02.012>
- A122. **Kuitemans, M.**, van der Plicht, J., Drucker, D.G., van Kolfschoften, T., Palstra, S.W.L., **Bocherens, H.**, 2015. Palaeoecological implications of C and N stable isotopes of well-preserved bone collagen from Schöningen, Germany. *Journal of Human Evolution* 89: 105–113. <https://10.1016/j.jhevol.2015.01.008>
- A123. Rivals, F., **Julien, M.-A.**, van Kolfschoten, T. v., Serangeli, J., **Bocherens, H.**, Drucker, D.G., Conard, N. J., 2015. Investigation of the horse paleodiet from Schöningen 13 II-4 through dental wear and isotopic analyses and its archaeological implications. *Journal of Human Evolution* 89: 129–137. <https://10.1016/j.jhevol.2014.04.002>
- A124. **Wißing, C.**, Matzerath, S., Turner, E., **Bocherens, H.**, 2015. Paleoecological and climatic implications of stable isotope results from late Pleistocene bone collagen, Ziegeleigrube Coenen, Germany. *Quaternary Research* 84: 96–105. <https://10.1016/j.yqres.2015.05.005>

## 2014

- A125. **Aiglstorfer, M.**, **Bocherens, H.**, Böhme, M., 2014. Large Mammal Ecology in the late Middle Miocene locality Gratkorn (Austria). *Palaeobiodiversity and Palaeoenvironments* 94: 189–213. <https://10.1007/s12549-013-0145-5>

- A126. **Bocherens, H.**, Baryshnikov, G., van Neer, W., 2014. Were bears or lions involved in salmon accumulation in the Middle Palaeolithic of the Caucasus? An isotopic investigation in Kudaro 3. *Quaternary International* 339-340: 112-118. <https://10.1016/j.quaint.2013.06.026> (1<sup>st</sup> most downloaded article of *Quat. Int.* July-Sept. 2013, 4<sup>th</sup> most downloaded article of *Quat. Int.* in 2013)
- A127. **Bocherens, H.**, Bridault, A., Drucker, D.G., Hofreiter, M., Münzel, S.C., Stiller, M., van der Plicht, J., 2014. The last of its kind? Radiocarbon, ancient DNA and stable isotope evidence from a late cave bear from Rochedane (France). *Quaternary International* 339-340: 179-188. <https://10.1016/j.quaint.2013.05.021>
- A128. **Bocherens, H.**, Drucker, D.G., Madelaine, S., 2014. Evidence for a <sup>15</sup>N positive excursion in terrestrial foodwebs at the middle to upper Palaeolithic transition in South-western France: implication for early modern human palaeodiet and palaeoenvironment. *Journal of Human Evolution* 69: 31-43. <https://10.1016/j.jhevol.2013.12.015> (15<sup>th</sup> most downloaded article of *J. Hum. Evol.* in Jan.-March 2014, 13<sup>th</sup> most downloaded article of *J. Hum. Evol.* in April-June 2014)
- A129. **Bocherens, H.**, Grandal-d'Anglade, A., Hobson, K.A., 2014. Pitfalls in comparing modern hair and fossil bone collagen C and N isotopic data to reconstruct ancient diets: a case study with cave bears (*Ursus spelaeus*). *Isotopes in Health and Environmental Sciences* 50(3): 291-299. <https://1080/10256016.2014.890193>
- A130. Drucker, D.G., **Bocherens, H.**, Péan, S., 2014. Isotopes stables (<sup>13</sup>C, <sup>15</sup>N) du collagène des mammouths de Mezhyrich: implications paléocéologiques. *L'Anthropologie* 118(5): 518-537. <https://10.1016/j.anthro.2014.04.001> (19<sup>th</sup> most downloaded article of *L'Anthropologie* in June-Aug. 2015)
- A131. França, L., Dantas, M., Bocchiglieri, A., Cherckinsky, A., Ribeiro, A., **Bocherens, H.**, 2014. Chronology and ancient feeding ecology of two Upper Pleistocene megamammals from the Brazilian Intertropical Region. *Quaternary Science Reviews* 99: 78-83. <https://10.1016/j.quascirev.2014.04.028>
- A132. **Mahboubi, S.**, **Bocherens, H.**, **Scheffler, M.**, Benammi, M., Jaeger, J.-J., 2014. Was Early Eocene proboscidean *Numidotherium koholense* semi-aquatic or terrestrial? The answers from stable isotopes and bone histology analysis. *Comptes Rendus Palevol* 13: 501-509. <https://10.1016/j.crpv.2014.01.002> (7<sup>th</sup> most downloaded article of *CR Palevol.* July-Sept. 2014)
- A133. Münzel, M.C., Rivals, F., Pacher, M., Döppes, D., Rabeder, G., Conard, N.J., Drucker, D.G., **Bocherens, H.**, 2014. Behavioural ecology of Late Pleistocene cave bears (*Ursus spelaeus*, *U. ingressus*): insights from stable isotopes (C, N, O) and tooth microwear. *Quaternary International* 339-340: 148-163. <https://10.1016/j.quaint.2013.10.020> (23<sup>rd</sup> most downloaded article of *Quat. Int.* July-Sept. 2014)
- A134. **Pushkina, D.**, **Bocherens, H.**, Ziegler, R., 2014. Unexpected palaeoecological features of the middle and late Pleistocene large herbivores in south-western Germany revealed by stable isotopic abundances in tooth enamel. *Quaternary International* 339-340: 164-178. <https://10.1016/j.quaint.2013.12.033> (22<sup>nd</sup> most downloaded article of *Quat. Int.* July-Sept. 2014)
- A135. Soibelzon, L.H., Grinspan, G.A., **Bocherens, H.**, Acosta, W.G., Jones, W.W., Blanco, R.E., Prevosti, F.J., 2014. South American giant short-faced bear (*Arctotherium angustidens*) diet: evidence from pathology, morphology, stable isotopes and biomechanics. *Journal of Palaeontology* 88(6): 1240-1250. <http://dx.doi.org/10.1666/13-143>
- A136. Stiller, M., Molak, M., Prost, S., Rohland, N., Pacher, M., Rabeder, G., Baryshnikov, G., Rosendahl, W., S., Münzel, **Bocherens, H.**, Grandal-d'Anglade, A., Hilpert, B., Germonpré, M., Stasyk, O., Pinhasi, R., Tintori, A., Ho, S. Y. W., Hofreiter, M., Knapp, M., 2014. Mitochondrial DNA diversity and evolution of the Pleistocene cave bear complex. *Quaternary International* 339-340: 224-231. <https://10.1016/j.quaint.2013.09.023> (11<sup>th</sup> most downloaded article of *Quat. Int.* July-Sept. 2014)
- A137. **Suraprasit, K.**, Chaimanee, Y., **Bocherens, H.**, Chavasseau, O., Jaeger, J.-J., 2014. Middle Miocene Cervidae (systematics and phylogeny) and paleoenvironmental implications of Mae Moh basin by using the stable isotope analysis of the herbivore tooth enamel. *Journal of Vertebrate Paleontology* 34(1): 179-194. <http://dx.doi.org/10.1080/02724634.2013.789038>
- 2013**
- A138. Bibi, F., **Souron, A.**, **Bocherens, H.**, Uno, K., Boisserie, J.R., 2013. Ecological Change in the Lower Omo Valley around 2.8 Ma. *Biology Letters* 9(1): 20120890. <https://doi.org/10.1098/rsbl.2012.0890>
- A139. **Ecker, M.**, **Bocherens, H.**, **Julien, M.-A.**, Rivals, F., Raynal, J.-P., Moncel, M.-H., 2013. Middle Pleistocene ecology and Neanderthal subsistence: Insights from stable isotope analyses in Payre (Ardèche, France). *Journal of Human Evolution* 65: 363-373. <https://doi.org/10.1016/j.jhevol.2013.06.013> (17<sup>th</sup> most downloaded article of *J. Hum. Evol.* in July-Sept. 2013, 22<sup>th</sup> most downloaded article of *J. Hum. Evol.* in Oct.-Dec. 2013)
- A140. Naito, Y.I., Chikaraishi, Y., Ohkouchi, N., Drucker, D.G., **Bocherens, H.**, 2013. Nitrogen isotopic composition of collagen amino acids as a measure of human trophic position and aquatic resource consumption: insights from Mesolithic and Epipalaeolithic archaeological sites in France. *World Archaeology* 45(3): 338-359. <https://doi.org/10.1080/00438243.2013.820650>

- A141. Yeakel, J.D., Guimarães P.R. Jr., **Bocherens, H.**, Koch, P.L., 2013. The impact of climate change on the structure of Pleistocene food webs across the mammoth steppe. *Proceedings of the Royal Society B: Biological Sciences* 280: 20130239. <https://doi.org/10.1098/rspb.2013.0239>

## 2012

- A142. Julien, M.-A., **Bocherens, H.**, Burke, A., Drucker, D.G., Patou-Mathis, M., Krotova, A., Péan, S., 2012. Were European steppe bison migratory?  $^{18}\text{O}$ ,  $^{13}\text{C}$  and Sr intra-tooth isotopic variations applied to a paleoethological reconstruction. *Quaternary International* 271: 106-119. <https://doi.org/10.1016/j.quaint.2012.06.011> (14<sup>th</sup> most downloaded article of *Quat. Int.* July-Sept. 2012)

## 2011

- A143. **Bocherens, H.**, Drucker, D.G., Bonjean, D., Bridault, A., Conard, N.J., Cupillard, C., Germonpré, M., Höneisen, M., Münzel, S.C., Napierala, H., Patou-Mathis, M., Stephan, E., Uerpman, H.-P., Ziegler, R. 2011. Isotopic evidence for dietary ecology of cave lion (*Panthera spelaea*) in North-western Europe: prey choice, competition and implications for extinction. *Quaternary International* 245: 249-261. <https://doi.org/10.1016/j.quaint.2011.02.023> (4<sup>th</sup> most downloaded article of *Quat. Int.* Oct.-Dec. 2011; 21<sup>st</sup> most cited article of *Quat. Int.* since 2010; 12<sup>th</sup> most cited article of *Quat. Int.* since 2011 in April 2016)
- A144. **Bocherens, H.**, Drucker, D.G., Taubald, H., 2011. Preservation of bone collagen sulphur isotopic compositions in an early Holocene river-bank archaeological site. *Palaeogeography, Palaeoclimatology, Palaeoecology* 310: 32-38. <https://doi.org/10.1016/j.palaeo.2011.05.016>
- A145. **Bocherens, H.**, Pacher, M. 2011. Late Quaternary mammal ecology: insight from new approaches. *Quaternary International* 245: 183-185. <https://doi.org/10.1016/j.quaint.2011.07.030>
- A146. **Bocherens, H.**, Sandrock, O., Kullmer, O., Schrenk, F. 2011. Hominin palaeoecology in Late Pliocene Malawi: Insights from isotopes ( $^{13}\text{C}$ ,  $^{18}\text{O}$ ) in mammal teeth. *South African Journal of Science* 107(3/4): 95-100. <https://doi.org/10.4102/sajs.v107i3/4.331>
- A147. **Bocherens, H.**, Stiller, M., Hobson, K.A., Pacher, M., Rabeder, G., Burns, J.A., Tütken, T., Hofreiter, M. 2011. Niche partitioning between two sympatric genetically distinct cave bears (*Ursus spelaeus* and *Ursus ingressus*) and brown bear (*Ursus arctos*) from Austria: isotopic evidence from fossil bones. *Quaternary International* 245: 238-248. <https://doi.org/10.1016/j.quaint.2010.12.020>
- A148. Drucker, D.G., Bridault, A., Cupillard, C., Hujic, A., **Bocherens, H.**, 2011. Evolution of habitat and environment of red deer (*Cervus elaphus*) during the Late-glacial and early Holocene in eastern France (French Jura and the western Alps) using multi-isotope analysis ( $\delta^{13}\text{C}$ ,  $\delta^{15}\text{N}$ ,  $\delta^{18}\text{O}$ ,  $\delta^{34}\text{S}$ ) of archaeological remains. *Quaternary International* 245: 268-278. <https://doi.org/10.1016/j.quaint.2011.07.019>
- A149. Jaeger, J.-J., Soe, A. N., Chavasseau, O., Coster, P., Emonet, E.-G., Guy, F., Lebrun, R., Maung, A., Khyaw, A. A., Shwe, H., Tun, S. T., Linn Oo, K., Rugbumrung, M. **Bocherens, H.**, Chaivanich, K., Tafforeau, P., Chaimanee, Y. 2011. First hominoid from the Late Miocene of the Irrawaddy Formation (Myanmar). *PLOS ONE* 6(4): e17065. <https://doi.org/10.1371/journal.pone.0017065>
- A150. Münzel, S.C., Hofreiter, M., Stiller, M., Mitnik, A., Conard, N.J., **Bocherens, H.**, 2011. Pleistocene bears in the Swabian Jura (Germany): genetic replacement, ecological displacement, extinctions and survival. *Quaternary International* 245: 225-237. <https://doi.org/10.1016/j.quaint.2011.03.060>

## 2010

- A151. Pushkina, D., **Bocherens, H.**, Chaimanee, Y., Jaeger, J-J. 2010. First dietary and paleoenvironmental reconstructions from the late Middle Pleistocene Snake cave in northeastern Thailand using stable carbon isotopes. *Naturwissenschaften* 97: 299-309. <https://doi.org/10.1007/s00114-009-0642-6>
- A152. Stiller, M., Baryshnikov, G., **Bocherens, H.**, Grandal d'Anglade, A., Hilpert, B., Münzel, S.C., Pinhasi, R., Rabeder, G., Rosendahl, W., Trinkaus, E., Hofreiter, M., Knapp, M. 2010. Withering away – 25,000 years of genetic decline preceded cave bear extinction. *Molecular Biology and Evolution* 27(5): 975-978. <https://doi.org/10.1093/molbev/msq083>

## 2009

- A153. **Bocherens, H.** 2009. Dental microwear of cave bears: the missing temperate/boreal vegetarian “carnivore”. *PNAS* 106(48), <https://doi.org/10.1073/pnas.0910368106>
- A154. **Bocherens, H.** 2009. Possible freshwater resource consumption by the earliest directly dated European modern humans: Implications for direct radiometric dating. *PNAS* 106(41), <https://doi.org/10.1073/pnas.0909392106>
- A155. **Bocherens, H.**, Jacques, L., Ogle, N., Moussa, I., Kalin, R., Vignaud, P., Brunet, M. 2009. Reply to the comment by A. Zazzo, W.P Patterson and T.C. Prokopiuk on “Implications of diagenesis for the isotopic analysis of Upper Miocene large mammalian herbivore tooth enamel from Chad” By Jacques et al. (2008).

- Palaeogeography, Palaeoclimatology, Palaeoecology* 266, 200-210." *Palaeogeography, Palaeoclimatology, Palaeoecology* 277: 269-271 <https://doi.org/10.1016/j.palaeo.2009.02.003>
- A156. Drucker, D.G., Bridault, A., Iacumin, P., **Bocherens, H.** 2009. Bone stable isotopic signatures ( $^{15}\text{N}$ ,  $^{18}\text{O}$ ) as tracer of temperature variation in Lateglacial and early Holocene: case study of red deer from Rochedane site in French Jura. *Geological Journal* 44: 593–604. <https://doi.org/10.1002/gj.1170>
- A157. Semal, P., Rougier, H., Crevecoeur, I., Jungels, C., Flas, D., Hauzeur, A., Maureille, B., Germonpré, M., **Bocherens, H.**, Pirson, S., Cammaert, L., De Clerck, N., Hambuchen, A., Higham, T., Toussaint, M., van der Plicht, J. 2009. New data on the Late Neandertals: direct dating of the Belgian Spy fossils. *American Journal of Physical Anthropology* 138: 421-428. <https://doi.org/10.1002/ajpa.20954>
- A158. Tillier, A.-M., Mester, Z., **Bocherens, H.**, Henry-Gambier, D., Pap, I. 2009. Direct dating of the "Gravettian" Balla child skeleton from Bükk Mountains (Hungary). Unexpected results. *Journal of Human Evolution* 56: 209-212. <https://doi.org/10.1016/j.jhevol.2008.09.005>
- 2008**
- A159. **Bocherens, H.**, Drucker, D. G., Billiou, D., Geneste, J.-M., Kervazo, B. 2008. Grotte Chauvet (Ardèche, France): a "natural experiment" for bone diagenesis in karstic context. *Palaeogeography, Palaeoclimatology, Palaeoecology* 266: 220-226.: <https://doi.org/10.1016/j.palaeo.2008.03.023> .
- A160. Drucker, D. G., Bridault, A., Hobson, K. A., Szuma, E., **Bocherens, H.** 2008. Can carbon-13 abundances in large herbivores track canopy effect in temperate and boreal ecosystems? Evidence from modern and ancient ungulates. *Palaeogeography, Palaeoclimatology, Palaeoecology* 266: 69-82. <https://doi.org/10.1016/j.palaeo.2008.03.020>
- A161. Jacques, L., Ogle, N., Moussa, I., Kalin, R., Vignaud, P., Brunet, M. & **Bocherens, H.** 2008. Implications of diagenesis for the isotopic analysis of Upper Miocene large mammalian herbivore tooth enamel from Chad. *Palaeogeography, Palaeoclimatology, Palaeoecology* 266: 200-210. <https://doi.org/10.1016/j.palaeo.2008.03.040>
- A162. Schulting, R., Blockey, S., **Bocherens, H.**, Drucker, D., Richards, M. 2008. Stable carbon and nitrogen isotope analysis on human remains from the Early Mesolithic site of La Vergne (Charente-Maritime, France). *Journal of Archaeological Science* 35: 763-772. <https://doi.org/10.1016/j.jas.2007.06.008> (14<sup>th</sup> most downloaded article of *J. Arch. Sci.* in Jan-March 2008)
- 2007**
- A163. **Bocherens, H.**, Polet, C., Toussaint, M. 2007. Palaeodiet of Mesolithic and Neolithic populations of Meuse Basin (Belgium): Evidence from stable isotopes. *Journal of Archaeological Science* 34: 10-27. <https://doi.org/10.1016/j.jas.2006.03.009> (3<sup>rd</sup> most downloaded article of *J. Arch. Sci.* in Oct.-Dec. 2006)
- 2006**
- A164. **Bocherens, H.** & Drucker, D. G. 2006. Isotope evidence for palaeodiet of Late Upper Palaeolithic humans in Great-Britain: a response to Richards et al. (2005). *Journal of Human Evolution* 51: 440-442. <https://doi.org/10.1016/j.jhevol.2005.12.014>
- A165. **Bocherens, H.**, Drucker, D. G., Billiou, D., Geneste, J.-M., van der Plicht, J. 2006. Bears and Humans in Chauvet Cave (Vallon-Pont-d'Arc, Ardèche, France): Insights from stable isotopes and radiocarbon dating of bone collagen. *Journal of Human Evolution* 50: 370-376. <https://doi.org/10.1016/j.jhevol.2005.12.002> (13<sup>th</sup> most downloaded article of *J. Hum. Evol.* in Jan-March 2006)
- A166. **Bocherens, H.**, Mashkour, M., Drucker, D. G., Moussa, I., Billiou, D. 2006. Stable isotope evidence for palaeodiets in Southern Turkmenistan during historical period and Iron Age. *Journal of Archaeological Science* 33: 253-264. <https://doi.org/10.1016/j.jas.2005.07.010>
- A167. **Bocherens, H.**, Michaux, J., Garcia Talavera, F., van der Plicht, J. 2006. Extinction of endemic vertebrates on islands: the case of the giant rat *Canariomys bravoii* (Mammalia, Rodentia) on Tenerife (Canary Islands, Spain). *Comptes Rendus Palevol* 5(7): 885-891. <https://doi.org/10.1016/j.crvp.2006.04.001> (8<sup>th</sup> most downloaded article of *CR. Palevol* in Oct.-Dec- 2006)
- A168. Michel, V., **Bocherens, H.**, Théry-Parisot, I., Valoch, K., Valensi, P. 2006. Coloring, Preservation State and U-Th Dating of Faunal Remains from the Neanderthal Levels of Kulna Cave (Czech Republic). *Geoarchaeology* 21: 479-501. <https://doi.org/10.1002/gea.20116>
- A169. Valentin, F., **Bocherens, H.**, Gratuze, B., Sand, C. 2006. Insights into social dimension of food: a bioarchaeological case-study from late prehistoric Cikobia-I-Ra (Fiji). *Journal of Archaeological Science* 33: 1396-1410. <https://doi.org/10.1016/j.jas.2006.01.012> (13<sup>th</sup> most downloaded article of *J. Arch. Sci.* in July-Oct. 2006)
- 2005**
- A170. **Bocherens, H.**, Drucker, D.G., Billiou, D., Patou-Mathis, M., Vandermeersch, B. 2005. Isotopic evidence for diet and subsistence pattern of the Saint-Césaire I Neanderthal: Review and use of a multi-source mixing model. *Journal of Human Evolution* 49: 71-87. <https://doi.org/10.1016/j.jhevol.2005.03.003> (16<sup>th</sup> most

downloaded article of *J. Hum. Evol.* in July-Sept. 2005, 21<sup>st</sup> most downloaded article of *J. Hum. Evol.* in Oct.-Dec. 2005)

- A171. **Bocherens, H.**, Drucker, D., Billiou, D., Moussa, I. 2005. Une nouvelle approche pour évaluer l'état de conservation de l'os et du collagène pour les mesures isotopiques (datation au radiocarbone, isotopes stables du carbone et de l'azote). *L'Anthropologie* 109 (3): 557-567. <https://doi.org/10.1016/j.anthro.2005.06.005> (6<sup>th</sup> most downloaded article of *L'Anthropologie*. in Oct.-Dec. 2005 and Jan.-March 2006)

## 2004

- A172. **Bocherens, H.**, Argant, A., Argant, J., Billiou, D., Crégut-Bonnoure, E., Donat-Ayache, B., Philippe, M., Thinon, M. 2004. Diet reconstruction of ancient brown bear (*Ursus arctos*) from Mont Ventoux (France) using bone collagen stable isotope biogeochemistry (<sup>13</sup>C, <sup>15</sup>N). *Canadian Journal of Zoology* 82: 576-586. <https://doi.org/10.1139/Z04-017>
- A173. Brunet, M., Guy, F., Boisserie, J.-R., Djimdounalbaye, A., Lehmann, T., Lihoreau, F., Louchart, A., Schuster, M., Tafforeau, P., Likius, A., Mackaye, H. T., Blondel, C., **Bocherens, H.**, Bonis, L. de, Coppens, Y., Denys, C., Düringer, P., Eisenmann, V., Flisch, A., Geraads, D., Lopez-Martinez, N., Otero, O., Pelaez Campomanes, P., Pilbeam, D., Ponce de Leon, M., Vignaud, P., Viriot, L., Zollikofer, C. 2004. "Toumaï", Miocène supérieur du Tchad, le nouveau doyen du rameau humain. *C.R. Palevol* 3(4): 277-285. <https://doi.org/10.1016/j.crpv.2004.04.004> (1<sup>st</sup> most downloaded article of *CR. Palevol* in July-Sept. 2004, 7<sup>th</sup> most downloaded article of *CR. Palevol* in Oct.-Dec. 2004, 3<sup>rd</sup> most downloaded article of *CR. Palevol* in Jan-March 2005, 13<sup>th</sup> most downloaded article of *CR. Palevol* in April-June 2005, 18<sup>th</sup> most downloaded article of *CR. Palevol* in Oct.-Dec- 2005)
- A174. Drucker, D.G. & **Bocherens, H.** 2004. Carbon and nitrogen stable isotopes as tracers of diet breadth evolution during Middle and Upper Palaeolithic in Europe. *International Journal of Osteoarchaeology* 14(3-4): 162-177. <https://doi.org/10.1002/oa.753>

## 2003

- A175. **Bocherens, H.** & Drucker, D. 2003. Trophic level isotopic enrichments for carbon and nitrogen in collagen: case studies from recent and ancient terrestrial ecosystems. *International Journal of Osteoarchaeology* 13: 46-53. <https://doi.org/10.1002/oa.662>
- A176. **Bocherens, H.**, Michaux, J., Billiou, D., Castanet, J., Garcia-Talavera, F. 2003. Contribution of collagen stable isotope biogeochemistry to the reconstruction of the paleobiology of extinct endemic rodents (*Canariomys bravoï*) and lizards (*Gallotia goliath*) in Tenerife (Canary Islands). *Isotopes in Environmental and Health Studies* 39(3): 197-210. DOI: <https://doi.org/10.1080/1025601031000113574>
- A177. Drucker, D., **Bocherens, H.**, Bridault, A., Billiou, D. 2003. Carbon and nitrogen isotopic composition of Red Deer (*Cervus elaphus*) collagen as a tool for tracking palaeoenvironmental change during Lateglacial and Early Holocene in northern Jura (France). *Palaeogeography, Palaeoclimatology, Palaeoecology* 195: 375-388. [https://doi.org/10.1016/S0012-821X\(03\)00514-4](https://doi.org/10.1016/S0012-821X(03)00514-4)
- A178. Drucker, D.G., **Bocherens, H.**, Billiou, D. 2003. Evidence for shifting environmental conditions in Southwestern France from 33,000 to 15,000 years ago derived from carbon-13 and nitrogen-15 natural abundances in collagen of large herbivores. *Earth and Planetary Science Letters* 216: 163-173. [https://doi.org/10.1016/S0031-0182\(03\)00366-3](https://doi.org/10.1016/S0031-0182(03)00366-3)
- A179. Nguyen Tu, T.T., Derenne, S., Largeau, C., Mariotti, A., **Bocherens, H.** 2003. Comparison of leaf lipids from a fossil Ginkgo and its modern counterpart at two degradation stages: diagenetic and chemotaxonomic implications. *Review of Palaeobotany and Palynology* 124(1-2): 63-78. [https://doi.org/10.1016/S0034-6667\(02\)00248-8](https://doi.org/10.1016/S0034-6667(02)00248-8)
- A180. Reiche, I., Favre-Quattropani, L., Vignaud, C., **Bocherens, H.**, Charlet, L., Menu, M. 2003. Multi-analytical study of bone diagenesis: The Neolithic site of Bercy (Paris, France). *Measurement Science and Technology* 14: 1608-1619.

## 2002

- A181. Balter, V., **Bocherens, H.**, Person, A., Labourdette, N., Renard, M., Vandermeersch, B. 2002. Ecological and physiological variability of Sr/Ca and Ba/Ca in mammals of West European mid-Wurmian foodwebs. *Palaeogeography, Palaeoclimatology, Palaeoecology* 186: 127-143. [https://doi.org/10.1016/S0031-0182\(02\)00448-0](https://doi.org/10.1016/S0031-0182(02)00448-0)
- A182. Balter, V., Saliège, J.-F., **Bocherens, H.**, Person, A. 2002. Physico-chemical and isotopic balances of controlled selective etching of archaeological bones. *Archaeometry* 44: 329-336.
- A183. Brunet, M., Guy, F., Pilbeam, D. Mackaye, H. T., Likius, A., Aounta, D., Beauvilain, A., Blondel, C., **Bocherens, H.**, Boisserie, J.-R., Bonis, L. de, Coppens, Y., Dejax, J., Denys, C., Düringer, P., Eisenmann, V., Fanone, G., Fronty, P., Geraads, D., Lehmann, T., Lihoreau, F., Louchart, A., Mahamat, A., Merceron, G., Mouchelin, G., Otero, O., Pelaez Campomanes, P., Ponce de Leon, M. Rage, J.-C., Sapanet, M., Schuster,

- M., Sudre, J., Tassy, P., Valentin, X., Vignaud, P., Viriot, L., Zazzo, A., Zollikofer, C. 2002. The earliest hominid: Upper Miocene, Chad, Central Africa. *Nature* 418: 145-151. <https://doi.org/10.1038/nature00879> .
- A184. Nguyen, Tu T.T., Kvacek, J., Ulicny, D., **Bocherens, H.**, Mariotti, A., Broutin, J. 2002. Isotope reconstruction of plant palaeoecology. Case study of Cenomanian floras from Bohemia. *Palaeogeography, Palaeoclimatology, Palaeoecology* 183: 43-70. [https://doi.org/10.1016/S0031-0182\(01\)00447-3](https://doi.org/10.1016/S0031-0182(01)00447-3)
- A185. Orlando, L., Bonjean, D., **Bocherens, H.**, Thenot, A., Argant, A., Otte, M., Hänni, C. 2002. Ancient DNA and the population genetics of cave bears (*Ursus spelaeus*) through space and time. *Molecular Biology and Evolution* 19(11): 1920-1933. <https://doi.org/10.1093/oxfordjournals.molbev.a004016>

## 2001

- A186. Balasse, M., **Bocherens, H.**, Ambrose, S. H., Mariotti, A. 2001. Detection of dietary changes by intra-tooth carbon and nitrogen isotopic analysis: An experimental study of dentine collagen of cattle (*Bos taurus*). *Journal of Archaeological Science* 28: 235-245. <https://doi.org/10.1006/jasc.1999.0535>
- A187. **Bocherens, H.**, Toussaint, M., Billiou, D., Patou-Mathis, P., Bonjean, M., Otte, M., Mariotti, A. 2001. New isotopic evidence for dietary habits of Neandertals from Belgium. *Journal of Human Evolution* 40(6): 497-505. <https://doi.org/10.1006/jhev.2000.0452>
- A188. **Bocherens, H.**, Mashkour, M., Billiou, D., Pellé, E., Mariotti, A. 2001. A new approach for studying prehistoric herd management in arid areas: intra-tooth isotopic analyses of archaeological caprine from Iran. *Comptes Rendus de l'Académie des Sciences, Série II, Paris* 332: 67-74. [https://doi.org/10.1016/S1251-8050\(00\)01488-9](https://doi.org/10.1016/S1251-8050(00)01488-9)
- A189. Drucker, D., **Bocherens, H.**, Pike-Tay, A., Mariotti, A. 2001. Isotopic tracking of seasonal dietary change in dentine collagen: preliminary data from modern caribou. *Comptes Rendus de l'Académie des Sciences, Série II, Paris* 333: 303-309. [https://doi.org/10.1016/S1251-8050\(01\)01640-8](https://doi.org/10.1016/S1251-8050(01)01640-8)
- A190. Hassanin, A., Seveau, A., Thomas, H., **Bocherens, H.**, Billiou, D., Xuan Nguyen, B. 2001. Evidence from DNA that the mysterious 'linh duong' bovid (*Pseudonovibos spiralis*) is not a new species. *Comptes Rendus de l'Académie des Sciences, Série III, Paris* 324(1): 71-80. [https://doi.org/10.1016/S0764-4469\(00\)01262-2](https://doi.org/10.1016/S0764-4469(00)01262-2)
- A191. Herrscher, E., **Bocherens, H.**, Valentin, F., Colardelle, R. 2001. Comportements alimentaires à la fin du Moyen-Age: application de la biogéochimie isotopique à la nécropole Saint-Laurent-de-Grenoble (Isère, France). *Comptes Rendus de l'Académie des Sciences, Série III, Paris* 324: 479-487. [https://doi.org/10.1016/S0764-4469\(01\)01316-6](https://doi.org/10.1016/S0764-4469(01)01316-6)
- A192. Nguyen, Tu T.T., Derenne, S., Largeau, C., Mariotti, A., **Bocherens, H.** 2001. Evolution of the chemical composition of Ginkgo biloba external and internal leaf lipids through senescence and litter formation. *Organic Geochemistry* 32: 45-55. [https://doi.org/10.1016/S0146-6380\(00\)00152-2](https://doi.org/10.1016/S0146-6380(00)00152-2)

## 2000

- A193. Brunet, M., Beauvilain, A., Billiou, D., **Bocherens, H.**, Boisserie, J.R., Bonis, de L., Branger, P., Brunet, A., Compomanes Pelaez, P., Coppens, Y., Daams, R., Denys, C., Dejax, J., Düringer, P., Eisenmann, V., Fanoné, F., Fronty, P., Gayet, M., Geraads, D., Guy, F., Kasser, M., Koufos, G., Likus, A., Louchart, A., MacLachy, L., Makaye, H.T., Marandat, B., Mouchelin, G., Mourer-Chauviré, C., Nieves Lopez, Otero, O., Peigné, S., Pilbeam, D., Rage, J. C., Ruitter de, D., Schuster, M., Sudre, J., Tassy, P., Vignaud, P., Viriot, L., Zazzo, A. 2000. Chad: Discovery of a vertebrate fauna biochronologically near the Mio-Pliocene boundary. *Journal of Vertebrate Paleontology* 20(1): 205-209. [https://doi.org/10.1671/0272-4634\(2000\)020\[0205:CDOAVF\]2.0.CO;2](https://doi.org/10.1671/0272-4634(2000)020[0205:CDOAVF]2.0.CO;2)
- A194. Nguyen, Tu T.T., Derenne, S., Largeau, C., Mariotti, A., **Bocherens, H.**, Pons, D. 2000. Effect of fungal infection on extract composition of higher plant remains. Analysis of shoots of a Cenomanian conifer invaded by extinct fungi. *Organic Geochemistry* 31(12): 1743-1754. [https://doi.org/10.1016/S0146-6380\(00\)00077-2](https://doi.org/10.1016/S0146-6380(00)00077-2)
- A195. Saint-Germès, M., **Bocherens, H.**, Baudin, F., Bazhenova, O. 2000. Evolution des valeurs de  $\delta^{13}\text{C}$  des matières organiques de la série de Maykop au cours de l'Oligocène-Miocène inférieur. *Bulletin de la Société Géologique de France* 171(1): 13-21.
- A196. Zazzo, A., **Bocherens, H.**, Brunet, M., Beauvilain, A., Billiou, D., Makaye, H.T., Vignaud, P., Mariotti, A. 2000. Herbivore paleodiet and paleoenvironmental changes in Pliocene Chad using stable isotopes in tooth enamel. *Paleobiology* 26(2): 294-309. [https://doi.org/10.1666/0094-8373\(2000\)026<0294:HPAPCI>2.0.CO;2](https://doi.org/10.1666/0094-8373(2000)026<0294:HPAPCI>2.0.CO;2)

## 1999

- A197. **Bocherens, H.**, Billiou, D., Patou-Mathis, M., Otte, M., Bonjean, D., Toussaint, M., Mariotti, A. 1999. Palaeoenvironmental and palaeodietary implications of isotopic biogeochemistry of late interglacial Neandertal and mammal bones in Scladina Cave (Belgium). *Journal of Archaeological Science* 26(6): 599-607. <https://doi.org/10.1006/jasc.1998.0377>

- A198. **Balasse, M., Bocherens, H.,** Mariotti, A. 1999. Intra-bone variability of collagen and apatite composition as evidence of a change of diet. *Journal of Archaeological Science* 26(6): 593-598. <https://doi.org/10.1006/jasc.1998.0376>
- A199. **Dufour, E., Bocherens, H.,** Mariotti, A. 1999. Palaeodietary implications of isotopic variability in Eurasian lacustrine fish. *Journal of Archaeological Science* 26(6): 627-637. <https://doi.org/10.1006/jasc.1998.0379>
- A200. **Nguyen, Tu T.T., Bocherens, H.,** Mariotti, A., Baudin, F., Pons, D., Broutin, J., Derenne, S., Largeau, C. 1999. Ecological distribution of Cenomanian terrestrial plants based on <sup>13</sup>C/<sup>12</sup>C ratios. *Palaeogeography, Palaeoclimatology, Palaeoecology* 145(1-3): 79-93. [https://doi.org/10.1016/S0031-0182\(98\)00092-3](https://doi.org/10.1016/S0031-0182(98)00092-3)
- A201. **Parra, V., Jaeger, J.-J., Bocherens, H.** 1999 - The skull of *Microtia* (Freudenthal, 1976), an extinct burrowing murine rodent genus of the late Neogene of Gargano, South Italy. *Lethaia* 32: 89-100. <https://doi.org/10.1111/j.1502-3931.1999.tb00526.x>
- A202. **Reiche, I., Favre-Quattropani, L., Calligaro, T., Salomon, J., Bocherens, H.,** Charlet, L., Menu, M. 1999. Trace element composition of archaeological bones and post-mortem alteration in the burial environment. *Nuclear Instruments and Methods in Physics Research B* 150: 656-662. [https://doi.org/10.1016/S0168-583X\(98\)00949-5](https://doi.org/10.1016/S0168-583X(98)00949-5)
- A203. Schutkowski, H., **Wiedemann, F., Bocherens, H.,** Grupe, G., Herrmann, B. 1999. Diet, status and decomposition in Weingarten. Trace elements and isotope analyses on early mediaeval skeletal material. *Journal of Archaeological Science* 26(6): 675-685. <https://doi.org/10.1006/jasc.1998.0384>
- A204. **Wiedemann, F., Bocherens, H.,** Von den Driesch, A., Grupe, G., Mariotti, A. 1999. Methodological and archaeological implications of intra-tooth isotopic variations (<sup>13</sup>C, <sup>18</sup>O) in herbivores from Ain Ghazal (Jordan, Neolithic). *Journal of Archaeological Science* 26(6): 697-704. <https://doi.org/10.1006/jasc.1998.0392>

## 1998

- A205. **Bocherens, H.** 1998. Comments on: "Use of stable isotopes to determine diets of living and extinct bears" by Hilderbrand et al. (1996). *Canadian Journal of Zoology* 76: 2299-2300.
- A206. **Bocherens, H.,** Sen, S. 1998. Pliocene vertebrate locality of Çalta, Ankara, Turkey. 11. Isotopic investigation. *Geodiversitas* 20(3): 487-495.
- A207. **Dufour, É., Bocherens, H.,** Gerdeaux, D., Ruhlé, C., Mariotti, A. 1998. Stable carbon and nitrogen isotope approach to the distinction of Blaufelchen and Gangfisch (*Coregonus lavaretus*) in Lake Constance. *Archives für Hydrobiologie, Advances in Limnology* 50, 121-129.
- A208. **Iacumin, P., Bocherens, H.,** Chaix, L., Mariotti, A. 1998. Stable carbon and nitrogen isotopes as dietary indicators of Nubian populations (Northern Sudan). *Journal of Archaeological Science* 25(4): 293-301. <https://doi.org/10.1006/jasc.1997.0206>
- A209. Thomas, H., Geraads, D., Janjou, D., Vaslet, D., Memesh, A., Billiou, D., **Bocherens, H.,** Dobigny, G., Eisenmann, V., Gayet, M., Lapparent de Broin, F. de., Petter, G., Halawani, M. 1998. First Pleistocene faunas from the Arabian Peninsula: An Nafud desert, Saudi Arabia. *Comptes Rendus de l'Académie des Sciences, Série II, Paris* 326: 145-152. [https://doi.org/10.1016/S1251-8050\(97\)87459-9](https://doi.org/10.1016/S1251-8050(97)87459-9)
- A210. Toussaint, M., Otte, M., Bonjean, D., **Bocherens, H.,** Falguères, C., Yokoyama, Y. 1998. Les restes humains néandertaliens immatures de la couche 4A de la grotte Scladina (Andenne, Belgique). *Comptes Rendus de l'Académie des Sciences, Série II, Paris* 326: 737-742. [https://doi.org/10.1016/S1251-8050\(98\)80186-9](https://doi.org/10.1016/S1251-8050(98)80186-9)

## 1997

- A211. **Bocherens, H.,** Mariotti, A. 1997. Comments on: Diet, physiology and ecology of fossil mammals as inferred from stable carbon and nitrogen isotope biochemistry: Implications for Pleistocene bears by Bocherens et al. - Reply. *Palaeogeography, Palaeoclimatology, Palaeoecology* 128(1/4): 362-364. [https://doi.org/10.1016/S0031-0182\(97\)81130-3](https://doi.org/10.1016/S0031-0182(97)81130-3)
- A212. **Bocherens, H.,** Billiou, D., Patou-Mathis, M., Bonjean, D., Otte, M., Mariotti, A. 1997. Paleobiological implications of the isotopic signatures (<sup>13</sup>C, <sup>15</sup>N) of fossil mammal collagen in Scladina Cave (Sclayn, Belgium). *Quaternary Research* 48: 370-380. <https://doi.org/10.1006/qres.1997.1927>
- A213. **Bocherens, H.,** Tresset, A., **Wiedemann, F.,** Giligny, F., Lafage, F., Lanchon, Y., Mariotti, A. 1997. Bone diagenetic evolution in two French Neolithic sites. *Bulletin de la Société Géologique de France* 168(5): 555-564.
- A214. **Balasse, M., Bocherens, H.,** Tresset, A., Mariotti, A., Vigne, J.-D. 1997. Émergence de la production laitière au néolithique ? Contribution de l'analyse isotopique d'ossements de bovins archéologiques. *Comptes Rendus de l'Académie des Sciences, Série II, Paris* 325: 1005-1010. [https://doi.org/10.1016/S1251-8050\(97\)82382-8](https://doi.org/10.1016/S1251-8050(97)82382-8)
- A215. **Blondel, C., Bocherens, H.,** Mariotti, A. 1997. State of preservation of the stable carbon and oxygen isotope ratios in ungulate teeth from French Eocene - Oligocene localities. *Bulletin de la Société Géologique de France* 168(6): 83-89.

- A216. Gröcke, D.R., **Bocherens, H.**, Mariotti, A. 1997. Annual rainfall and nitrogen-isotope correlation in Macropod collagen: Application as a paleoprecipitation indicator. *Earth and Planetary Science Letters* 153: 279-285. [https://doi.org/10.1016/S0012-821X\(97\)00189-1](https://doi.org/10.1016/S0012-821X(97)00189-1)
- A217. Iacumin, P., **Bocherens, H.**, Delgado Huertas, A., Mariotti, A., Longinelli, A. 1997. A stable isotope study of fossil mammal remains from the Paglicci cave, S. Italy. N and C as palaeoenvironmental indicators. *Earth and Planetary Science Letters* 148(1-2): 349-357. [https://doi.org/10.1016/S0012-821X\(97\)00015-0](https://doi.org/10.1016/S0012-821X(97)00015-0)

#### 1996

- A218. **Bocherens, H.**, Koch, P. L., Mariotti, A., Geraads, D., Jaeger, J.-J. 1996. Isotopic biogeochemistry ( $^{13}\text{C}$ ,  $^{18}\text{O}$ ) of mammal enamel from African Pleistocene hominid sites: implications for the preservation of paleoclimatic isotopic signals. *Palaios* 11: 306-318. <https://doi.org/10.2307/3515241>
- A219. **Bocherens, H.**, Pacaud, G., Lazarev, P., Mariotti, A. 1996. Stable isotope abundances ( $^{13}\text{C}$ ,  $^{15}\text{N}$ ) in collagen and soft tissues from Pleistocene mammals from Yakutia. Implications for the paleobiology of the mammoth steppe. *Palaeogeography, Palaeoclimatology, Palaeoecology* 126(1/2): 31-44. [https://doi.org/10.1016/S0031-0182\(96\)00068-5](https://doi.org/10.1016/S0031-0182(96)00068-5)
- A220. Gröcke, D.R., **Bocherens, H.** 1996. Isotopic investigation of an Australian island environment. *Comptes Rendus de l'Académie des Sciences, Série II, Paris* 322: 713-719.
- A221. Iacumin, P., **Bocherens, H.**, Mariotti, A., Longinelli, A. 1996. An isotopic palaeoenvironmental study of human skeletal remains from the Nile Valley. *Palaeogeography, Palaeoclimatology, Palaeoecology* 126(1/2): 15-30. [https://doi.org/10.1016/S0031-0182\(96\)00067-3](https://doi.org/10.1016/S0031-0182(96)00067-3)
- A222. Iacumin, P., **Bocherens, H.**, Mariotti, A., Longinelli, A. 1996. Oxygen isotope analysis of coexisting carbonate and phosphate in biogenic apatite: A way to monitor diagenetic alteration of bone phosphate? *Earth and Planetary Science Letters* 142: 1-6. [https://doi.org/10.1016/0012-821X\(96\)00093-3](https://doi.org/10.1016/0012-821X(96)00093-3)
- A223. Person, A., **Bocherens, H.**, Mariotti, A., Renard, M. 1996. Diagenetic evolution and experimental heating of bone phosphate. *Palaeogeography, Palaeoclimatology, Palaeoecology* 126(1/2): 135-150. [https://doi.org/10.1016/S0031-0182\(97\)88906-7](https://doi.org/10.1016/S0031-0182(97)88906-7)
- A224. Rodière, É., **Bocherens, H.**, Angibault, J.-M., Mariotti, A. 1996. Particularités isotopiques chez le chevreuil (*Capreolus capreolus* L.): Implications pour les reconstitutions paléoenvironnementales. *Comptes Rendus de l'Académie des Sciences, Série II, Paris* 323: 179-185.

#### 1995

- A225. **Bocherens, H.**, Emslie, S.D., Billiou, D., Mariotti, A. 1995. Stable isotopes ( $^{13}\text{C}$ ,  $^{15}\text{N}$ ) and paleodiet of the giant short-faced bear (*Arctodus simus*). *Comptes Rendus de l'Académie des Sciences, Série II, Paris* 320: 779-784.
- A226. **Bocherens, H.**, Fogel, M.L., Tuross, N., Zeder, M. 1995. Trophic structure and climatic information from isotopic signatures in a Pleistocene cave fauna of Southern England. *Journal of Archaeological Science* 22: 327-340. <https://doi.org/10.1006/jasc.1995.0035>
- A227. Fizet, M., Mariotti, A., **Bocherens, H.**, Lange-Badré, B., Vandermeersch, B., Borel, J.P., Bellon, G. 1995. Effect of diet, physiology and climate on carbon and nitrogen isotopes of collagen in a late Pleistocene anthropic paleoecosystem (France, Charente, Marillac). *Journal of Archaeological Science* 22: 67-79. [https://doi.org/10.1016/S0305-4403\(95\)80163-4](https://doi.org/10.1016/S0305-4403(95)80163-4)
- A228. Person, A., **Bocherens, H.**, Saliège, J.-F., Paris, F., Zeitoun, V., Gérard, M. 1995. Early diagenetic evolution of bone phosphates: a X-ray diffractometry analysis. *Journal of Archaeological Science* 22: 211-221. <https://doi.org/10.1006/jasc.1995.0023>

#### 1994

- A229. **Bocherens, H.**, Brinkman, D.B., Dauphin, Y., Mariotti, A. 1994. Microstructural and geochemical investigations on Late Cretaceous Archosaur teeth from Alberta (Canada). *Canadian Journal of Earth Sciences* 31: 783-792. <https://doi.org/10.1139/e94-071>
- A230. **Bocherens, H.**, Fizet, M., Mariotti, A. 1994. Diet, physiology and ecology of fossil mammals as inferred by stable carbon and nitrogen isotopes biogeochemistry: implications for Pleistocene bears. *Palaeogeography, Palaeoclimatology, Palaeoecology* 107: 213-225. [https://doi.org/10.1016/0031-0182\(94\)90095-7](https://doi.org/10.1016/0031-0182(94)90095-7)
- A231. **Bocherens, H.**, Fizet, M., Mariotti, A., Bellon, G., Borel, J.-P. 1994. Les gisements de mammifères du Miocène supérieur de Kemiklitepe, Turquie: 10. Biogéochimie isotopique. *Bulletin du Museum d'Histoire Naturelle, Paris, 4e sér.* 16, C(1): 211-223.
- A232. **Bocherens, H.**, Fizet, M., Mariotti, A., Gangloff, R. A., Burns, J. A. 1994. Contribution of isotopic biogeochemistry ( $^{13}\text{C}$ ,  $^{15}\text{N}$ ,  $^{18}\text{O}$ ) to the paleoecology of mammoths (*Mammuthus primigenius*). *Historical Biology* 7: 187-202. <https://doi.org/10.1080/10292389409380453>



### 1993

- A233. **Bocherens, H.**, Friis, E.M., Mariotti, A., Pedersen, K.R. 1993. Carbon isotopic abundances in Mesozoic and Cenozoic fossil plants: Palaeoecological implications. *Lethaia* 26: 347-358. <https://doi.org/10.1111/j.1502-3931.1993.tb01541.x>

### 1992

- A234. **Bocherens, H.**, Mariotti, A. 1992. Biogéochimie isotopique du carbone dans les os et les dents de mammifères actuels et fossiles de zones froides et tempérées. *Comptes Rendus de l'Académie des Sciences, Série II, Paris* 315: 1147-1153.

### 1991

- A235. **Bocherens, H.**, Fizet, M., Mariotti, A., Lange-Badré, B., Vandermeersch, B., Borel, J.-P., Bellon, G. 1991. Isotopic biogeochemistry ( $^{13}\text{C}$ ,  $^{15}\text{N}$ ) of fossil vertebrate collagen: implications for the study of fossil food web including Neandertal Man. *Journal of Human Evolution* 20: 481-492. [https://doi.org/10.1016/0047-2484\(91\)90021-M](https://doi.org/10.1016/0047-2484(91)90021-M)

### 1990

- A236. **Bocherens, H.**, Fizet, M., Mariotti, A. 1990. Mise en évidence du régime alimentaire végétarien de l'ours des cavernes (*Ursus spelaeus*) par la biogéochimie isotopique ( $^{13}\text{C}$ ,  $^{15}\text{N}$ ) du collagène fossile. *Comptes Rendus de l'Académie des Sciences, Série II, Paris* 311: 1279-1284.

### 1989

- A237. Sen, S., Jaeger, J.-J., Dalfes, N., Mazin, J.-M., **Bocherens, H.** 1989. Découverte d'une faune de petits mammifères pliocènes en Anatolie occidentale. *Comptes Rendus de l'Académie des Sciences, Série II, Paris* 309: 1729-1734.

### 1988

- A238. **Bocherens, H.**, Fizet, M., Cuif, J.-P., Jaeger, J.-J., Michard, J.-G., Mariotti, A. 1988. Premières mesures d'abondances isotopiques naturelles en  $^{13}\text{C}$  et en  $^{15}\text{N}$  de la matière organique fossile de Dinosaur. Application à l'étude du régime alimentaire du genre *Anatosaurus* (Ornithischia, Hadrosauridae). *Comptes Rendus de l'Académie des Sciences, Série II, Paris* 306: 1521-1526.

## B. Articles in edited volumes:

### In press

- B1. **Bocherens, H.**, Drucker, D.G., in press. Tomb VII of Qatna: Isotopic investigations on bones and human diet. in Dohmann, H., Degenhardt, S., Lange-Weber, S. und Pfälzner, P. (Eds): Die Gruft VII in Qatna. Befund, Kontextualisierung, Interpretation. *Qatna Studien* 12, Harrassowitz-Verlag, Wiesbaden.

### 2022

- B2. **Bocherens, H.**, Jaouen, K., Rivals, F., Slon, V., Talamo, S., Welker, F., 2022. Chapter 16: Methodological advances in Neanderthal identification, phylogeny, chronology, mobility, climate and diet. In: (F. Rivals, F. Romagnoli, S. Benazzi, Eds) *Updating the Neanderthals: understanding behavioural complexity in the Late Middle Palaeolithic*, pp. 303-320. <https://doi.org/10.1016/B978-0-12-821428-2.00002-0>
- B3. Rivals, F., **Bocherens, H.**, Camarós, E., Rosell, J., 2022. Diet and ecological interactions in the Middle and Late Pleistocene. In: (F. Rivals, f. Romagnoli, S. Benazzi, Eds) *Updating the Neanderthals: understanding behavioural complexity in the Late Middle Palaeolithic*, pp. 39-54. <https://doi.org/10.1016/B978-0-12-821428-2.00003-2>

### 2021

- B4. **Bocherens, H.**, Drucker, D.G., 2021. Isotopic insights on the ecological interactions between humans and woolly mammoths during the Middle and Upper Palaeolithic in Europe. in: Konidaris, G.E., Barkai, R., Tourloukis, V., Harvati, K. (Eds.), *Human-elephant interactions: from past to present*. Tübingen University Press, Tübingen, pp. 249-262. <https://dx.doi.org/10.15496/publikation-55586>
- B5. Germonpré, M., **Bocherens, H.**, Bessudnov, A., Lázníčková-Galetová, M., Reynolds, N., Sablin, M., Wißing, C., 2021. Seasonality at Middle and Upper Palaeolithic sites based on the presence and wear of molars from nursing mammoth calves. in: Konidaris, G.E., Barkai, R., Tourloukis, V., Harvati, K. (Eds.), *Human-elephant interactions: from past to present*. Tübingen University Press, Tübingen, pp. 367-406. <https://dx.doi.org/10.15496/publikation-55584>

### 2020

- B6. Elalouf, J.-M., **Bocherens, H.**, Bon, C., Fosse, Ph., Palacio, P., Philippe, M., 2020. 6.4. Restes osseux et analyse ADN: apports paléoenvironnementaux. In: Atlas de la grotte Chauvet-Pont d'Arc, Delannoy J.J. & Geneste J.M. (Eds), Collection "Documents d'archéologie française", Editions Fondation Maison des Sciences de l'Homme, pp. 150-152.
- B7. Germonpré, M., Lázníčková-Galetová, M., Sablin, M., **Bocherens, H.**, 2020. 11. Could incipient dogs have enhanced differential access to resources among Upper Palaeolithic hunter-gatherers in Europe? In: (L. Moreau, ed.), *Social Inequality before farming? Multidisciplinary approaches to the investigation of egalitarian and non-egalitarian social relationships in prehistoric and extant hunter-gatherer societies* McDonald institute of Archaeology, Cambridge, pp. 179-200. e-book with open access. <https://www.repository.cam.ac.uk/handle/1810/313518>
- B8. Valladas, H., **Bocherens, H.**, Bon, C., Fosse, Ph., Philippe, M., Quiles, A., Geneste, J.-M., Monney, J., 2020. 5.4. Datation <sup>14</sup>C d'ossements. In: Atlas de la grotte Chauvet-Pont d'Arc, Delannoy J.J. & Geneste J.M. (Eds), Collection "Documents d'archéologie française", Editions Fondation Maison des Sciences de l'Homme, p. 125.

### 2018

- B9. Dövenner, F., Oelschlägel, C., **Bocherens, H.**, 2018. Kamele im westlichen Treverergebiet - ein nahezu vollständig erhaltenes Dromedar aus dem Vicus Mammer-Bartringen (Luxemburg). *Archäologie in der Großregion*. (M. Koch, ed.) Beiträge des internationalen Symposiums zur Archäologie in der Großregion in der Europäischen Akademie Otzenhausen vom 23.-26.03.2017. Europäische Akademie Otzenhausen, 4: 187-204.
- B10. Germonpré, M., Lázníčková-Galetová, M., Sablin, M., **Bocherens, H.**, 2018. Self-domestication or human control? The Upper Palaeolithic domestication of the dog. In: (J.-D. Vigne and C. Stépanoff, eds), *Hybrid communities, biosocial approaches to domestication and other trans-species relationships* Routledge, pp. 39-64.

### 2017

- B11. Knipper, C., Bonilla Díaz-Zorita, M., **Bocherens, H.**, Witzel, C., 2017. Ein karolingisches Steinplattengrab in der heutigen Hildesheimer Domgruft. Anthropologische Untersuchung und Isotopenanalysen an den darin überlieferten Skelettresten. In: *Die Baugeschichte des Hildesheimer Doms*, Publisher: Schnell & Steiner, Editors: Karl Bernhard Kruse, pp. 121-139.

- B12. Putelat, O., Koziol, A., **Bocherens, H.**, Guintard, C., 2017. Les équidés de la nécropole d'Odratzheim « Sandgrube » (Bas-Rhin). Etude archéozoologique et mise en perspective des données ostéométriques. In: E. Lorans dir. – *Le Cheval au Moyen-Âge*, Presses universitaires François-Rabelais, pp. 319-344.

## 2016

- B13. Drucker, D.G., Rivals, F., Münzel, S.C., **Bocherens, H.**, 2016. Stable isotope and microwear investigation on the mammoth (*Mammuthus primigenius*) of Kraków Spadzista: insights into diet and environment. In: (Wojtal, P., Wilczyński, J., Haynes, G., Eds) *A Gravettian sites in southern Poland: Kraków Spadzista*, pp. 189-202.
- B14. Putelat, O., Logel, T., **Bocherens, H.**, Geigl, E.-M., Guimaraes, S.L., Metz, B., 2016. Une chasse aristocratique dans le Ried Centre-Alsace au premier Moyen Âge: l'apport de l'archéozoologie à la connaissance du site d'Ostheim « Birgelsgaerten » (France, Haut-Rhin). In Peytremann (E.) ed. - *Des Fleuves et des Hommes à l'époque mérovingienne. Territoire fluvial et société au premier Moyen Âge (5e-12e siècle)*. Actes des 33e Journées internationales d'Archéologie mérovingienne. Strasbourg, 28-30 septembre 2012, 42e suppl. à la RAE, pp 255-270.

## 2014

- B15. **Bocherens, H.** 2014. Diet and ecology of the Scladina Neanderthal child: insights from stable isotopes. In: (M. Toussaint and D. Bonjean, Eds.) *The Scladina I-4A Juvenile Neandertal – Palaeoanthropology and context*. *ERAUL* 134: 351-362.

## 2013

- B16. **Bocherens, H.**, Germonpré, M., Toussaint, M., Semal, P. 2013. XVII. Stable isotopes. In: (P. Semal & A. Hauzeur, Eds), *Spy Cave: State of 125 Years of Pluridisciplinary Research on the Betche-aux-Rotches from Spy (Jemeppe-sur-Sambre, Province of Namur, Belgium)*. Royal Belgian Institute of Natural Sciences, pp. 357-371.
- B17. Semal, P., Hauzeur, A., Rougier, H., Crevecoeur, I., Germonpré, M., Pirson, S., Haesaerts, P., Jungels, C., Flas, D., Toussaint, M., Maureille, B., **Bocherens, H.**, Higham, T., Van Der Plicht, J., 2013. XVI. Radiocarbon dating. In: Rougier, H., Semal, P. (Eds), *Spy Cave. State of 125 years of pluridisciplinary research on the Betche aux Rotches from Spy (Jemeppe-sur-Sambre, Province of Namur, Belgium)*. Royal Belgian Institute of Natural Sciences, pp. 331-356.

## 2012

- B18. Pacher, M., **Bocherens, H.**, Döppes, D., Frischauf, C., Rabeder, G., 2012. First results of stable isotopes from Drachenloch and Wildenmannlisloch, Swiss Alps. In: Döppes D., Joger, U., Rosendahl, W. (eds.) *Proceedings of the 17<sup>th</sup> International cave bear Symposium, 15<sup>th</sup>-18<sup>th</sup> September 2011, Herzberg, Braunschweiger Naturkundliche Schriften* 11: 101-110.

## 2011

- B19. **Bocherens, H.** 2011. Diet and ecology of Neanderthals: Insights from bone and tooth biogeochemistry. in: (N.J. Conard & J. Richter, Eds.), *Neanderthal lifeways, subsistence and technology*. Vertebrate Paleobiology & Paleoanthropology (series editors Eric Delson and Ross MacPhee). Heidelberg, New York – Springer, pp. 73-85.
- B20. Daujeard, C., Moncel, M.-H., Rivals, F., Fernandez, Ph., Aureli, D., Auguste, P., **Bocherens, H.**, Crégut-Bonnoure, E., Debard, E., Liouville, M. 2011. What Occupation type in the Unit F at Payre (Ardèche, France)? A Specialised Hunting Stop or a Short-term Camp? An example of a Multidisciplinary Approach, in Bon Fr., Costamagno S., Valdeyron N. (eds.), *Hunting Camps in Prehistory. Current Archaeological Approaches*, Proceedings of the International Symposium, May 13-15 2009, University Toulouse II - Le Mirail, P@ *lethnology*, 3: 77-101. P@ (<http://www.palethnologie.org/>)

## 2009

- B21. **Bocherens, H.** 2009. Neanderthal dietary habits: Review of the isotopic evidence. in: (J.-J. Hublin & M.P. Richards, Eds.) *The Evolution of Hominid Diets: Integrating approaches to the study of Palaeolithic subsistence*, Vertebrate Paleobiology & Paleoanthropology, Springer, Dordrecht, pp. 241-250.
- B22. Drucker, D. G., **Bocherens, H.**, Billiou, D. 2009. Quelle valence écologique pour les rennes et autres cervidés dans les Alpes du Nord et le Jura ? Résultats de l'analyse des isotopes stables (<sup>13</sup>C, <sup>15</sup>N) du collagène. In: (G. Pion Ed.) *La fin du Paléolithique supérieur dans le nord, l'est de la France et les régions limitrophes, Mémoire de la Société préhistorique française* 50, 73-86.

## 2008

- B23. Döppes, D., Rosendahl, W., Pacher, M., Imhof, W., Dalmeri, G., **Bocherens, H.** 2008. Stable Isotopenuntersuchungen an spätglazialen und holozänen Braunbärenfunden aus Höhlen im Alpenraum. In: (T. Bürgin, Ed.) *The 14<sup>th</sup> International Cave Bear Symposium at Appenzell, Switzerland, 18<sup>th</sup>-22<sup>nd</sup> of September 2008* *Stalactite* 58(2): 64-66.
- B24. Moncel, M.-H., Auguste, P., Ayliffe, L., Bahain, J.-J., **Bocherens, H.**, Bouteaux, A., Chacón, M.G., Condemi, S., Crégut-Bonnoure, É., Crépin, L., Debard, E., Desclaux, E., Dubois, J.-M., Dashek, E., Dubar, M., El Hazzazi, N., Falgueres, C., Fernandes, P., Froget, L., Julien, M.-A., Joron, J.-L., Lacomat, F., Lamarque, F., Liouville, M., Mallye, J.-B., Masaoudi, H., Mercier, N., Patou-Mathis, M., Pautret-Homerville, C., Pean, S., Reys, J.-L., Rousseau, L., Valladas, H., Villette, P., 2008. Le site de Payre. Occupations humaines dans la vallée du Rhône à la fin du Pléistocène moyen et au début du Pléistocène supérieur. *Mémoire de la Société préhistorique française*, 46, pp. 1-336.
- B25. Münzel, S.C., Hofreiter, M., Stiller, M., Conard, N.J., **Bocherens, H.** 2008. Neue Ergebnisse zur Paläobiologie der Höhlenbären auf der Schwäbischen Alb (Chronologie, Isotopie und Paläogenetik). *Stalactite* 58(2): 27-30.
- B26. Valentin, F., Sand, C., Le Goff, I., **Bocherens, H.** 2008. An early first millenium AD burial from the Naselala site, Cikobia-I-Ra Island (North-East Fiji). In: (D.J. Addison & C. Sand, Eds) *Recent advances in the Archaeology of the Fidji/West-Polynesia region*, University of Otago Studies in Prehistoric Anthropology, No. 21, Dunedin, pp. 45-56.

## 2007

- B27. Herrscher, E., Valentin, F., **Bocherens, H.**, Colardelle, R. 2007. Les squelettes de Saint-Laurent de Grenoble, des témoins de l'alimentation et de la santé au Moyen Age (XIII<sup>ème</sup>-XV<sup>ème</sup> siècles, France). in: (F. Sabin & Audouin-Rouzeau, Eds), *Un aliment sain dans un corps sain – Perspectives historiques*, Actes du colloque de l'IEHA, Tours 14-15 décembre 2002, Presses Universitaires François Rabelais, pp. 123-138.

## 2006

- B28. **Bocherens, H.**, Drucker, D. G. 2006. Dietary competition between Neanderthals and Modern Humans: insights from stable isotopes. in: (N. Conard, Ed) *When Neanderthals and Modern Humans met* Tübingen Publications in Prehistory, KernsVerlag, pp 129-143.
- B29. Bégeot, C., Pion, G., Marrocchi, Y., Argant, J., Birringer, P., **Bocherens, H.**, Bridault, A., Chaix, L., Thiébault, S. 2006. Environnement végétal et climatique des sociétés magdaléniennes et épipaléolithiques dans les Alpes du Nord françaises et le Jura méridional. In: (Miras, Y. & Surmely, F., Eds) *Environnement et peuplement de la moyenne montagne, du Tardiglaciaire à nos jours*, Actes de la table ronde de Pierrefort, juin 2003, Annales Littéraires, pp. 19-27.

## 2005

- B30. **Bocherens, H.**, Billiou, D., Tresset, A. 2005. Approche biogéochimique (<sup>13</sup>C, <sup>15</sup>N) de l'exploitation de l'environnement par les humains. In: (F. Giligny Ed.) *Louviers "La Villette" (Eure): Un site néolithique moyen en zone humide*, Documents Archéologiques de l'Ouest, pp. 265-269.
- B31. **Bocherens, H.**, Drucker, D., Billiou, D. 2005. Paléoenvironnements et Hominidés: Approches biogéochimiques. in: (A. Tuffreau, Ed.) *Peuplements humains et variations environnementales au Quaternaire*, *British Archaeological Reports, Int. Series*, S1352, pp. 55-68.
- B32. **Bocherens, H.**, Drucker, D., Billiou, D., Fosse, P., Gely, B., Geneste, J.-M., Kervazo, B., Philippe, M. 2005. Etat de conservation des ossements dans la Grotte Chauvet (Vallon-Pont-d'Arc, Ardèche, France): implications pour la biogéochimie isotopique (paléodiètes, paléoenvironnements, datations au radiocarbone). in: (J.-M. Geneste, Ed.) *Recherches pluridisciplinaires dans la grotte Chauvet*, *Bulletin de la Société Préhistorique française*, 102, pp. 77-87.
- B33. Crégut-Bonnoure, E., Argant, A., Argant, J., Ayache-Donat, B., Billiou, D., **Bocherens, H.**, Boucher, C., Buisson-Catil, J., Debard, E., Fosse, P., Hänni, C., Laudet, F., Mourer-Chauviré, C., Mein, P., Oberlin, C., Orlando, L., Philippe, M., Quilès, J., Thinin, M. 2005. Les cavités karstiques du Mont Ventoux (Vaucluse, France): découverte de la plus grande accumulation européenne d'ours brun (*Ursus arctos* L.) et données sur l'environnement holocène en milieu d'altitude. *Actes du 10<sup>ème</sup> symposium international sur l'ours des cavernes, le Mas d'Azil, 3 octobre 2004*. (P. Fosse, Ed.) Bull. Soc. Nat. de Toulouse et de Midi-Pyrénées: 141, 5-18.
- B34. Drucker, D., **Bocherens, H.** 2005. Conservation du collagène dans les ossements de la faune du site de Bois-Ragot et implications paléoenvironnementales des signatures isotopiques (<sup>13</sup>C, <sup>15</sup>N) des cervidés. in: (A. Chollet & V. Dujardin, Eds.) *La grotte du Bois-Ragot à Goux (Vienne), Magdalénien et Azilien, essais sur les hommes et leur environnement*. *Mémoire de la Société préhistorique française* 38: 385-391.

- B35. Mashkour, M., **Bocherens, H.**, Moussa, I. 2005. Long distance movement of sheep and goats of Bakhtiari nomads tracked with intra-tooth variations of stable isotopes. In: (J. Davis, M. Fabis, I. Mainland, M. Richards & R. Thomas, Eds) *Diet and Health in Past Animal Populations: Current Research and Future Directions*, Oxford, Oxbow Books, pp. 113-124.
- B36. Patou-Mathis, M., Auguste, P., **Bocherens, H.**, Condemi, S., Michel, V., Neruda, P., Valoch, K. 2005. Les occupations du Paléolithique moyen de la grotte de Kůlna (Moravie, République Tchèque): nouvelles approches, nouveaux résultats. in: (A. Tuffreau, Ed.) "*Peuplements humains et variations environnementales au Quaternaire*", *British Archaeological Reports, Int. Series*, S1352, pp. 69-94.
- B37. Vigne J.-D. and PREFACTH (André, J., Bailon, S., **Bocherens, H.**, Bouchet, F., Bourdillat, V., Brochier, J.-E., Mai, B. T., Causse, C., Costa, L., Cuisin, J., David, H., Desse-Berset, N., Girard, M., Heinz, C., Lanfranchi, F. de, Magdeleine, J., Paichelier, J.-C., Pouydebat, E., Robert, I., Ruas, M.-P., Thiebault, S. & Tozzi, C.) 2005. Premières manifestations de l'homme moderne en Corse et en Sardaigne : nouvelles données et réflexions. in: (A. Tuffreau, Ed.) *Peuplements humains et variations environnementales au Quaternaire*, *British Archaeological Reports, Int. Series*, S1352, pp. 139-145.

#### 2004

- B38. **Bocherens, H.** 2004. Cave bear palaeoecology and stable isotopes: checking the rules of the game. in: (M. Philippe, A. Argant & J. Argant, Eds) *Proceedings of the 9th International Cave Bear Conference, Cahiers scientifiques du Centre de Conservation et d'Etude des Collections (Muséum d'Histoire naturelle de Lyon)* Hors Série No 2, p. 183-188.
- B39. Braemer, R., Echallier, J.-C., Vila, E., Vallerin, M., Kalos, M., Nicolle, C., Taraqqi, A., Buchet, L., **Bocherens, H.** 2004. III. Villages et nécropoles: Architecture et organisation de l'habitat permanent du IV<sup>e</sup> au II<sup>e</sup> millénaire. in: (Braemer, F., Echallier, J.-C. & Taraqqi, A, Eds) *Khirbet Al Umbashi, villages et campements de pasteurs dans le "désert noir" (Syrie) à l'âge du Bronze*, Bibliothèque archéologique et historique, Beyrouth, T. 171, p. 30-218.

#### 2003

- B40. **Bocherens, H.** 2003. Isotopic biogeochemistry and the paleoecology of the mammoth steppe fauna. In: (W. F. Reumer, F. Braber, D. Mol & J. de Vos, Eds) *Advances in Mammoth research, Deinsea*, Rotterdam 9, pp. 57-76.
- B41. **Bocherens, H.**, Drucker, D. 2003. Reconstructing Neandertal diet from 120,000 to 30,000 BP using carbon and nitrogen isotopic abundances. In: (M. Patou-Mathis & **H. Bocherens**, Eds) *Le rôle de l'environnement dans les comportements des chasseurs-cueilleurs préhistoriques*, *British Archaeological Reports, Int. Series*, 1105, pp. 1-7.
- B42. Costa, L., Vigne, J.-D., **Bocherens, H.**, Desse-Berset, N., Heinz, C., de Lanfranchi, F., Magdeleine, J., Ruas, M.-P., Thiebault, S., Tozzi, C. 2003. Early settlement of Tyrrhenian islands (8th millennium cal. BC): Mesolithic adaptation to local resources in Corsica and Northern Sardinia. In: (L. Larson et al., ed.) *Mesolithic on the move: papers presented at the sixth International Conference on the Mesolithic in Europe, Stockholm 2000*, Oxbow, Oxford, pp. 3-10.

#### 2002

- B43. **Bocherens H.** 2002. Alimentation des ours et signatures isotopiques. In: (T. Tillet & L. R. Binford Eds) *L'Homme et l'Ours, ERAUL*, 100, pp. 41-49.
- B44. Herrscher, E., **Bocherens, H.**, Valentin, F. 2002. Reconstitution des comportements alimentaires aux époques historiques en Europe à partir de l'analyse isotopique d'ossements humains. In: (C. Polet, M. Udrescu & R. Noël Eds) *L'alimentation carnée aux époques historiques/Meat consumption in Historical periods*, *Revue Belge de Philologie et d'Histoire* 80(4), pp. 1403-1422.

#### 2001

- B45. Toussaint, M., Orban, R., Polet, C., Semal, P., **Bocherens, H.**, Masy, P., Garcia Martin, C. 2001. Apports récents sur l'anthropologie des Mésolithiques et des Néolithiques mosans. In: (P.-L. van Berg, A. Hauzeur & N. Cauwe Eds) *Préhistoire en Belgique, (Anthropologica et Praehistorica* 112, pp. 91-105.
- B46. Toussaint, M., Pirson, S. & **Bocherens, H.** 2001. Neandertals from Belgium. In: (P.-L. van Berg, A. Hauzeur & N. Cauwe Eds) *Préhistoire en Belgique, Anthropologica et Praehistorica* 112, pp. 21-38.

#### 2000

- B47. **Bocherens, H.** 2000. Preservation of isotopic signals (<sup>13</sup>C, <sup>15</sup>N) in Pleistocene mammals. In: (M. A. Katzenberg & S. H. Ambrose Eds) *Biogeochemical approaches to Paleodietary Analyses*. Kluwer Academic/Plenum Publishers New York, pp. 65-88.

- B48. **Bocherens, H.** 2000. Contribution des isotopes stables du carbone et de l'azote du collagène à l'étude des réseaux trophiques du Pléistocène supérieur d'Europe occidentale: application aux Néandertaliens. In: (**H. Bocherens** & F. Audouze, eds) Dossier "Biogéochimie et Archéologie" *Les Nouvelles de l'Archéologie* 80: 17-19.
- B49. **Bocherens, H.**, Billiou, D., Charpentier, V., Mashkour, M. 2000. Palaeoenvironmental and archaeological implications of bone and tooth isotopic biogeochemistry (<sup>13</sup>C, <sup>15</sup>N) in Southwestern Asia. In: (H. Buitenhuis, M. Mashkour & F. Poplin Eds) *Archaeozoology of the Near East IV*, Groningen: ARC 32, Vol. B, pp. 104-115.
- B50. **Bocherens, H.**, Person, A., Regert, M. 2000. Introduction générale: Biogéochimie et Archéologie. In: (**H. Bocherens** & F. Audouze, Eds) Dossier "Biogéochimie et Archéologie" *Les Nouvelles de l'Archéologie* 80: 5-11.
- B51. Drucker, D., **Bocherens, H.**, Mariotti, A. 2000. Contribution de la biogéochimie isotopique à la paléobiologie des grands mammifères pléistocènes supérieurs: Application aux rennes et aux chevaux du Pléistocène supérieur du Sud-Ouest de la France. In: (G. Pion, Ed.) *Le Paléolithique Supérieur Récent: Nouvelles Données sur le Peuplement et l'Environnement, Mémoire de la Société préhistorique française* 28: 13-27.
- B52. Vigne, J.-D., Carrère, I., Saliège, J.-F., Person, A., **Bocherens, H.**, Guilaine, J., Briois, F. 2000. Predomestic cattle, sheep, goat and pig during the late 9<sup>th</sup> and the 8<sup>th</sup> millennium cal. BC on Cyprus: Preliminary results of Shillourokambos (Parekklisha, Limassol). In: (H. Buitenhuis, M. Mashkour & F. Poplin Eds) *Archaeozoology of the Near East IV*, Groningen: ARC 32, Vol. A, pp. 73-106.
- 1999**
- B53. **Bocherens, H.** 1999. Reconstruction of Neandertal diet using bone collagen carbon and nitrogen stable isotopes. In: (H. Ullrich Ed.) *Hominid Evolution, Lifestyles and survival strategies*, Edition Archaea, pp. 410-428.
- B54. **Bocherens, H.**, Mashkour, M. 1999. Mleiha: Étude diagénétique et isotopique des restes de vertébrés. In: (M. Mouton Ed.) *Mleiha. I: Environnement, stratégie de subsistance et artisanat, Travaux de Maison de l'Orient* N° 29, pp. 97-105.
- 1998**
- B55. **Bocherens, H.**, Billiou, D. 1998. Implications paléoenvironnementales et paléoalimentaires de l'étude isotopique du néandertalien de la couche 4. In: (M. Otte, M. Patou-Mathis & D. Bonjean Eds) *Recherches aux grottes de Sclayn, vol.2, "Archéologie", ERAUL 79*, pp. 311-328.
- B56. Patou-Mathis, M., **Bocherens, H.** 1998. Comportements alimentaires des hommes et des animaux à Scladina. In: (M. Otte, M. Patou-Mathis & D. Bonjean Eds) *Recherches aux grottes de Sclayn, vol.2, "Archéologie", ERAUL 79*, pp. 329-336.
- 1997**
- B57. **Bocherens, H.** 1997. L'apport de la biogéochimie isotopique à la connaissance des comportements de subsistance des chasseurs cueilleurs anciens. In: (M. Patou-Mathis, Ed.) *L'alimentation des hommes du Paléolithique, ERAUL 83*, pp. 233-262.
- 1996**
- B58. Person, A., **Bocherens, H.**, Saliège, J.-F., Gérard, M., Billiou, D., Mariotti, A. 1996. Diagenetic evolution of bone phosphate from Saharan archaeological sites, an experimental approach. In: (G. Pwiti & R. Soper Eds) *Aspects of African Archaeology, papers from the 10<sup>th</sup> Congress of the PanAfrican Association for Prehistory and Related Studies*, University of Zimbabwe Publications, pp. 11-22.
- B59. Zeitoun, V., Person, A., **Bocherens, H.** 1996. Evolution post-mortem de la cristallinité de la carbonate hydroxylapatite d'ossements humains. In: (D. Castex, P. Courtaud, P. Sellier, H. Duda & J. Bruzek Eds) *Les ensembles funéraires du terrain à l'interprétation, Bulletins et Mémoires de la Société d'Anthropologie de Paris* 8(3/4): 289-298.

### C. Other articles (non-refereed contributions):

- C1. Germonpré, M., Lázníčková-Galetová, M., Sablin, M., **Bocherens, H.**, 2023. The advantages of owning a Palaeolithic dog. In: *Dogs Past and Present* Archaeopress, pp. 63-71.
- C2. Kirillova, I.V., **Bocherens, H.**, Chernova, O.F., Ehrlich, H., Khrunyk, Y., Wysokowski, M., Vasilevski, A.A., Yudin, V.G., 2022. At the junction of Ethnography, Zoology and physics: new data on the bear cult on Sakhalin Island (Russia). *Bulletin of the Sakhalin Museum* 2022/1: 87-117.
- C3. Toussaint, M., Smolderen, A., **Bocherens, H.**, Cattelain, L., Collin, J.-P., Cattelin, P., 2020. La Grotte d'Ambre à Matagne-la-Grande (Doische, Namur, Belgique): étude anthropologique, biogéochimique et archéologique d'un amas d'ossements humains du Néolithique final du bassin mosan wallon. *ARCHÉO-SITULA* 39: 63-100.
- C4. Locht, J.-L., Dabkowski, J., Antoine, P., Auguste, P., Sévêque, N., Moreau, G., Vialet, A., Bertrand, B., Limondin-Lozouet, N., Jamet, G., **Bocherens, H.**, Tokarski, C., Bray, F., Hérisson, D., 2018. *Caours. Rapport triennal de fouille programmée 2015-2107*. Ministère de la Culture et de la Communication, 148 p.
- C5. **Terlato, G.**, **Bocherens, H.**, Romandini, M., Nannini, N., Hobson, K.A., Peresani, M., 2018. Extinction and paleoecology of the Late Pleistocene cave bear from northeastern Italy: Radiocarbon and stable isotope evidence. *Alpine and Mediterranean Quaternary* 31: 98-103.
- C6. Díaz-Zorita Bonilla, M., Knudson, K.J., Escudero Carrillo, J., **Bocherens, H.**, García Sanjuán, L., 2017. Mobility patterns and paleodietary insights into humans and cattle at the copper age mega-site of Valencia (Seville, Spain) through  $\delta^{18}\text{O}$  and  $\delta^{13}\text{C}$  isotope analyses. *Menga, Revista de Prehistoria de Andalucía* 8: 52-68.
- C7. Koehler, H., Wegmüller, F., Audiard, B., Auguste, P., Bahain, J.J., **Bocherens, H.**, Diemers, S., Preusser, F., Pümpin, C., Sévêque, N., Stoetzel, E., Wuscher, P., 2017. Stratigraphie et occupations néandertaliennes du Début Glaciaire de l'abri-sous-roche de Mutzig-Rain (Alsace, France). In: (Wuscher, P., Moine, O., Eds) *Le Quaternaire du Rhin supérieur (France, Allemagne, Suisse)*. Livret guide de l'excursion AFEQ-CNG-INQUA, Sélestat, pp. 28-32.
- C8. Balsera, V., Díaz-del-Río, P., Diaz-Zorita, M., **Bocherens, H.**, Waterman, A., Thomas, J., Peate, D., Martinez Navarrete, M.I., 2016. El Acequión: Paleodieta y movilidad humana durante la Edad del Bronce en La Mancha. In: (Parras B.G. & Gamo R.S., Eds) *Actas de la I Reunión Científica de Arqueología de Albacete*, Instituto de Estudios Albacetenses "Don Juan Manuel" excma, diptuación de Albacete. Serie III Congresos, seminarios, exposiciones y homenajes, Número 16, pp. 331-343.
- C9. Schnitzler, A., Arbogast, R.-M., **Bocherens, H.**, Drucker, D., Duchiron, M.-S., Granado, J., Putelat, O., Salzburger, W., Eberhard, A., Schmutz, A., Schlumbaum, A., 2016. *Approche écologique et historique du cerf dans le Massif Vosgien*. ISBN 978-2-85712-075-9, 56p.
- C10. Matzerath, S., Turner, E., Fischer, P., van der Plicht, J., **Bocherens, H.**, **Wißing, C.**, Kels, K., 2013. Interdisziplinäre Forschungen zu eiszeitlichen Großsäugern aus der Ziegeleigrube Coenen. *Archäologie im Rheinland 2012*, Theiss, pp. 67-69.
- C11. Delsate, D., Beauthier, J.-P., **Bocherens, H.**, Lefèvre P., Lens, V., 2012. Ours ou Humain du Paléolithique supérieur du Mullerthal (Grand-Duché de Luxembourg), avec commentaires sur la vascularisation méningée de l'os pariétal et la paléonutrition. *Bull. Soc. Préhist. Luxembourgeoise* 34: 7-29.
- C12. Blant, M., **Bocherens, H.**, Bochud, M., Braillard, L., Constandache, M., Jutzet, J.-M., 2010. Le gisement à faune Würmienne du Bärenloch (Préalpes fribourgeoises). *Bulletin de la Société fribourgeoise des sciences naturelles SFSN* 99: 1-22.
- C13. Drucker, D., **Bocherens, H.** 2010. Analyses isotopiques du carbone ( $^{13}\text{C}$ ) du collagène des restes de faune de Reute-Schorrenried. In: *Fundberichte aus Baden-Württemberg*. 31, pp. 89-95.
- C14. **Bocherens, H.**, Conard, N.J., Germonpré, M., Hofreiter, M., Münzel, S.C., Stephan, E., Tütken, T. 2007. Isotopic biogeochemistry and the evolution of cave bear ecology during Marine Oxygen Isotopic Stage 3 in Western and Central Europe. *Scripta Fac. Sci. Nat. Univ. Masaryk. Brun* 35: 103-106.
- C15. Münzel, S.C., Hofreiter, M., Rabeder, G., **Bocherens, H.**, Uerpmann, H.P., Conard, N.J. 2007. Correlating genetic results for the replacement of cave bears at 28,000 B.P. from the Ach Valley (Swabian Jura) with metrical and morphological data. *Scripta Fac. Sci. Nat. Univ. Masaryk. Brun* 35: 123-128.
- C16. **Bocherens, H.** 2006. Isòtops estables de carboni i nitrogen i paleo-alimentacions humanes : aplicació a les poblacions Neandertals. Invited contribution for *Cota Zero* 21: 47-53.
- C17. Michel, V., **Bocherens, H.**, Valoch, K., Yokoyama, Y. 2006. La grotte Külna : analyses physico-chimique et radiométrique des os et dentines de grands mammifères des niveaux du Paléolithique moyen. *Archeosciences, Revue d'Archéométrie* 30: 137-142.
- C18. Cassaing, J., **Derré, C.**, Moussa, I., Parghentanian, T., **Bocherens, H.**, Cheylan, G. 2005. Le régime alimentaire du rat noir *Rattus rattus* dans les îles d'Hyères analysé par la biochimie isotopique et les contenus stomacaux. *Sci. Rep. Port-Cros natl. Park, Fr.* 21: 89-115.
- C19. **Bocherens, H.** 2004. The appearance of  $\text{C}_4$ -plants 8 million years ago. Contribution of natural carbon isotopic tracking in fossil mammals. Invited contribution for the *French ESSP Newsletter* 16: 55-60.

- C20. Simone, S., Baïssas, P., Barral, L., Bischoff, J. L., **Bocherens, H.**, Bonifay, M.-F., Bussière, J.-F., Chaline, J., Courant, F., Falguères, C., Hennig, G. J., Lécalle, F., Ledru, M.-P., Lumley, M.-A. de, Simon, P., Zany, D. 2002. Assessment of the researches about the Middle Pleistocene of Aldène Cave (Cesseras, Hérault, France). *Bulletin du Musée d'Anthropologie et de Préhistoire, Monaco* 42: 15-21.
- C21. Iacumin, P., **Bocherens, H.**, Chaix, L. 2001. C and N stable isotope ratios of fossil cattle keratin horn from Kerma (Sudan): A record of dietary changes. *Il Quaternario, Italian Journal of International Science* 14(1): 41-46.
- C22. **Bocherens, H.**, Mashkour, M., Billiou, D. 2000. Palaeoenvironmental and archaeological implications of isotopic analyses ( $^{13}\text{C}$ ,  $^{15}\text{N}$ ) from Neolithic to Present in Qazvin Plain (Iran). *Environmental Archaeology* 5: 1-19.
- C23. Balasse, M., Tresset, A., **Bocherens, H.**, Mariotti, A., Vigne, J.-D. 2000. Un abattage "post-lactation" sur des bovins (*Bos taurus*) néolithiques. Étude isotopique des restes osseux du site de Bercy (Paris). *Ibex Journal of Mountain Ecology* (N°5) & *Anthropozoologica* (N°31): 39-48.
- C24. Drucker, D., **Bocherens, H.**, Cleyet-Merle, J.-J., Madelaine S., Mariotti A. 2000. Implications paléoenvironnementales de l'étude isotopique ( $^{13}\text{C}$ ,  $^{15}\text{N}$ ) de la faune de grands mammifères des Jamblancs (Dordogne, France). *Paléo* 12: 29-53.
- C25. Nguyen, Tu T. T., Derenne, S., Largeau, C., Pons, D., Broutin, J., Mariotti, A., **Bocherens, H.** 2000. Les lipides des plantes fossiles dans leur rapport avec les plantes actuelles. Exemples des paléoflores cénomaniennes d'Anjou et de Bohême. Invited contribution for the *Comptes Rendus de la Société de Biologie* 194(2): 57-64.
- C26. **Bocherens, H.** 1999. Isotopes stables et reconstitution du régime alimentaire des hominidés fossiles: une revue. Invited contribution for the *Bulletins et Mémoires de la Société d'Anthropologie de Paris* 11(3/4): 261-287.
- C27. Drucker, D., **Bocherens, H.**, Mariotti, A., Lévêque, F., Vandermeersch, B., Guadelli, J. L. 1999. Conservation des signatures isotopiques du collagène d'os et de dents du Pléistocène Supérieur (Saint-Césaire, France): implications pour les reconstitutions des régimes alimentaires des Néandertaliens. *Bulletins et Mémoires de la Société d'Anthropologie de Paris* 11(3/4): 289-305.
- C28. **Bocherens, H.** 1997. Isotopic biogeochemistry as a marker of Neandertal's diet. Invited contribution for *Anthropologische Anzeiger* 55(2): 101-120.
- C29. **Bocherens, H.** 1997. Signatures isotopiques dans le collagène des os anciens. Invited contribution for *Comptes Rendus de la Société de Biologie* 191: 1-18.
- C30. **Bocherens, H.**, Grupe, G., Mariotti, A., Turban-Just, S. 1997. Molecular and isotopic preservation of mesolithic human finds from the Ofnet Cave (Bavaria, Germany). *Anthropologische Anzeiger* 55(2): 121-129.
- C31. Wiedemann, F. & **Bocherens, H.** 1997. Spurenelement- und Isotopenanalyse in archäologischem Knochen im Vergleich (am Beispiel der mittelalterlichen Skellettsérie von Weingarten, Deutschland). *Anthropologische Anzeiger* 55(2): 147-154.
- C32. **Bocherens, H.**, Fizet, M., Mariotti, A., Billiou, D., Bellon, G., Borel, J.-P., Simone, S. 1991. Biogéochimie isotopique ( $^{13}\text{C}$ ,  $^{15}\text{N}$ ,  $^{18}\text{O}$ ) et Paléoécologie des ours pléistocènes de la grotte d'Aldène (Cesseras, Hérault). *Bulletin du Musée d'Anthropologie et de Préhistoire, Monaco* 31: 29-49.
- C33. **Bocherens, H.**, Fizet, M., Mariotti, A., Olive, C., Bellon, G., Billiou, D. 1991. Application de la biogéochimie isotopique ( $^{13}\text{C}$ ,  $^{15}\text{N}$ ) à la détermination du régime alimentaire des populations humaines et animales durant les périodes antique et médiévale. *Archives des Sciences de Genève* 44(3): 329-340.



#### D. Book Chapters:

- D1. Germonpré, M., Láznickova-Galetova, M., Sablin, M., **Bocherens, H.**, 2020. 7. Could incipient dogs have enhanced differential access to resources among Upper Palaeolithic hunter-gatherers in Europe? In: (L. Moreau, ed.), *Social Inequality before farming? Multidisciplinary approaches to the investigation of egalitarian and non-egalitarian social relationships in prehistoric and extant hunter-gatherer societies*, McDonald institute of Archaeology, Cambridge, e-book with open access, pp. 179-200.
- D2. **Bocherens, H.**, Pacher, M., 2019. Chapter 14. Isotopic analysis of cave bear collagen in Medvedia Cave (Slovakia). In: (M. Sabol & G. Rabeder, Eds.) *Medvedia Jaskyna Cave in the Slovensky raj Mts. Paleontological research 2007-2009I*, pp. 220-227.
- D3. **Bocherens, H.**, Drucker, D.G., Rivals, F. 2018. L'alimentation et l'environnement (micro-usure et isotopes) des mammouths et elephants du Pléistocène. In: *Catalogue de l'exposition "Mémoires de Mammouths"*, Musée national de Préhistoire Les Eyzies-de-Tayac, pp. 35-39.
- D4. **Bocherens, H.** 2015. Keratinisotopie – Antworten zu Lebensraum und Ernährung. in: (A. Wiczorek & W. Rosendahl, Eds) *Mumien – Der Traum vom ewigen Leben*, Publikationen der Reiss-Engelhorn-Museen, Band 24, Verlag Philipp von Zabern, Mainz am Rhein, 2<sup>nd</sup> edition, pp. 244-248.
- D5. **Bocherens, H.**, Drucker, D. G. 2013. Terrestrial teeth and bones. in: (S.A. Elias, Ed.) *Encyclopedia of Quaternary Sciences, 2<sup>nd</sup> Edition* vol. 1, pp. 304-314, Amsterdam: Elsevier.
- D6. Drucker, D.G., **Bocherens, H.**, 2013. Reconstitution de l'alimentation des coptes d'Antinoë par les analyses d'isotopes stables du carbone, de l'azote et du soufre de la kératine de cheveux de momies. In: (Y. Lintz & M. Coudert, eds) *Collections Egyptiennes d'Antinoë (momies, tissus, céramiques et autres antiques). Envois de l'Etat et dépôts du musée du Louvre (1895-1925)*, pp. 82-85.
- D7. **Bocherens, H.** 2010. Isotopic Analysis of Keratin—Information about Living Environment and Nutrition. in: (A. Wiczorek, M. Tellenbach & W. Rosendahl, Eds) *Mummies – The dream of eternal life*, pp. 232-235.
- D8. **Bocherens, H.** 2009. Sage mir, was du isst ... Verräterische Isotope. In: (B. Theune-Großkopf & N. Conard, Eds) *Eiszeit Kunst und Kultur* Archäologisches Landesmuseum Baden-Württemberg, Konstanz, Thorbecke p. 212.
- D9. Drucker, D. G., **Bocherens, H.** 2009. Carbon stable isotopes of mammal bones as tracers of canopy development and habitat use in temperate and boreal contexts. In: (J.D. Creighton & P.J. Roney, ed.) *Forest Canopies: Forest Production, Ecosystem Health, and Climate Conditions* Nova Science Publishers, Inc. ISBN 978-1-60741-457-5, pp. 103-109.
- D10. **Bocherens, H.** 2007. Keratinisotopie – Antworten zu Lebensraum und Ernährung. in: (A. Wiczorek, M. Tellenbach & W. Rosendahl, Eds) *Mumien – Der Traum vom ewigen Leben*, Publikationen der Reiss-Engelhorn-Museen, Band 24, Verlag Philipp von Zabern, Mainz am Rhein, pp. 234-238.
- D11. **Bocherens, H.**, Drucker, D. G. 2007. Stable isotopes in terrestrial teeth and bones. in: (S. Elias, Ed.) *Encyclopedia of Quaternary Sciences*, Elsevier, pp. 309-316.
- D12. **Bocherens, H.**, Drucker, D. 2005. Biogéochimie isotopique et reconstitution de l'alimentation des humains anciens et des hominidés fossiles. in: (O. Dutour, J.-J. Hublin & B. Vandermeersch, Eds) *Objets et méthodes en Paléanthropologie*, CTHS, Paris, pp. 343-361.
- D13. **Bocherens, H.**, Mariotti, A. 2002. Paléoenvironnements et paléoalimentations: biogéochimie isotopique des vertébrés. In: *Géologie de la Préhistoire*. J.-C. Miskowski Ed., GEOPRE, Presses Universitaires de Perpignan, pp. 1323-1344.
- D14. **Bocherens, H.** 2000. L'alimentation des hommes préhistoriques reconstituée grâce à la géochimie des ossements. *La science au présent 2001* Encyclopedia Universalis, pp. 188-192.
- D15. **Bocherens, H.**, Mariotti, A. 1999. Carbon stable isotope analysis of fossil plants. In: *Fossil plants and spores: modern techniques*, T.P. Jones & N.P. Rowe Eds, Geological Society, London, pp. 139-142.
- D16. **Bocherens, H.** 1997. Chemical composition of dinosaur fossils. In: *Encyclopedia of Dinosaurs*, K. Padian & P. J. Currie Eds, Academic Press, pp. 111-117.
- D17. **Bocherens, H.** 1996. Détermination du régime alimentaire des Néandertaliens. In: *Neandertal*, D. Bonjean Ed., ASBL Archéologie Andennaise, pp. 205-210.
- D18. Mariotti, A., **Bocherens, H.** 1994. Carnivore ou herbivore. In: *Les chasseurs de la Préhistoire*, collection "les éclats du Passé", Editions Errance, pp. 89-102.

## E. Technical Reports, Popular Articles:

- E1 Hohberg, K., Gan, H.Y., Miranda, T., Schneider, C., Magss-Kölling, G., Marais, E., Lehmitz, R., **Bocherens, H.**, Ebner, M., 2023. Nebel Pflanzen Oasen. *Senckenberg / Natur-Forschung-Museum* 153(7-9): 110-121.
- E2 Koehler, H., Wegmüller, F., Audiard, B., Beauval, C., **Bocherens, H.**, Claud, E., Diemer, S., Drucker, D., Elalouf, J.M., Gavazzi, B., Lutz, M., Moreau, G., Qazi, M., Reiller, H., Sévêque, N., Smolderen, E., Stoetzel, E., Utge, J., Wuscher, P., Zhang, M., 2020. *Mutzig, Bas-Rhin, "Rain", boulevard Clémenceau. Rapport de fouille programmée triennale 2017-2019*. Code INSEE: 67313.
- E3 Meleg, I.N., Naito, Y.I., **Bocherens, H.**, 2020. Herbivory in Carnivora: the case of emblematic cave bears. *Behind the article (Nature Research)* <https://natureecoevocommunity.nature.com/channels/521-behind-the-paper/posts/65631-herbivory-in-carnivora-the-case-of-emblematic-cave-bears> .
- E4 Uhl, D., **Bocherens, H.**, El Atfy, H., Havlik, P., Methner, K., Much, A., Solórzano Kraemer, M.M., 2020. Die Umwelt zu Edmonds Lebzeiten. *Senckenberg / Natur-Forschung-Museum* 150(4-6): 56-65.
- E5 **Bocherens, H.**, 2019. Der Beginn der Anthroposphäre. *Senckenberg 2018*: 22-25.
- E6 **Bocherens, H.**, 2019. Laudation: Dr. Frido Welker, twentieth recipient of the Tübingen Prize for Early Prehistory and Quaternary Ecology. *Mitteilungen der Gesellschaft für Urgeschichte* 27: 219-222.
- E7 Germonpré, M., **Bocherens, H.**, Lázníčková-Galetova, M., Sablin, M.V., 2019. La relation de l'homme au loup pendant le Paléolithique. *Contes & Légendes* 13: 38-41.
- E8 Koehler, H., Wegmüller, F., Auguste, P., Bahain, J.-J., Beauval, C., **Bocherens, H.**, Diemer, S., Drucker, D., Falguère, C., Lutz, M., Muth, M., Richard, H., Sévêque, N., Stoetzel, E., Tomberet, O., Vigneron, A., Villa, V., Wuscher, P., 2016. *Mutzig, Bas-Rhin, "Rain", boulevard Clémenceau. Rapport de fouille programmée triennale 2014-2016*. N° d'opération: 016601, Code INSEE: 67313.
- E9 Schneider, M., Drucker, D., Buuveibaatar, B., **Bocherens, H.**, 2015. Tracking saiga horns to the population of their origin with stable isotopes. *Saiga News* 19: 21-23.
- E10 **Bocherens, H.**, Drucker, D.G., Wißing, C., 2014. Die Mammutsteppe. Isotopenuntersuchungen in einem vergangenen Ökosystem. *Natur – Forschung – Museum* 144(7/8): 226-231.
- E11 Cupillard, C., **Bocherens, H.**, Cailhol, D., Drucker, D., Krause, J., et al. 2014. Des derniers néandertaliens aux premiers agriculteurs dans le massif du Jura et ses marges. *Première année, Service Régional de l'Archéologie de Franche-Comté et Laboratoire de Chrono-environnement*, pp.61.
- E12 Koehler, H., Webmüller, F., Auguste, P., Bahain, J.-J., **Bocherens, H.**, Diemer, S., Drucker, D., Lutz, M., Sévêque, N., Vigneron, A., Wuscher, P., 2014. *Mutzig, Bas-Rhin, "Rain" 25, boulevard Clémenceau. Un gisement du Paléolithique moyen. Campagne de 2014. Rapport intermédiaire du programme triennal 2014-2016*. N° d'opération: 6237, Code INSEE: 67313.
- E13 Raynal, J.P., Moncel. M.-H., Argant, A., Aulanier, M., Bahain, J.-J., Banks, W., Bearez, P., Bernard-Guelle, S., Bindon, P., Biasco, R., **Bocherens, H.**, Brochard, S., Chacon Navarro, G., Chomette, J., Courty, M.-A., Crégut-Bonnoure, É., Daujeard, C., Defive, E., Delvigne, V., Desclaux, E., Ecker, M., Falguères, C., Fernandes, P., Fiore, I., Foury, Y., Gallotti, R., Guadelli, J.-L., Hardy, B., Lafarge, A., Lateur, N., Lebon, M., Le Corre, M., Le Pape, J.-M., Liabeuf, R., Manzano, A., Marcq, G., La Porta, A.O., Piboule, M., Puaud, S., Queffelec, A., Richard, M., Rivals, F., Roger, T., Rué, M., Rufa, M., Santagata, C., Servant, L., Tallet, P., Wragg-Sykes, R. 2013. Programme Collectif de Recherche "Espaces et subsistance au Paléolithique moyen dans le sud du Massif central". *Opération archéologique n° 7413, acte n° 2014-142 Projet collectif de recherche triennal 2014-2016 – année 1, Volume 1*, Ministère de la Culture et de la Communication - DRAC Auvergne. 2014, 79 p.
- E14 Raynal, J.P., Moncel. M.-H., Daujeard, C., Argant, A., Bahain, J.-J., Banks, W., Bearez, P., **Bocherens, H.**, Chacon Navarro, G., Courty, M.-A., Crégut-Bonnoure, É., Debar, É., Delvigne, V., Desclaux, E., Ecker, M., Falguères, C., Fernandes, P., Fiore, I., Foury, Y., Gallotti, R., Guadelli, J.-L., Hardy, B., Lafarge, A., La Porta, A.O., Lateur, N., Lebon, M., Le Corre, M., Lepape, J.-M., Liabeuf, R., Manzano, A., Marcq, G., Piboule, M., Pike-Tay, A., Puaud, S., Queffelec, A., Richard, M., Rivals, F., Santagata, C., Sakai, S., Save, S., Servant, L., Roger, T., Rué, M., Wang, N., Wragg Sykes, R. 2013. Néanderthaliens sur les marges sud-est du Massif central. Espaces et subsistance au Paléolithique moyen. Nouvelles données dans le cadre d'un projet collectif de recherche. *Ardèche Archéologie*, 30: 4-14.
- E15 Zell, C., Beck, T., **Bocherens, H.**, Sedlbauer, K. 2011. Betrachtung der biogenen Kohlenstoffbindung im Rahmen von Ökobilanzen. LBP-Mitteilung, Universität Stuttgart, Lehrstuhl für Bauphysik, 12, 1-2. [http://www.lbp.uni-stuttgart.de/download/LBP-Mitteilung\\_12-2011\\_Kohlenstoffbindung.pdf](http://www.lbp.uni-stuttgart.de/download/LBP-Mitteilung_12-2011_Kohlenstoffbindung.pdf)
- E16 **Bocherens, H.** & Drucker, D. 2007. Le mode d'alimentation des Néandertaliens, analyses biochimiques. In: *Visiter le Paléosite*, Editions Sud-Ouest, p.28
- E17 **Bocherens, H.** 2003. Biogéochimie isotopique et archéozoologie à l'ICAZ 2002 (23-28 août 2002, Durham, R-U). *Bulletin de la Société préhistorique française*, 110(1): 197.
- E18 **Bocherens, H.** 2002. Les documents taxidermiques: un support pour la biogéochimie isotopique appliquée à l'écologie et la paléoécologie. *La Lettre de l'OCIM*, Hors-série décembre 2002 "taxidermie": 51.
- E19 **Bocherens, H.** 2001. Protein de muy larga vida. *Mundo Científico*, 226: 10-11.

- E20 **Bocherens, H.** 2001. Des protéines longue durée. *La Recherche* 342: 20-21.
- E21 **Bocherens, H.** 2001. Que mangent les vaches? *Pour la Science* 282: 16.
- E22 **Bocherens, H.** 1999. Le régime alimentaire des Néandertaliens. *Dossier Hors-Série Pour la Science "Les origines de l'humanité"*, 91.
- E23 Nguyen Tu, T. T., **Bocherens, H.** 1999. La résistance des ginkgos. *Pour la Science* 259: 23-24.
- E24 **Bocherens, H.** 1998. Le menu de l'ours, l'ours à face courte était carnivore. *Pour la Science* 244: 27-28.
- E25 **Bocherens, H.**, Denys, C. 1997. Third International Conference on bone diagenesis *Bulletin de la Société géologique de France*, 168(4): 483.
- E26 **Bocherens, H.**, Mariotti, A. 1994. Défenses isotopiques, pour distinguer ivoire de mammoth et ivoire d'éléphant. *Pour la Science* 202: 18-20.
- E27 **Bocherens, H.** 1991. Poissy au fil du temps... depuis 80 millions d'années. *Chronos* 23: 6-14.
- E28 **Bocherens, H.**, Bullit, R. 1991. Quelques traces des hommes préhistoriques à Poissy (1<sup>ère</sup> partie). *Chronos* 23: 22-25.
- E29 **Bocherens, H.**, Bullit, R. 1991. Quelques traces des hommes préhistoriques à Poissy (2<sup>ème</sup> partie). *Chronos* 24: 26-30.
- E30 **Bocherens, H.**, Létolle, R. 1991. L'eau potable à Poissy. *Chronos* 23: 26-30.
- E31 **Bocherens, H.** 1986. Les dinosaures. *Chronos* 15: 6-9.

## F. Conference Abstracts:

2023

- F1 Bergström, A., Furtwängler, A., Rosengren, E., Breidenstein, A., Booth, T., Johnston, S., McCabe, J., Peto, J., Williams, M., Kelly, M., Anastasiadou, K., Gillardet, A., Glocke, I., Herbig, A., Prüfer, K., Pfrengle, S., Gretzinger, J., Feuerborn, T.R., Reiter, E., Baumann, C., **Bocherens, H.**, Münzel, S.C., Schuenemann, V.J., Krause, J., Skoglund, P., 2023. The genetic identity of Europe's first dogs. *ISBA, Tartu Estonia. Abstract Book*. p63.
- F2 Drucker, D.G., Krajcarz, M., Krajcarz, M., Hofman-Kaminska, E., Kowalczyk, R., Baumann, C., **Bocherens, H.**, 2023. New determination of C, N, O and S stable isotopes trophic enrichment factors in bone collagen and apatite of carnivorous mammals from Bialowieza Forest (Poland), *ISBA, Tartu Estonia. Abstract Book*. p58.
- F3 Krajcarz M, Krajcarz MT, **Bocherens H** 2023. Advances in single amino acid nitrogen isotopic analysis of carnivore trophic position. *10<sup>th</sup> Symposium of the ISBA*, 13-16.09.2023, Tartu, Estonia 2023; p 180. <https://isba10.ut.ee/>

2022

- F4 Baumann, C., Drucker, D.G., Tung, P., Conard, N.J., **Bocherens, H.**, 2022. Foxes as proxy for human activities in the past: Isotopic evidence from Southwest Germany. *12<sup>th</sup> ESHE conference, Tübingen, Germany, September 21-25, 2022. Book of Abstracts. PaleoAnthropology 2022:2* p430. <https://paleoanthropology.org/ojs/index.php/paleo/article/view/809/777>
- F5 Baumann, C., Hussain, S.T., **Bocherens, H.**, 2022. Tracking synanthropic behavior in the deep past: Late Pleistocene foxes and ravens from Central Europe. *12<sup>th</sup> International Conference on the Application of Stable Isotope Techniques to Ecological Studies, Gaming, Austria June 6-10, 2022. Scientific Program, Events and Book of Abstracts*. p41. [https://drive.google.com/file/d/1Hs7UAF49xjHEJXnjEUIPYTUoZ-rS-s\\_1/view](https://drive.google.com/file/d/1Hs7UAF49xjHEJXnjEUIPYTUoZ-rS-s_1/view)
- F6 Briatico, G., **Bocherens, H.**, Panera, J., Méndez-Quintas, E., Jara, S.R., Domínguez, A.S., Piarulli, F., Barboni, D., Bonnefille, R., Velis, R.T., Mussi, M., 2022. Palaeoenvironmental reconstruction at Simbiro III (~1.3 Ma) (Melka Kunture, Upper Awash, Ethiopia) using stable isotopes. *IX Seminario della Scuola di Dottorato in Archeologia, Sapienza Università di Roma, book of abstracts*. pp 1-2.
- F7 Drucker, D.G., Baumann, C., Tung, P., Posth, C., Harvati, K., Conard, N.J., **Bocherens, H.**, 2022. Mammoth, fish, and cannibalism: stable isotope insights into the diet of late Upper Palaeolithic hunter-gatherers in Southwest Germany. *12<sup>th</sup> ESHE conference, Tübingen, Germany, September 21-25, 2022. Book of Abstracts. PaleoAnthropology 2022:2* p465. <https://paleoanthropology.org/ojs/index.php/paleo/article/view/809/777>
- F8 Habinger, S.G., Chavasseau, O., Chaimanee, Y., Jaeger, J.-J., Soe, A.N., Sein, C., **Bocherens, H.**, 2022. Isotopic niche modelling of an Eocene mammal fauna from Southeast Asia. *12<sup>th</sup> International Conference on the Application of Stable Isotope Techniques to Ecological Studies, Gaming, Austria June 6-10, 2022. Scientific Program, Events and Book of Abstracts*. p74. [https://drive.google.com/file/d/1Hs7UAF49xjHEJXnjEUIPYTUoZ-rS-s\\_1/view](https://drive.google.com/file/d/1Hs7UAF49xjHEJXnjEUIPYTUoZ-rS-s_1/view)
- F9 Habinger, S.G., Chavasseau, O., Chaimanee, Y., Jaeger, J.-J., Soe, A.N., Sein, C., **Bocherens, H.**, 2022. Evolutionary ecology of Miocene hominoid primates in Southeast Asia. *IPC6 Thailand, From Gondwana to Laurasia, the 6<sup>th</sup> International Palaeontological Congress, Abstract book*, p233. <https://drive.google.com/file/d/1avE3gN4yL9ulz6Vf0BGE7mYjLdhBIR8C/view>
- F10 Habinger, S.G., Chavasseau, O., Ducrocq, S., Chaimanee, Y., Jaeger, J.-J., Soe, A.N., Sein, C., **Bocherens, H.**, 2022. Palaeoecology and isotopic niche modelling of the late Middle Eocene mammal fauna from the Pondaung Fm. (Myanmar). *IPC6 Thailand, From Gondwana to Laurasia, the 6<sup>th</sup> International Palaeontological Congress, Abstract book*, p435. <https://drive.google.com/file/d/1avE3gN4yL9ulz6Vf0BGE7mYjLdhBIR8C/view>
- F11 Hussain, S.T., Baumann, C., Roblickova, M., Mannino, M., **Bocherens, H.**, 2022. First evidence for corvid synanthropism in the Mid Upper Palaeolithic of East-Central Europe. *12<sup>th</sup> ESHE conference, Tübingen, Germany, September 21-25, 2022. Book of Abstracts. PaleoAnthropology 2022:2* p504. <https://paleoanthropology.org/ojs/index.php/paleo/article/view/809/777>
- F12 Jiménez-Arenas, J.M., Saarinen, J., **Bocherens, H.**, Sánchez-Bandera, C., Ochando, J., Solano-García, J.A., Agustí, J., Azanza, B., Cámara, J., Courtenay, L.A., DeMiguel, D., Egúez, N., Fagoaga, A., García-Alix, A., Gutierrez-Rodríguez, M., Herranz-Rodrigo, D., Jiménez-Espejo, F., Kaakinen, A., Lozano, I., Luzón, C., Mallol, C., Martínez, A., Montilla, E., Oksanen, O., Oms Llobet, O., Piñero, P., Reinoso-Gordo, J.F., Rodríguez-Alba, J.J., Ruiz-Domínguez, A., Serrano-Ramos, A., Sanzi, R., Tallavaara, M., Titton, S., Viranta, S., Yravedra, J., Zliobaite, I., Barsky, D., Blain, H.A., Carrión, J., Fortelius, M., 2022. Savanna or not savanna., that is the question: a view from the Guadix-Baza Basin (Spain). *2022 EAAPP Conference Abstracts Book*, p. 30-31. <https://drive.google.com/file/d/1AgJ6VuygOrbufviCrvV1FSstmC8gxxNP/view>
- F13 Kremmer, A., **Bocherens, H.**, 2022. Living through times of political unrest: Examining living conditions in Luxembourg City through osteological and bioarchaeological analyses. *28<sup>th</sup> EAA Annual meeting Budapest, Hungary, Abstract Book*. pp.396-397. <https://www.e-a->

[a.org/EEA2022/Programme.aspx?WebsiteKey=13a70299-9cf2-4cc8-98c2-2862c5c6a8dd&hkey=01dc47f6-68bd-4d87-bcdf-183a7eb484d2&Program=3#Program](http://a.org/EEA2022/Programme.aspx?WebsiteKey=13a70299-9cf2-4cc8-98c2-2862c5c6a8dd&hkey=01dc47f6-68bd-4d87-bcdf-183a7eb484d2&Program=3#Program)

- F14 Kremmer, A., **Bocherens, H.**, Wahl, J., 2022. A multiproxy approach to reconstructing weaning age in Medieval-Postmedieval Luxembourg City. *23<sup>rd</sup> Paleopathology Association European Meeting, Vilnius, Lithuania, Abstract Book*. p.93. <https://www.journals.vu.lt/proceedings/article/view/28579/27811>
- F15 Rivals, F., Bocherens, H., Camarós, E., Rosell, J., 2022. Interactions among Neanderthals, herbivores and carnivores: diet and ecological relationships in the Middle and Late Pleistocene. *23<sup>rd</sup> Paleopathology Association European Meeting, Vilnius, Lithuania, Abstract Book*. p.602. <https://www.journals.vu.lt/proceedings/article/view/28579/27811>
- F16 Roditi, E., **Bocherens, H.**, Konidaris, G.E., Athanassiou, A., Tourloukis, V., Panagopoulou, E., Harvati, K., 2022. The paleoecology of the straight-tusked elephant (*Palaeoloxodon antiquus*) from the Middle Pleistocene locality Marathousa 1 (Greece) inferred from carbon and oxygen stable isotope analysis. 12<sup>th</sup> ESHE conference, *Tübingen, Germany, September 21-25, 2022. Book of Abstracts*. *PaleoAnthropology 2022:2* p570. <https://paleoanthropology.org/ojs/index.php/paleo/article/view/809/777>
- F17 Roditi, E., **Bocherens, H.**, Konidaris, G.E., Athanassiou, A., Tourloukis, V., Panagopoulou, E., Harvati, K., 2022. Stable isotope dietary reconstruction and ecology of the straight-tusked elephant (*Palaeoloxodon antiquus*) from the Middle Pleistocene Marathousa 1 (Peloponnes, Greece). *Closing symposium ERC Consolidator Grant "Human Evolution at the crossroads", Tübingen, book of abstracts*. pp 61-62.
- F18 Suraprasit, K., Isarankura Na Ayudya, J., Merceron, G., Jaeger, J.J., Chaimanee, Y., Shoocongdej, R., Wattanapitaksakul, A., Bocherens, H., 2022 Integrating stable carbon isotope and dental microwear analyses reveals dietary and habitat changes among Quaternary Southeast Asian gorals and serows. *IPC6 Thailand, From Gondwana to Laurasia, the 6<sup>th</sup> International Palaeontological Congress, Abstract book*, p.232. <https://drive.google.com/file/d/1avE3gN4yL9ulz6Vf0BGE7mYjLdhBIR8C/view>

## 2021

- F19 Baumann, C., Conard, N.J., **Bocherens, H.**, 2021. Of humans and foxes: a very early commensal relationship? Isotopic evidence from southwestern Germany. *Covid Interlude 11.5 – Applications of stable isotopes techniques to Ecological Studies. Virtual Meeting. IsoEcol 2021*, p. 97.
- F20 Baumann, C., Pfrengle, S., Münzel, S.C., Thalmann, O., Molak, M., Breidenstein, A., Albrecht, G., Kind, C.-J., Conard, N.J., Drucker, D.G., Verjux, C., Leduc, C., Feuerborn, T., Reiter, E., Giemsch, L., Krause, J., **Bocherens, H.**, Schuenemann, V.J., 2021. Feeding Ice Age wolves: A “dietary” case study of large canids, 15,000 years ago. *Covid Interlude 11.5 – Applications of stable isotopes techniques to Ecological Studies. Virtual Meeting. IsoEcol 2021*, p. 98-99.
- F21 Baumann, C., Pfrengle, S., Münzel, S.C., Thalmann, O., Molak, M., Breidenstein, A., Albrecht, G., Kind, C.-J., Conard, N.J., Drucker, D.G., Verjux, C., Leduc, C., Feuerborn, T., Reiter, E., Giemsch, L., Krause, J., **Bocherens, H.**, Schuenemann, V.J., 2021. Feeding the wolves? A “dietary” case study of large canids in the Magdalenian cave site Gnirshöhle (Hegau Jura, SW-Germany). *62<sup>nd</sup> Annual Meeting of the Hugo Obermaier-Society in Brno (online), Conference Booklet*, p. 20.
- F22 **Bocherens, H.**, Drucker, D.G., 2021. Isotopic insights on the ecological interactions between humans and woolly mammoths during the Middle and Upper Palaeolithic in Europe. *VIII International Conference on Mammoths and their Relatives, Abstracts* p. 23.
- F23 **Bocherens, H.**, Drucker, D.G., Krajcarz, M., Naito, Y.I., Tung, P., 2021. Single compound nitrogen isotopic analysis: a new tool for paleodietary reconstructions. *3<sup>rd</sup> Palaeontological Virtual Conference, Book of abstracts*, p. 103.
- F24 **Bocherens, H.**, Drucker, D.G., Rougier, H., Wißing, C., 2021. Isotopic insights into human diet during the Gravettian across Europe. *62<sup>nd</sup> Annual Meeting of the Hugo Obermaier-Society in Brno (online), Conference Booklet*, p. 19.
- F25 **Bocherens, H.**, Drucker, D.G., Rougier, H., Wißing, C., 2021. Isotopic insights into human diet during the Gravettian across Europe. *62<sup>nd</sup> Annual Meeting of the Hugo Obermaier-Society in Brno (online), Conference Booklet*, p. 23.
- F26 **Bocherens, H.**, Gimranov, D., 2021. Palaeobiology of the small cave bears from Imanay Cave (Urals, Russia). *26<sup>th</sup> International Cave Symposium 2021, Abstract Book*, p. 9-10. [https://www.rem-mannheim.de/fileadmin/redakteure/Forschung/Eiszeit-Symposium/ICBS\\_2021\\_abstract\\_book.pdf](https://www.rem-mannheim.de/fileadmin/redakteure/Forschung/Eiszeit-Symposium/ICBS_2021_abstract_book.pdf)
- F27 Briatico, G., Barboni, D., **Bocherens, H.**, Bonnefille, R., Melis, R.T., Méndez-Quintas, E., Panera, J., Rubio-Jara, S., Domínguez, A.S., Mussi, M., 2021. Palaeoenvironmental insights by stable isotopes and phytoliths at Simbiro III Monumental Section (~1.2-1.3 Ma) (Melka Kunture, Upper Awash, Ethiopia). *ESHE 2021 Book of Abstracts*, p. 10. [https://eshe.eu/static/eshe/2021/ESHE\\_2021\\_Abstracts.pdf](https://eshe.eu/static/eshe/2021/ESHE_2021_Abstracts.pdf)
- F28 Briatico, G., **Bocherens, H.**, Mussi, M., 2021. The palaeoenvironment in the Ethiopian highland at ~1.6 Ma ago: evidence from stable isotope analysis at Garba IVD and Gombore IB (Melka Kunture, Upper Awash, Ethiopia). *XIXe congrès mondial UISPP, Meknès, 2-7 Septembre 2021*, sciencesconf.org:uispp2020:365919 <https://uispp2020.sciencesconf.org/365919/document>

- F29 Briatico, G., Mussi, M., **Bocherens, H.**, 2021. The Early and Middle Pleistocene paleoenvironments in the Ethiopian Highland: stable isotope analysis ( $^{13}\text{C}$ ,  $^{18}\text{O}$ ) of fossil animals from Melka Kunture archaeological site (Upper Awash Valley, Ethiopia). *Covid Interlude 11.5 – Applications of stable isotopes techniques to Ecological Studies. Virtual Meeting. IsoEcol 2021*, p. 101.
- F30 Habinger, S.G., Chavasseau, O., **Bocherens, H.**, 2021. Importance of multiproxy analysis in paleoecological reconstructions. *Covid Interlude 11.5 – Applications of stable isotopes techniques to Ecological Studies. Virtual Meeting. IsoEcol 2021*, p. 109.
- F31 Habinger, S.G., Chavasseau, O., **Bocherens, H.**, 2021. Paleocology of *Khoratpithecus ayeyarwadyensis*. Ecological niche modelling using stable isotopes *Palaeovertebrata*, special volume 1-2021, pp. 90. doi: 10.18563/pv.eavp2021
- F32 Ma, J., Wang, Y., Baryshnikov, G.F., Drucker, D.G., McGrath, K., Zhang, H., **Bocherens, H.**, Hu, Y., 2021. The Mammuthus-Coelodonta Faunal Complex at its southeastern limit: a biogeochemical paleoecology investigation in Northeast Asia. *VIII International Conference on Mammoths and their Relatives, Abstracts*, p.16.
- F33 Pfrengle, S., Baumann, C., Münzel, S.C., Thalmann, O., Molak, M., Breidenstein, A., Albrecht, G., Kind, C.-J., Conard, N.J., Drucker, D.G., Verjux, C., Leduc, C., Feuerborn, T., Reiter, E., Giemsch, L., Krause, J., **Bocherens, H.**, Schuenemann, V.J., 2021. Mitochondrial diversity and early stage of wolf domestication: The case study of Gnirshöhle (Hegau Jura, SW-Germany), a Magdalenian cave site. *62<sup>nd</sup> Annual Meeting of the Hugo Obermaier-Society in Brno (online), Conference Booklet*, p. 74.
- F34 Rey, R., **Bocherens, H.**, 2021. Friends with benefits: what proboscidean teeth reveal about hominin environments. *VIII International Conference on Mammoths and their Relatives, Abstracts* p. 88.
- F35 Suraprasit, K., **Bocherens, H.** 2021. Isotopic palaeoecology of Southeast Asian large mammals with implications for future species conservation plans. *3<sup>rd</sup> Palaeontological Virtual Conference, Book of abstracts*, p. 64.
- F36 Tung, P., **Bocherens, H.**, Drucker, D., Naito, Y.I., 2021. Unravelling the diet of extinct cave bears in Romania using  $\delta^{15}\text{N}$  isotopic analysis of amino acids. *ASI 2021 – Jahrestagung der Arbeitsgemeinschaft Stabile Isotope e.V.*, <https://www.conftool.net/asi2021/index.php?page=browseSessions&path=adminSessions&downloads=hide&presentations=show> .
- F37 Tung, P., Naito, Y.I., Drucker, D., **Bocherens, H.**, 2021. CSIA for  $\delta^{15}\text{N}$  in amino acids unravel herbivorous diet of extinct cave bears in Romania. *Covid Interlude 11.5 – Applications of stable isotopes techniques to Ecological Studies. Virtual Meeting. IsoEcol 2021*, p. 121-122.
- 2020**
- F38 **Bocherens, H.**, Blain, H.A., Fortelius, M., Saarinen, J., Sanchez Bandera, C., García-Solano, J.A., Barsky, D., Luzón, Jiménez Arenas, J.M., 2020. Palaeoenvironment of the earliest hominins in western Europe: the Guadix-Baza Basin. *EGU General Assembly 2020, Vienna 3-8 May 2020, Session SSP1.9*. <https://meetingorganizer.copernicus.org/EGU2020/EGU2020-5588.html>
- F39 **Bocherens, H.**, Blain, H.A., Fortelius, M., Saarinen, J., Tallavaara, M., Sanchez Bandera, C., García-Solano, J.A., Barsky, D., Luzón, Agustí, J., Oms, O., Jiménez Arenas, J.M., 2020. Out of Savannahstan: Multiproxy evidence on fauna (stable isotopes, ecometrics, tooth mesowear, small vertebrates) from the oldest hominin sites in southwestern Europe (Orce, Guadix-Baza Basin, Spain). *Abstracts European Society for the study of Human Evolution, September 2020*, p 16.
- F40 **Habinger, S.**, Chavasseau, O., Chaimanee, Y., Jaeger, J.-J., Naing Soe, A., Sein, C., **Stern, S.**, **Bocherens, H.**, 2020. Evolutionary ecology of fossil primates in southeast Asia. Results of two pilot studies. *2<sup>nd</sup> Palaeontological Virtual Congress, May 1<sup>st</sup>-15<sup>th</sup>, 2020, Book of Abstracts*, p. 172.
- F41 **Nickolaus, P.**, Markowska, M., Vonhof, H., **Bocherens, H.**, Martin, A., Zinaye, B., Fischer, M., Asrat, A., Junginger, A., 2020. Insights into the African Humid Period from fossil stromatolites and Etheria shells from the Chew Bahir Basin, southern Ethiopia. *EGU General Assembly 2020, Vienna 3-8 May 2020, Session SSP1.9*. <https://meetingorganizer.copernicus.org/EGU2020/EGU2020-18611.html>
- F42 Rougier, H., Crevecoeur, I., Posth, C., **Bocherens, H.**, Colombet, P., Flas, D., Krause, J., Semal, P., Wißing, C., 2020. New Neandertal fossils from Trou Magrite, Belgium, and their contribution to our understanding of Neandertal diversity. *American Journal of Physical Anthropology*, 171 suppl.69: 240.
- F43 Suraprasit, K., **Bocherens, H.**, 2020. Peninsular Thailand as a part of the Pleistocene savanna corridor: isotopic evidence of mammalian tooth enamel from the caves of Tham Phedan. *EGU General Assembly 2020, Vienna 3-8 May 2020, Session SSP1.9*. <https://meetingorganizer.copernicus.org/EGU2020/EGU2020-3401.html>
- 2019**
- F44 Arppe, L., **Bocherens, H.**, Drucker, D.G., Karhu, J.A., Vartanyan, S., 2019. The  $\delta^{13}\text{C}$  and  $\delta^{15}\text{N}$  record of the world's last woolly mammoths (*Mammuthus primigenius*): thriving or surviving? *20<sup>th</sup> Congress of the*

- International Union for Quaternary Research - abstracts*, P-1229.  
<https://app.oxfordabstracts.com/events/574/program-app/submission/92911>
- F45 Bauer, C. C., Gremonpré, M., Láznicková-Galetova, M., **Bocherens, H.**, 2019. Special treatment of large canids in the Upper Palaeolithic confirms a specific relationship to contemporary humans. *3<sup>rd</sup> Conference World of Gravettian Hunters – Abstracts, ISEA-PAS*: 3.
- F46 Baumann, C., Starkovich, B.M., Drucker, D.G., Münzel, S.C., Conard, N.J., **Bocherens, H.**, 2019. Isotopic and ecological niches of commensal and domestic Magdalenian canids. *61<sup>st</sup> Annual Meeting of the Hugo Obermaier-Society, Erkarth & Mettmann, Conference Booklet*, p. 15-16.
- F47 Belmaker, M., **Bocherens, H.**, Naito, Y., O'Brien, H.D., Wissing, C., Tamura, T., Kadowaki, S., 2019. Paleoenvironmental studies Tor Hamar, Southern Jordan: Early modern human behavioral adaptability during MIS 3. *American Journal of Physical Anthropology*, 168(supp.68): 16-17.
- F48 **Bocherens, H.**, 2019. Isotopic insights on the ecological interactions between humans and woolly mammoths during the Middle and Upper Palaeolithic in Europe. *Program and Abstracts, Human-Elephant interactions past to present, Hannover, 16-18 October 2019*: 10.
- F49 **Bocherens, H.**, Kowalczyk, R., 2019. Mammal paleoecology: implications for conservation and restoration. *Book of Abstracts, Borowski, Z. (Ed.), 8<sup>th</sup> European Congress of Mammalogy, Warsaw, 23-27 September 2019*: 109.
- F50 **Bocherens, H.**, Chaimanee, Y., Jaeger, J.-J., Soe, A.N., Sein, C., Chavasseau, O., 2019. Isotopic tracking of the paleoecology of Late Miocene Ponginae *Khoratpithecus*, *Sivapithecus*. *Proceedings of the European Society for the study of Human Evolution, Liège, September 2019*, 8: 22.
- F51 **Bocherens H.**, Maureille B., Royer A., Costamagno S., Beauval C., Rendu W., Garralda M. D., Vandermeersch B., Mann A., 2019. Neandertak stable Carbon and Nitrogen isotopes from the Quina Mousterian site of Les Pradelles (Charente, France). *Workshop on Dating, Isotopes and Human Evolution (DIHE) book of abstracts*. Griffith University, Australian Research Centre for Human Evolution (Brisbane, 26 septembre 2019): 23.
- F52 **Bocherens, H.**, Stern, S., Jaeger, J.-J., Chaimanee, Y., Soe, A.N., Sein, C., Chavasseau, O., 2019. Isotopic tracking of large ungulate ecology in Middle Eocene Pondaung Formation (Myanmar). *Program and abstracts, XVII Conference of the EAVP, Brussels, Belgium, 2-6 July 2019*: 17.  
[https://docs.wixstatic.com/ugd/4abdcd\\_5271c1cf7e1e4ef0aed3171befb0e1bd.pdf?index=true](https://docs.wixstatic.com/ugd/4abdcd_5271c1cf7e1e4ef0aed3171befb0e1bd.pdf?index=true)
- F53 Dantas, M., Cherkinsky, A., **Bocherens, H.**, 2019. Isotopic diet ( $\delta^{13}\text{C}$ ) in a mathematical mixing model: Refining the food resources that extinct large herbivores ate. *SVP 2019 Meeting Program*, p. 86.
- F54 Etu-Sihvola, H., **Bocherens, H.**, Drucker, D.G., Junno, A., Mannerman, K., Oinonen, M., Uusitalo, J., Arppe, L., 2019. The  $\delta\text{IANA}$  baseline database for the Baltic Sea region. *20<sup>th</sup> Congress of the International Union for Quaternary Research - abstracts*, P-4214. <https://app.oxfordabstracts.com/events/574/program-app/submission/90715>
- F55 Germonpré, M., **Bocherens, H.**, Láznicková-Galetová, M., Sablin, M., Wißing, C., 2019. Possible evidence of mammoths hunting during the Middle and Upper Palaeolithic. *Program and Abstracts, Human-Elephant interactions past to present, Hannover, 16-18 October 2019* : 19-20.
- F56 Gomes, V.S., **Bocherens, H.**, Campos, H.B.N., Dantas, M.A.T., 2019. Annual isotopic diet variation ( $\delta^{13}\text{C}$ ) of *Toxodon platensis* Owen 1837 (Notoungulata, Toxodontidae) from Paraiba, Northeastern Brazil. XXVI Congresso Brasileiro de Paleontologia, vol.2, 118637. <https://proceedings.science/cbp-2019/papers/annual-isotopic-diet-variation---13c--of--toxodon-platensis--owen--1837--notoungulata--toxodontidae--from--paraiba--nort>
- F57 Habinger, S., **Bocherens, H.**, Pigière, F., Dövenner, F., De Cupere, B., 2019. Camels in the Roman Empire: A new approach to the origin of camels using stable carbon and oxygen isotopes. *EAA 2019 Beyond Paradigms – Abstract Book*, 387-388. Video on YouTube: <https://www.youtube.com/watch?v=dMhZwn2Ki94>
- F58 Hofman-Kaminska, E., **Bocherens, H.**, Drucker, D.G., Fyfe, R.M., Guminski, W., Makowiecki, D., Pacher, M., Piliciauskiene, G., Smojlik, T., Woodbridge, J., Kowalczyk, R., 2019. Adapt or die: response of large herbivores to environmental changes in Europe during the Holocene. *Book of Abstracts, Borowski, Z. (Ed.), 8<sup>th</sup> European Congress of Mammalogy, Warsaw, 23-27 September 2019* : 110.
- F59 Naito, Y.I., Meleg, I.N., Vlaicu, M., Drucker, D.G., Wißing, C., Hofreiter, M., Barlow, A., **Bocherens, H.**, 2019. Amino acid nitrogen isotope analysis suggests herbivory for Romanian cave bears (*Ursus ingressus*). *20<sup>th</sup> Congress of the International Union for Quaternary Research - abstracts*, P-1231.  
<https://app.oxfordabstracts.com/events/574/program-app/submission/93554>
- F60 Posth, C., Nägele, K., Crevecoeur, I., Beauval, C., **Bocherens, H.**, Germonpré, M., Gómez-Olivencia, A., Semal, P., Wißing, C., Rougier, H., Krause, J., 2019. Palaeogenomic investigations at the Troisième caverne of Goyet, Belgium. *Proceedings of the European Society for the study of Human Evolution, Liège, September 2019*, 8: 155.

- F61 Ring, S., **Bocherens, H.**, Wings, O., Rabi, M. 2019. Divergent mammalian body size in a stable Eocene greenhouse climate. *SVP 2019 Meeting Program*, p. 180.
- F62 Rougier, H., Crevecoeur, I., Posth, C., **Bocherens, H.**, Colombier, P., Flas, D., Krause, J., Semal, P., Wißing, C., 2019. New Neandertal remains from Trou Magritte, Belgium. *Proceedings of the European Society for the study of Human Evolution, Liège, September 2019*, 8: 169.
- F63 Suraprasit, K., **Bocherens, H.**, 2019. A new Pleistocene mammal locality from peninsular Thailand: Implications for the savanna corridor hypothesis during glacials. *Program and abstracts, XVII Conference of the EAVP, Brussels, Belgium, 2-6 July 2019*: 112. [https://docs.wixstatic.com/ugd/4abdcf\\_5271c1cf7e1e4ef0aed3171befb0e1bd.pdf?index=true](https://docs.wixstatic.com/ugd/4abdcf_5271c1cf7e1e4ef0aed3171befb0e1bd.pdf?index=true)
- F64 Suraprasit, K., **Bocherens, H.**, 2019. Stable isotope tracking on tooth enamel of large mammals in peninsular Thailand: Implications for the hypothesis of an equatorial savanna corridor during the Late Middle Pleistocene. *SVP 2019 Meeting Program*, p. 201.
- F65 Suraprasit, K., Shoocongdej, R., Jaeger, J.-J., Chaimanee, Y., Wattanapituksakul, A., **Bocherens, H.**, 2019. Ecological flexibility of the Pleistocene Sumatran serow and the possible cause of local extinction of the Himalayan goral in Thailand. *20<sup>th</sup> Congress of the International Union for Quaternary Research - abstracts*, 597. <https://app.oxfordabstracts.com/events/574/program-app/submission/90425>
- F66 Suraprasit, K., Shoocongdej, R., Jaeger, J.-J., Chaimanee, Y., **Bocherens, H.**, 2019. Conservation paleoecology of Southeast Asian gorals (*Naemorhedus*) and serow (*Capricornis*) through stable isotopic tracking since 400,000 years. *Book of Abstracts, Borowski, Z. (Ed.), 8<sup>th</sup> European Congress of Mammalogy, Warsaw, 23-27 September 2019* : 113.
- F67 Wißing, C., Rougier, H., Crevecoeur, I., Draily, C., Germonpré, M., Gómez-Olivencia, A., Naito, Y.N., Posth, C., Semal, P., **Bocherens, H.**, 2019. When diet became diverse: Isotopic tracking of subsistence strategies among Gravettian hunters in Europe. *Proceedings of the European Society for the study of Human Evolution, Liège, September 2019*, 8: 207.
- 2018**
- F68 Bauer, C.C., Germonpré, M., Lázničková-Galetova, M., **Bocherens, H.**, 2018. What lies beneath? New insights on the Předmostí(-) canid skull specimen and associated materials using  $\mu$ CT scan data *Proceedings of the European Society for the study of Human Evolution*, 7: 12.
- F69 Bauer C.C., Germonpré M., Lázničková-Galetová M., **Bocherens H.**, 2018. Special treatment of large canids in the Gravettian? Bone and ivory objects in the mouth of the Předmostí (-) canid skull specimen, revealed for the first time using a CT scan. *Museologia Scientifica e Naturalistica*, 14: 117-118.
- F70 **Bocherens, H.**, 2018. Neanderthal palaeoecology: Insights from stable isotopes. *Calpe 2018: Neanderthal the Conference, Book of Abstracts*, p. 55-56.
- F71 **Bocherens, H.**, Cotte, M., Mol, D., Den Ouden, N., Prevosti, F., Soibelzon, L., 2018. Isotopic insight on the paleobiology of late Pleistocene giant ground sloths in the southern Cone of South America. *IsoEcol 2018, Programme and Abstracts, Universidad Andrés Bello*, p. 109.
- F72 **Bocherens, H.**, Drucker, D., Daujeard, C., Raynal, J.-P., Moncel, M.-H., 2018. Eemian Neandertal ecology in Mediterranean southeastern France: Isotopic evidence. *60<sup>th</sup> Annual Meeting of the Hugo Obermaier-Society in Tarragona, Conference Booklet*, p. 14.
- F73 **Bocherens, H.**, Drucker, D., Naito, Y.I., Wißing, C., 2018. Isotopic evidence for high mammoth consumption by late Neandertals and early modern humans in Europe and its possible ecological impact. *8<sup>th</sup> ISBA 2018, Programme*: 87.
- F74 Bons, P.D., Bauer, C.C., **Bocherens, H.**, Menendez, L., Uhl, A., Wißing, C., 2018. Pitfalls and opportunities in pinpointing the origin of modern humans — a numerical study *Proceedings of the European Society for the study of Human Evolution*, 7: 23.
- F75 Chala-Aldana, D., **Bocherens, H.**, Rademaker, K., 2018. Human Occupation and Adaptation to the Andean Highlands during the Early Holocene: Evidences from Oxygen and Strontium Isotopic Analyses. *UISPP 2018 Paris, book of abstracts, XXXVII-2*, p. 26.
- F76 Chala-Aldana, D., **Bocherens, H.**, Rademaker, K., 2018. Movilidad y poblamiento de tierras altas andinas durante el Holoceno temprano en el abrigo rocoso de Cuncaicha (4.480 m s.n.m) Arequipa, Perú: El papel de los análisis isotópicos en la generación de modelos de movilidad. *9 Simposio internacional el hombre temprano en America, Necochea, Argentina, Libro de Resúmenes*, p. 34-35.
- F77 Chavasseau, O., Sein, C., **Bocherens, H.**, Bibi, F., Chaimanee, Y., Maugeoust, J., Jaeger, J.-J., 2018. The Khoratpithecus-bearing fauna from the Central Basin of Myanmar: faunal composition, biochronology and biogeographic affinities. *The fossil week, abstract book, 5<sup>th</sup> International Palaeontological Congress*, p.650.
- F78 Dantas, M.A.T., **Bocherens, H.**, Omena, E.C., da Silva, J.L.L., Sial, A.N., 2018. Understanding food ecology and paleoenvironment of late Pleistocene megamammals from Brazilian Intertropical Region through C- and O-isotope mathematical mixing model. *Boletim de Resumos • XI Simpósio Brasileiro de Paleontologia de Vertebrados*, p. 40.



- F79 Díaz-Zorita Bonilla, M., Subirá, M.E., **Bocherens, H.**, Bicho, N., Gibaja, J., 2018. Mobility in Moita Do Sebastiao (Portugal) Mesolithic human group. The analysis of  $^{87}\text{Sr}/^{86}\text{Sr}$  and  $\delta^{18}\text{O}$ . *24<sup>th</sup> EAA Annual Meeting, Reflecting Futures, Abstract Book*, vol. 2: 624.
- F80 Galetova, M., Germonpré, M., Jimenez, E. –L., **Bocherens, H.**, Van Den Broeck, M., 2018. Consumption of brain, meat and marrow from large canids at the Gravettian Predmosti site, Czech Republic. *UISPP 2018 Paris, book of abstracts, XVII-4*, p. 98.
- F81 Germonpré M., Lázničková-Galetová M., Sablin M.V., Bauer C.C., **Bocherens H.**, 2018. Palaeolithic dogs: their origin and meaning. *Museologia Scientifica e Naturalistica*, 14: 38-39.
- F82 Gomes, V.S., **Bocherens, H.**, Oliveira, G.R., Bantim, R.A.M., Sayão, J.M., Dantas, M.A.T., 2018. Isotopic ( $\delta^{13}\text{C}$ ,  $\delta^{18}\text{O}$ ) annual variations of *Toxodon platensis* Owen, 1937 (Notoungulata, Toxodontidae) diet from Brazil. *Boletim de Resumos • XI Simpósio Brasileiro de Paleontologia de Vertebrados*, p. 56
- F83 Gretzinger, J., Reiter, E., Molak, M., Pfrengle, S., Neukamm, J., Urban, C. Sabol, M., Krause, J., **Bocherens, H.**, Schuenemann, V.J., 2018. Large-scale mitogenomic analysis of the phylogeography of the Late Pleistocene cave bear. *8th ISBA 2018, Programme: 177*
- F84 Haller Von Hallerstein, S., Drucker, D., Harvati, K., **Bocherens, H.**, Rademaker, K., 2018. Paleodiet at the high-altitude Cuncaicha rockshelter (Pucuncho Basin, Southern Peru), based on stable carbon, nitrogen, and sulfur isotope abundances in bone collagen. *UISPP 2018 Paris, book of abstracts, XXXVII-2*, p. 24.
- F85 Ma, J., Hu, Y., Wang, Y., **Bocherens, H.**, 2018. Isotopic evidence on foraging ecology of *Elephas maximus* and *Stegodon orientalis* in South China during late Pleistocene. *8th ISBA 2018, Programme: 126*.
- F86 Naito, Y.I., Belmaker, M., **Bocherens, H.**, Wißing, C., Kadowaki, S., 2018. Gazelle hunting activities around Tor Hamar rock-shelter in Jordan viewed from carbon and oxygen isotopic composition of tooth enamel. *IsoEcol 2018, Programme and Abstracts, Universidad Andrés Bello*, p. 147.
- F87 Naito, Y.I., **Bocherens, H.**, Chikaraishi, Y., Drucker, D.G., Germonpré, M., Hobson, K.A., Ohkouchi, N., 2018. Paleodiets of late Quaternary humans and mammals inferred from nitrogen isotopic composition of individual amino acids in bone collagen. *IsoEcol 2018, Programme and Abstracts, Universidad Andrés Bello*, p. 143.
- F88 Suraprasit, K., Chaimanee, Y., **Bocherens, H.**, Jaeger, J.-J., 2018. A possible glacial-interglacial stability of large mammal faunas in Southeast Asia. *The fossil week, abstract book, 5<sup>th</sup> International Palaeontological Congress*, p.664.
- F89 Vijande, E., Díaz-Zorita, M., Sánchez-Barba, L., **Bocherens, H.**, Emslie, S., Escudero-Carrillo, J., 2018. Anthropological and biochemical analysis from the Neolithic necropolis of Campo de Hockey (San Fernando, Cádiz, Spain). *24<sup>th</sup> EAA Annual Meeting, Reflecting Futures, Abstract Book*, vol. 1: 227.
- F90 Wißing, C., Rougier, H., Crevecoeur, I., Drucker, D., Germonpré, M., Naito, Y.I., Posth, C., Semal, P., **Bocherens, H.**, 2018. Isotopic insights into the paleoecology (diet, mobility) of late Neandertals in North-West Europe. *60<sup>th</sup> Annual Meeting of the Hugo Obermaier-Society in Tarragona, Conference Booklet*, pp. 60-61.
- 2017**
- F91 Alves, B.S., Silva, L.A., Pansani, T.R., Dantas, M.A.T., Araújo, A.V., **Bocherens, H.**, 2017. Isotopic palaeoecology ( $\delta^{13}\text{C}$ ,  $\delta^{18}\text{O}$ ) of the Late Pleistocene megamammals of America (Florida, Mexico and Brazil): Finding the key species in the structuration of these communities. *Society of Vertebrate Paleontology, 77<sup>th</sup> Annual Meeting, Meeting program and abstracts*, p. 73.
- F92 **Baumann, C.**, Drucker, D.G., Münzel, S.C., Starkovich, B.M., **Bocherens, H.**, Conard, N.J., 2017. Of foxes and humans – an isotopic study about their interaction during the Upper Paleolithic of the Swabian Jura (Germany). *Aragonit 22/1*: 9-10.
- F93 **Bocherens, H.**, 2017. Diet and subsistence theme. In: *Coping with climate: The legacy of Homo heidelbergensis, Brighton*, p 21-24.
- F94 **Bocherens, H.**, 2017. Isotopic tracking of cave bear palaeobiology. *Zitteliana*, 91: 24.
- F95 **Bocherens, H.**, Arppe, L., Drucker, D., Karhu, J., Vartanyan, S., 2017. Isotopic insight (C, N) on the palaeoecology of the latest Pleistocene and Holocene woolly mammoths *Mammuthus primigenius*. *VII International Conference on Mammoths and their Relatives, Taichung, Taiwan*, p. 53.
- F96 **Bocherens, H.**, Cotte, M., Drucker, D.G., Homan-Kaminska, E., Kowalczyk, R., Pushkina, D., Ziegler, R., 2017. Stable isotopic tracking of large mammals and the structure of interglacial ecosystems in Middle Pleistocene Europe: Implications for subsistence of *Homo heidelbergensis*. In: *Coping with climate: The legacy of Homo heidelbergensis, Brighton*, p 58.
- F97 **Bocherens, H.**, Arppe, L., Drucker, D., Karhu, J., Vartanyan, S., 2017. Isotopic insight (C, N) on the palaeoecology of the latest Pleistocene and Holocene woolly mammoths *Mammuthus primigenius*. *VII International Conference on Mammoths and their Relatives, Taichung, Taiwan*, p. 53
- F98 **Bocherens, H.**, Drucker, D., 2017. Isotopic tracking of the past to save the present. *Integrative Approach Expanding Humboldt's Vision, book of abstracts*, p 30.

- F99 **Bocherens, H.**, Drucker, D., Láznicková-Galetová, M., Germonpré, M., Wißing, C., 2017. Isotopic tracking of trophic relationships (predation, competition, commensalism) between Paleolithic humans and predators. *Society for American Archaeology 82<sup>nd</sup> Annual Meeting*, March 29-April 2, 2017, Vancouver, BC, Canada, Individual abstracts, p.53.
- F100 Bons, P.D., Bauer, C.C., **Bocherens, H.**, Drucker, D.G., Fracken, M., Uhl, A., 2017. Migration waves resulting from a self-organised critical state as a possible mechanism for hominid dispersal and replacement? *Proceedings of the European Society for the study of Human Evolution*, 6: 27.
- F101 Chala-Aldana, D., **Bocherens, H.**, Miller, C., Rademaker, K., 2017. Mobility among hunter-gatherers in the Central Andean Highlands during the Early-Middle Holocene: GIS models from Sr and O isotopic analyses. *Society for American Archaeology 82<sup>nd</sup> Annual Meeting*, March 29-April 2, 2017, Vancouver, BC, Canada, Individual abstracts, p.93.
- F102 Dantas, M.A.T., **Bocherens, H.**, Cavalcante, O., Lopes das Silva, J.L., Nóbrega Sial, A., 2017. Paleoenvironmental reconstruction of Brazilian intertropical region habitats through megamammals isotopic data ( $\delta^{13}\text{C}$ ,  $\delta^{18}\text{O}$ ). *Paleontologia en Destaque*, Edição Especial XXV Congresso Brasileiro de Paleontologia, Boletim de Resumos, p. 84.
- F103 Dantas, M.A.T., **Bocherens, H.**, Cavalcante, O., Lopes das Silva, J.L., Nóbrega Sial, A., 2017. Diet, isotopic niche breadth variation ( $\delta^{13}\text{C}$ ,  $\delta^{18}\text{O}$ ) and paleoenvironments of Notiomastodon platensis (Ameghino, 1888) (Proboscidea, Gomphotheriidae) in the Brazilian intertropical region through the Late Pleistocene. *VII International Conference on Mammoths and their Relatives, Taichung, Taiwan*, p. 51.
- F104 Diaz-Zorita Bonilla, M., Waterman, M.A.J., Pérez-Villa, A., Martínez-Navarette, I., Vicent, J.M., **Bocherens, H.**, Diaz del Rio, P., 2017. Reassessing Copper and Bronze Age regional mobility in Central Iberia through radiogenic ( $^{87}\text{Sr}/^{86}\text{Sr}$ ) and stable ( $\delta^{18}\text{O}$ ,  $\delta^{13}\text{C}$ ) isotope ratios. *23<sup>rd</sup> Annual Meeting of the EAA, Abstract Book*, p 86.
- F105 Drucker, D.G., Wißing, C., Münzel, S.C., Starkovich, B.M., Wolf, S., Conard, N.J., **Bocherens, H.**, 2017. Ecological interactions between humans and woolly mammoths during the early Upper Palaeolithic in Europe. *Geobiodiversity: An Integrative Approach Expanding Humboldt's Vision, book of abstracts*, p 19.
- F106 Germonpré, M., Láznicková-Galetová, M., Sablin, M., **Bocherens, H.**, 2017. The Upper Paleolithic beginnings of the domestication of the dog. *Society for American Archaeology 82<sup>nd</sup> Annual Meeting*, March 29-April 2, 2017, Vancouver, BC, Canada, Individual abstracts, p.200.
- F107 Gretzinger, J., Reiter, E., Urban, C., **Bocherens, H.**, Sabol, M., Schuenemann, V.J., Krause, J., 2017. Genetic analysis of a cave bear-morphotype specimen from Prepoštská cave, Slovakia featuring carnivorous-like isotopic signature. *Aragonit 22/1*: 11-12.
- F108 Heteren, A.H. van, Barlow, A., Hofreiter, M., Ersmark, E., Dalén, L., **Bocherens, H.**, Germonpré, M., 2017. Hybridisation between cave (*Ursus spelaeus*) and brown (*Ursus arctos*) bears: Goyet as a case study. *Zitteliana*, 91: 43.
- F109 Koehler, H., Wegmüller, F., Audiard, B., Auguste, P., Bahain, J.-J., **Bocherens, H.**, Diemer, S., Preusser, F., Pümpin, C., Sévêque, N., Stoeztzel, E., Tombret, O., Wuscher, P., 2017. The Middle Palaeolithic occupations of Mutzig-Rain (Alsace). In: *The Rhine during the Middle Palaeolithic: Boundary or corridor? Abstracts*, p8.
- F110 Krajcarz, M.T., Krajcarz, M., **Bocherens, H.**, 2017. Collagen-collagen prey-predator isotopic enrichment – a study of a subfossil red fox den. *Aragonit 22/1*: 15-16.
- F111 Krajcarz, M., Krajcarz, M.T., Wojtal, P., **Bocherens, H.**, 2017. Intra-individual and inter-sex isotopic signature ( $\delta^{13}\text{C}$ ,  $\delta^{15}\text{N}$ ) of cave bear dentine collagen. *Aragonit 22/1*: 14-15.
- F112 Lessa, C.M. B., Dantas, M.A.T., **Bocherens, H.**, Cavalcante, O., Lopes das Silva, J.L., Nóbrega Sial, A., 2017. Isotopic palaeoecology ( $\delta^{13}\text{C}$ ,  $\delta^{18}\text{O}$ ) of the Late Pleistocene megamammals from Poço Redondo, Sergipe, Brazil: Autecology (diet, niche breadth), food competition and paleoenvironmental reconstruction. *Paleontologia en Destaque*, Edição Especial XXV Congresso Brasileiro de Paleontologia, Boletim de Resumos, p. 168.
- F113 Münzel, S.C., Baumann, C., Albrecht, G., Bauer, C.C., **Bocherens, H.**, 2017. A possible Magdalenian dog from Gnirshöhle near Engen (Hegau, SW-Germany). *Aragonit 22/1*: 18-19.
- F114 Posth, C., Wißing, C., Kitagawa, K., Pagani, L., van Holstein, L., Racimo, F., Wehrberger, K., Conard, N.J., Kind, C.J., **Bocherens, H.**, Krause, J., 2017. Deeply divergent archaic mitochondrial genome provides lower time boundary for African gene flow into Neandertals. *Proceedings of the European Society for the study of Human Evolution*, 6: 149.
- F115 Suraprasit, K., Chaimanee, Y., **Bocherens, H.**, Jaeger, J.-J., 2017. Paleoecological and paleoclimatic reconstructions of the Pleistocene Khok Sung vertebrate fauna (Nakhon Ratchasima Province, Northeastern Thailand): stable carbon and oxygen isotope investigations of ungulate tooth enamel. *Society of Vertebrate Paleontology, 77<sup>th</sup> Annual Meeting, Meeting program and abstracts*, p. 201.

- F116 Terlato, G., Romandini, M., Nannini, N., Peresani, M., **Bocherens, H.**, 2017. Cave bear (*Ursus spelaeus*) extinction in Northeastern Italy: Anthropogenic impact, stable isotope evidence and extinction chronology. *Zitteliana*, 91: 88.
- F117 Terlato, G., Romandini, M., Nannini, N., Peresani, M., **Bocherens, H.**, 2017. Cave bear (*Ursus spelaeus*) extinction in Northeastern Italy: Anthropogenic impact, stable isotope evidence and extinction chronology. *Aragonit* 22/1: 26.
- 2016**
- F118 **Bocherens, H.**, Drucker, D.G., Münzel, S.C., Rivals, F., Fellows Yates, J.A., Krause, J., Wojtal, P., 2016. Stable isotope, tooth microwear, and palaeogenetic investigations on the mammoth (*Mammuthus primigenius*) of Kraków Spadzista. In: (Wojtal, P., Wilczynski, J., eds) *2<sup>nd</sup> Conference World of Gravettian Hunters, Kraków, Poland, 16-20 May 2016, Abstracts*, p 5-6.
- F119 Cotte, M., Soibelzon, L., Prevosti, F.J., **Bocherens, H.**, 2016. Insights into the palaeoecology of Southern South America during the Neogene using the stable isotope analysis of mammalian tooth enamel carbonate. *Journal of Vertebrate Paleontology* 36, supp.1: 121.
- F120 Dantas, M.A.T., Cherkinsky, A., **Bocherens, H.**, Drefahl, M., França, L.d.M., 2016. Isotopic palaeoecology of the Pleistocene megamammals from the Brazilian Intertropical Region: Feeding ecology ( $\delta^{13}\text{C}$ ,  $\delta^{18}\text{O}$ ), niche breadth and overlap. *IX Congresso Latinoamericano Paleontología*, 20-24 de Setiembre 2016, Lima – Perú, Museo de la Nación, Libro de Resúmenes pp. 74.
- F121 Dantas, M.A.T., Cherkinsky, A., **Bocherens, H.**, Bernardes, C., Drefahl, M., França, L.d.M., 2016. Discovering the key species in the Late Pleistocene Brazilian Intertropical Region megamammals assemblage. *Libro de Resúmenes da PALEO-NE 2016*, pp. 21.
- F122 Diaz-Zorita Bonilla, M., Beck, J., **Bocherens, H.**, Escudero, C., Navarrete, M., Vicent, J.M., Diaz del Rio, P., 2016. Dental paleopathology, diet and mobility at the Copper Age site of Marroquies Bajos (Jaén, Spain). *22<sup>nd</sup> Annual Meeting of the EAA, 31<sup>st</sup> August-4<sup>th</sup> September 2016 Vilnius*, p 489.
- F123 Drucker, D.G., Stevens, R.E., Germonpré, M., Sablin, M.V., Péan, S., **Bocherens, H.**, 2016. The end of the mammoth steppe in central East European plains during the Epigravettian: insights from collagen stable isotopes. In: (Wojtal, P., Wilczynski, J., eds) *2<sup>nd</sup> Conference World of Gravettian Hunters, Kraków, Poland, 16-20 May 2016, Abstracts*, p 26-27.
- F124 Etu-Sihvola, H., **Bocherens, H.**, Karme, A., Mannerman, K., Moilanen, U., Naito, Y.I., Oinonen, M., Sato, K., Suhonen, H., Taavitsainen, J.-P., Arppe, L., 2016. Bringing them to life – A multidisciplinary study of Eura Luistari cemetery (6<sup>th</sup>-12<sup>th</sup> c AD), Finland. *22<sup>nd</sup> Annual Meeting of the EAA, 31<sup>st</sup> August-4<sup>th</sup> September 2016 Vilnius*, p 457.
- F125 Fellows Yates, J., Drucker, D.G., Herbig, A., Münzel, S.C., **Bocherens, H.**, Krause, J., 2016. Full mitochondrial genomes of Central European Upper Palaeolithic woolly mammoths (*Mammuthus primigenius*). *ISBA7 Conference Handbook*, Oxford, p25.
- F126 Feuerborn, T., Furtwaengler, A., Skoglund, P., **Bocherens, H.**, Rademaker, K., Krause, J., Schuenemann, V., 2016. Genetic identification of canid in high altitude palaeoindian Peruvian site. *ISBA7 Conference Handbook*, Oxford, p88.
- F127 Germonpré, M., Lázníčková-Galetová, M., Sablin, M.V., **Bocherens, H.**, 2016. The Upper Palaeolithic domestication of the dog. *Domestication et communautés hybrides, 13-15 April 2016*, Paris, 19.
- F128 Granado, J., Kläfiger, Y., Schmutz, A., Eberhard, A., **Bocherens, H.**, Drucker, D., Arbogast, R.M., Putelat, O., Lang, G., Salzburger, W., Schibler, J., Schlumbaum, A., Schnitzler, A., 2016. Spatio-temporal mtDNA and isotope analysis of red deer (*Cervus elaphus*) in the Vosges: long-lasting co-existence of two “ecotypes” and low mtDNA diversity through millennia. *ISBA7 Conference Handbook*, Oxford, p85.
- F129 Merker, A., **Bocherens, H.**, Wahl, J., 2016. Dietary and social patterns in early medieval southwest Germany – a stable isotope approach. *22<sup>nd</sup> Annual Meeting of the EAA, 31<sup>st</sup> August-4<sup>th</sup> September 2016 Vilnius*, p 490.
- F130 Oinonen, M., Lavento, M., Arppe, L., **Bocherens, H.**, Kantanen, J., Majander, K., Mittnik, A., Onkamo, P., Palonen, V., Uusitalo, J., Vasks, A., Zarina, G., Översti, S., 2016. Kivutkalns bronze-working centre in light of archaeology and natural sciences. *22<sup>nd</sup> Annual Meeting of the EAA, 31<sup>st</sup> August-4<sup>th</sup> September 2016 Vilnius*, p 457-458.
- F131 Owocki, K., Kremer, B., Bocherens, H., 2016. Sezonowe zmiany środowiska zapisane w izotopach tlenu i węgla ze szkieletów *Tarbosaurus bataar* (późna kreda, Mongolia). XXIII Konferencja Naukowa Sekcji Paleontologicznej Polskiego Towarzystwa Geologicznego, Abstrakty pp. 83-84.
- F132 Rademaker, K., Reid, D., Moore, K., **Bocherens, H.**, 2016. The missing middle: New efforts to understand early inter-zonal connections in the Peruvian Central Andes. *Abstracts of the SAA 81<sup>st</sup> annual meeting*, 363.  
[http://www.saa.org/Portals/0/SAA/MEETINGS/2016%20Abstracts/Individual%20Level%20Abstracts\\_fina\\_IR2.pdf](http://www.saa.org/Portals/0/SAA/MEETINGS/2016%20Abstracts/Individual%20Level%20Abstracts_fina_IR2.pdf)

- F133 Rougier, H., Crevecoeur, I., Beauval, C., Flas, D., Posth, C., Wißing, C., Furtwängler, A., Germonpré, M., Gómez-Olivencia, A., Semal, P., van der Plicht, J., **Bocherens, H.**, Krause, J., 2016. The Troisième Caverne of Goyet (Belgium): An exceptional site with both Neandertal and Upper Paleolithic human remains. *Proceedings of the European Society for the study of Human Evolution*, 5: 211.
- F134 Suraprasit, K., Chaimanee, Y., **Bocherens, H.**, Jaeger, J., 2016. Middle Miocene sympatric tragulids in C3-dominated grasslands of Mae Moh (Lampang province, Northeastern Thailand): the first record of the genus *Dorcatherium* from Southeast Asia. *Journal of Vertebrate Paleontology* 36, supp.1: 234.
- F135 Wißing, C., Crevecoeur, I., Germonpré, M., Naito, Y., Posth, C., Rougier, H., Semal, P., **Bocherens, H.**, 2016. Evidence for ecological diversity among Gravettian hunters across Europe. A stable isotopic approach. In: (Wojtal, P., Wilczynski, J., eds) 2<sup>nd</sup> Conference World of Gravettian Hunters, Kraków, Poland, 16-20 May 2016, Abstracts, p 82-83.
- 2015**
- F136 **Bocherens, H.**, Drucker, D.G., Germonpré, M., Lázničková-Galetová, M., Sablin, M.V., Kandel, A.W., Schuenemann, V., Thalmann, O., Krause, J., 2015. Morphological, ecological and genetic characterization of Pleistocene wolves and Palaeolithic dogs in the Gravettian of Předmostí I (Czech Republic). *Hugo Obermaier-Gesellschaft für Erforschung des Eiszeitalters und der Steinzeit e.V., 57. Tagung in Heidenheim 7-11 April 2015*, Heidenheim, 21-22.
- F137 Dantas, M., Cherkinsky, A., **Bocherens, H.**, Drefahl, M., Bernardes, C., França, L. de M., 2015. Isotopic tracking (<sup>14</sup>C dates,  $\delta^{13}\text{C}$ ,  $\delta^{18}\text{O}$ ) of paleoenvironment for Pleistocene Brazilian megafauna. *Programa y Libro de Resúmenes VCLAPV*: 67.
- F138 Díaz-Zorita Bonilla, M., Díaz del Rió, P., Balsera, V., Waterman, A., Thomas, J., Peate, D., **Bocherens, H.**, Martínez-Navarrete, M.I., Gilman, A., Martin, C., 2015. People of La Mancha. Diet and mobility at the Bronze Age site of El Acequión (Albacete, Spain). *21<sup>st</sup> annual meeting of the European Association of Archaeologists, Glasgow 2015, 2-5 September, Abstracts*, p.347-348.
- F139 Díaz-Zorita Bonilla, M., Díaz del Rió, P., Escudero, J., Beck, J., Escudero, J., **Bocherens, H.**, Martínez-Navarrete, M.I., Vicent, J.M., 2015. Testing the scale of human mobility at the third millennium BC mega-site of Marroquíes Bajos (Jaén, Spain) through <sup>87</sup>Sr/<sup>86</sup>Sr and  $\delta^{18}\text{O}$  isotope analysis. *21<sup>st</sup> annual meeting of the European Association of Archaeologists, Glasgow 2015, 2-5 September, Abstracts*, p. 288-289.
- F140 Drucker, D.G., Conard, N.J., Harvati, K., Posth, C., Krause, J., **Bocherens, H.**, 2015. Isotopic evidence of aquatic resource consumption in the Swabian Jura during the Late-Glacial interstadial. *Hugo Obermaier-Gesellschaft für Erforschung des Eiszeitalters und der Steinzeit e.V., 57. Tagung in Heidenheim 7-11 April 2015*, Heidenheim, 30-31.
- F141 Germonpré, M., Lázničková-Galetová, M., Sablin, M., **Bocherens, H.**, 2015. A comparison of two hypotheses of the domestication of the dog. *Proceedings of the European Society for the study of Human Evolution* 4: 97.
- F142 Hofman-Kamińska, E., **Bocherens, H.**, Kowalczyk, R., 2015. Patterns of habitat use and diet of European bison and moose in Europe. *Abstracts – 7th European Congress of Mammalogy*, 41. [http://www.zoologi.su.se/ecm7/ecm7\\_abstracts.pdf](http://www.zoologi.su.se/ecm7/ecm7_abstracts.pdf)
- F143 Kowalczyk, R., Hofman-Kamińska, E., Samojlik, T., Makowiecki, D., Merceron, G., **Bocherens, H.**, 2015. Why has the European bison survived, while the other large beasts have gone. *Abstracts – 7th European Congress of Mammalogy*, 49. [http://www.zoologi.su.se/ecm7/ecm7\\_abstracts.pdf](http://www.zoologi.su.se/ecm7/ecm7_abstracts.pdf)
- F144 Krajcarz, M., Pacher, M., Krajcarz, M.T., Laughlan, L., Rabeder, G., Sabol, M., Wojtal, P., **Bocherens, H.**, 2015. Geographical variation of stable isotopes ( $\delta^{13}\text{C}$ ,  $\delta^{15}\text{N}$ ) of cave bear collagen during MIS 3 from Western to Eastern Europe. *21<sup>st</sup> International Cave Bear Symposium 2015, Programme & Abstracts*, 13.
- F145 Münzel, S.C., Drucker, D.G., Cupillard, C., **Bocherens, H.**, 2015. Cave Bear Exploitation by Neanderthals and Modern Humans: The Cases of Casamène (French Jura) and Hohle Fels (Swabian Jura). *Hugo Obermaier-Gesellschaft für Erforschung des Eiszeitalters und der Steinzeit e.V., 57. Tagung in Heidenheim 7-11 April 2015*, Heidenheim, 47.
- F146 Münzel, S.C., Drucker, D.G., Cupillard, C., **Bocherens, H.**, 2015. Cave Bear Exploitation by Neanderthals and Modern Humans: The Cases of Casamène (French Jura) and Hohle Fels (Swabian Jura). *21<sup>st</sup> International Cave Bear Symposium 2015, Programme & Abstracts*, 20.
- F147 Posth, C., Drucker, D., **Bocherens, H.**, Harvati, K., Conard, N.J., Krause J., 2015. Genetic diversity of Mesolithic Europeans. *Smbc 2015, abstract book*, Vienna, 1051. [http://media.wix.com/ugd/f9ff73\\_6a34e526d704408691d34183740a6c7a.pdf](http://media.wix.com/ugd/f9ff73_6a34e526d704408691d34183740a6c7a.pdf)
- F148 Posth, C., Mittnik, A., Drucker, D., **Bocherens, H.**, Harvati, K., Conard, N.J., Krause J., 2015. Mitochondrial genome diversity in European Upper Paleolithic and Mesolithic hunter-gatherers. *9<sup>th</sup> International Conference on the Mesolithic in Europe, Belgrade, Serbia, 14<sup>th</sup>-18<sup>th</sup> September 2015, Book of abstracts*, 118. [http://smbc2015.univie.ac.at/fileadmin/user\\_upload/k\\_smbc2015/abstract\\_book.pdf](http://smbc2015.univie.ac.at/fileadmin/user_upload/k_smbc2015/abstract_book.pdf)
- F149 Posth, C., Wißing, C., Drucker, D., Kitagawa, K., Wehrberger, K., Kind, C.-J., **Bocherens, H.**, Harvati, K., Conard, N.J., Krause J., 2015. Biomolecular investigation of Paleolithic and Mesolithic human remains

- from the Swabian Jura (South-West Germany). *Hugo Obermaier-Gesellschaft für Erforschung des Eiszeitalters und der Steinzeit e.V., 57. Tagung in Heidenheim 7-11 April 2015*, Heidenheim, 56-57.
- F150 Suraprasit, K., Panha, S., **Bocherens, H.**, Chaimanee, Y., Chavasseau, O., Jaeger, J., 2015. Middle pleistocene vertebrate community from Khok Sung (Northeastern Thailand): Faunal composition, diets, and niche partitioning of sympatric mammals. *Journal of Vertebrate Paleontology* 35, supp.1: 221.
- F151 Wißing, C., Crevecoeur, I., Germonpré, M., Krause, J., Naito, Y., Posth, C., Rougier, H., Semal, P., **Bocherens, H.**, 2015. Insight from stable isotopes into the ecology of late Neandertals and early anatomically modern humans (AMH) in North-West Europe. *Hugo Obermaier-Gesellschaft für Erforschung des Eiszeitalters und der Steinzeit e.V., 57. Tagung in Heidenheim 7-11 April 2015*, Heidenheim, 76-77.
- 2014**
- F152 **Bocherens, H.**, Abrams, G., Bonjean, D., Cotte, M., Di Modica, K., Wißing, C., 2014. Carbon and oxygen stable isotopes ( $^{13}\text{C}$ ,  $^{18}\text{O}$ ) in tooth enamel of Late Pleistocene mammals: Tools for reconstructing paleoclimate, paleoenvironments and paleodiets during the Middle Palaeolithic. In: *Middle Palaeolithic in North-West Europe: Multidisciplinary approaches, Book of Abstracts*, p. 12.
- F153 **Bocherens, H.**, Arppe, L., Drucker, D.G., Karhu, J., Vartanyan, S., 2014. Habitat trackers, niche engineers or flexible all-doers? Isotopic insight on the palaeoecology of the latest Pleistocene and Holocene woolly mammoths *Mammuthus primigenius*. *Journal of Vertebrate Paleontology* 34, supp.1: 93.
- F154 **Bocherens, H.**, Drucker, D.G., Haidle, M.N., Naito, Y.I., Münzel, S.C., Müller-Beck, H., 2014. Isotopic evidence (C, N, S, O) for a high aquatic dietary contribution for a Pre-Dorset muskox hunter from Umingmak (Banks Island, Canada). *XVII World UISPP Congress 2014, Burgos, 1-7 Sept., volume of abstracts*, p.788.
- F155 Cotte, M., Prevosti, F., Soibelzon, L., **Bocherens, H.**, 2014. Pleistocene trophic systems in the Pampean region (Buenos Aires Province, Argentina): Insights from C and O stable isotopes. *Journal of Vertebrate Paleontology* 34, supp.1: 113.
- F156 Cotte, M., Prevosti, F., Soibelzon, L., Bauriedl, S., **Bocherens, H.**, 2014. South American endemic ungulates in the Pampean region (Buenos Aires Province, Argentina): Ecological insights from stable isotopes (diet, competition and predation pressure). *4<sup>th</sup> International Paleontological Congress, Abstract Volume*, p. 113.
- F157 Dantas, M., Cherkinsky, A., **Bocherens, H.**, Drefahl, M., França, L de M., Bernardes, C., Avilla, L.S., 2014. Isotopic signature ( $\delta^{13}\text{C}$ ,  $\delta^{18}\text{O}$ ) of the paleoecology and niche partitioning of the Pleistocene megafauna from Brazilian intertropical region – Northeastern Brazil. *Journal of Vertebrate Paleontology* 34, supp.1: 117.
- F158 Drucker, D.G., Kuitens, M., van der Plicht, J., van Kolfschoten, T., **Bocherens, H.**, 2014. Carbon and nitrogen stable isotopes of bone collagen from Schöningen (Middle Pleistocene, Germany) and their palaeoecological implications. *XVII World UISPP Congress 2014, Burgos, 1-7 Sept., volume of abstracts*, p.71.
- F159 Drucker, D.G., Rosendahl, W., Van Neer, W., Görner, I., **Bocherens, H.**, 2014. Stable isotope analysis of the human of Rhünda (Germany): intense exploitation of aquatic resources in the European Northern plains during the Younger Dryas. *XVII World UISPP Congress 2014, Burgos, 1-7 Sept., volume of abstracts*, p.154.
- F160 Hofman-Kamińska, E., Makowiecki, D., Piličiauskienė, G., Pacher, M., Czeremnyh, N., **Bocherens, H.**, Kowalczyk, R., 2014. The Holocene distribution of European bison *Bison bonasus* in Europe. *Międzynarodowa Konferencja, „Żubry w Bioregionie Mirosławiec”, 4-5 września 2014, Programme and Abstracts*, p46-48.
- F161 Krajcarz, M.T., Krajcarz, M., Sudof, M., Wojtal, P., **Bocherens, H.**, 2014. Paleoekologia kopalnej fauny z jaskiń jury Ploskiej (Jaskinia Perspektywiczna i Jaskinia Nietoperzowa) na podstawie badań izotopowych. (Palaeoecology of fossil fauna from caves of Polish Jura (Perspektywiczna Cave and Nietoperzowa Cave) on the basis of isotopic analysis). *Materiały 48. Sympozjum Speleologicznego* p85-86.
- F162 Naito, Y.I., Wißing, C., Drucker, D.G., **Bocherens, H.**, Yoneda, M., Chikaraihi, Y., Ohkouchi, N., 2014. Detection of aquatic resource consumption by prehistoric humans based on nitrogen isotopic composition of collagen amino acids. *XVII World UISPP Congress 2014, Burgos, 1-7 Sept., volume of abstracts*, p.792-793.
- F163 Naito, Y.I., Chikaraihi, Y., Drucker, D.G., Ohkouchi, N., Wißing, C., **Bocherens, H.**, 2014. Ecological niche of neanderthals from Spy Cave revealed by nitrogen isotope analysis of collagen amino acids. *XVII World UISPP Congress 2014, Burgos, 1-7 Sept., volume of abstracts*, p.489-490.
- F164 Oinonen, M., Alenius, T., Arppe, L., **Bocherens, H.**, Etu-Sihvola, H., Mannerman, K., Onkamo, P., Palo, J., Sajantila, A., Sundell, T., Uusitalo, J., Wessman, A., 2014. Levänluhta water burial in the light of bone collagen ratios. *Radiocarbon and diet: aquatic food resources and reservoir effects. International scientific meeting: 24-26 September 2014 (Kiel - Germany), Meeting program and book of abstracts*, p.74.
- F165 Posth, C., Mittnik, A., Drucker, D., **Bocherens, H.**, Harvati, K., Conard, N., Krause, J., 2014. Mitochondrial genome variation in late Pleistocene Europe. *Proceedings of the European Society for the study of Human Evolution*, 3: 132.

- F166 Posth, C., Wißing, C., Kitagawa, K., Wehrberger, K., Conard, N., Kind, C.J., **Bocherens, H.**, Krause, J., 2014. Interdisciplinary investigation of an archaic hominin femur from the Swabian Jura (South-West Germany). *6<sup>th</sup> ISBA 2014, Abstract book oral presentations*: 60.
- F167 Rivals, F., Julien, M.-A., Drucker, D.G., **Bocherens, H.**, Kuitems, M., van Kolfschoten, T., Serangeli, J., Conard, N.J. 2014. Exploring horse feeding behavior and accumulation processes at Schöningen 13 II-4: insights from tooth wear and isotopic analyses. *Hugo Obermaier-Gesellschaft für Erforschung des Eiszeitalters und der Steinzeit e.V., 56. Tagung in Braunschweig 22-25 April 2014*, Erlangen, 41-42.
- F168 Rougier, H., Crevecoeur, I., Beauval, C., Flas, D., **Bocherens, H.**, Wißing, C., Germonpré, M., Semal, P., van der Plicht, J., 2014. New fossils at the “Troisième Caverne” of Goyet (Belgium) and the mortuary practices of late Neandertals. In: *Middle Palaeolithic in North-West Europe: Multidisciplinary approaches, Book of Abstracts*, p. 35.
- F169 Serangeli, J., **Bocherens, H.**, Drucker, D.G., van Kolfschoten, T., Rivals, F., Starkovich, B., Verheijen, I., 2014. The saber-toothed cat from Schöningen. Context and preliminary results. *XVII World UISPP Congress 2014, Burgos, 1-7 Sept., volume of abstracts*, p.72-73.
- F170 Wißing, C., **Bocherens, H.**, Crevecoeur, I., Beauval, C., Flas, D., Germonpré, M., Semal, P., van der Plicht, J., Rougier, H., 2014. Insight into the ecology of Neandertals in North-West Europe: Stable isotopes and their palaeobiological implications. In: *Middle Palaeolithic in North-West Europe: Multidisciplinary approaches, Book of Abstracts*, p. 46.
- F171 Wißing, C., Crevecoeur, I., Germonpré, M., Naito, Y.I., Rougier, H., Semal, P., **Bocherens, H.**, 2014. Insights into the ecological niche of Neandertals: stable isotopes and their paleobiological implications. *XVII World UISPP Congress 2014, Burgos, 1-7 Sept., volume of abstracts*, p.493-494.
- 2013**
- F172 **Bocherens, H.**, 2013. Stable isotopes in Quaternary mammals: Tools for reconstructing paleoclimate, paleoenvironments and paleodiets. In: *IsoG 2013 Environmental Geochemistry, Warsaw, Poland, 13-15 March 2013, Programme and Abstracts*, p. 17-18.
- F173 **Bocherens, H.**, Čeklovský, T., Sabol, M., 2013. Preliminary isotopic analysis results from the Neandertal site of the Prepoštská Cave (Western Slovakia). In: *19<sup>th</sup> International Cave Bear Symposium, Semriach, Abstracts and excursions*, p. 20-21.
- F174 **Bocherens, H.**, Drucker, D.G., Germonpré, M., Lázničková-Galetová, M., Wissing, C., Brůžek, J., Oliva, M., 2013. Reconstruction of the Gravettian food-web at Předmostí I using isotopic tracking of bone collagen. *International Conference World of Gravettian Hunters, Kraków, Poland, 25<sup>th</sup>-28<sup>th</sup> June 2013, Abstract & Guide Book*, p. 4-5.
- F175 Cueto, M., Camarós, E., Münzel, S.C., Teira, L.C., **Bocherens, H.**, Fosse, P., Conard, N.J., Arias, P., 2013. Cave and brown bear behaviour inside caves: Ethological and paleontological observations with archaeological implications. In: *19<sup>th</sup> International Cave Bear Symposium, Semriach, Abstracts and excursions*, p. 15-16.
- F176 Drucker, D.G., Vercoutère, C., Chiotti, L., Nespoulet, R., Crépin, L., Conard, N., Münzel, S., Higham, T., **Bocherens, H.**, 2013. Overkill or environmental casualty as an explanation for the decline of woolly mammoth during the Gravettian of the Dordogne and the Swabian Jura? *International Conference World of Gravettian Hunters, Kraków, Poland, 25<sup>th</sup>-28<sup>th</sup> June 2013, Abstract & Guide Book*, p. 16-17.
- F177 Hofman-Kamińska, E., Merceron, G., **Bocherens, H.**, Piličiauskienė, G., Makowiecki, D., Kowalczyk, R., 2013. Diet variation of European bison and other large herbivores during the Holocene. Międzynarodowa Konferencja „Żubry w Karpatach”, 5\_6 Ínzešnia 2013, Programme and Abstracts, p38-39.
- F178 Kowalczyk, R., Hofman-Kamińska, E., **Bocherens, H.**, Drucker, D.G., 2013. Past and present pattern of habitat use by large herbivores in Europe. *IMC 11 Belfast 2013, Programme and Abstracts*, p33.
- F179 Rougier H., Crevecoeur I., Beauval C., Flas D., **Bocherens H.**, Wissing C., Germonpré M., Semal P. & van der Plicht J., 2013. The first Upper Paleolithic human remains from Belgium: Aurignacian, Gravettian and Magdalenian fossils at the "Troisième caverne" of Goyet. *PaleoAnthropology 2013*: A 33.
- F180 Sabol, M., **Bocherens, H.**, Beňuš, R., Čeklovský, T., Hromadová, B., Joniak, P., Kováčová, M., Obuch, J., Putiška, R., Vlačíky, M., 2013. Prebežné výsledky revízneho výskumu fosílnych spoločenstiev z neandertálskych lokalít na území Slovenska. *19<sup>th</sup> Quaternary Conference, Abstract book, Brno*: 59-60.
- F181 Souron, A., Bibi, F., **Bocherens, H.**, Uno, K., Boisserie, J.R., 2013. Decoupling between morphology and stable carbon isotopes in plio-Pleistocene herbivorous mammals from the Shungura Formation (Lower Omo Valley Ethiopia). *Journal of Vertebrate Paleontology* 33, supp.1: 216-217.
- 2012**
- F182 **Bocherens, H.**, 2012. Stable isotopes in Quaternary mammals in karst deposits: Tools for reconstructing paleoclimate, paleoenvironments and paleodiets. In: *The 18<sup>th</sup> International Cave Bear Symposium, Baile Herculane, Romania, 20-22 September 2012, Program – Abstracts – Field Trip*, p. 18.
- F183 **Bocherens, H.**, Bridault, A., Drucker, D.G., Hofreiter, M., Münzel, S.C., van der Plicht, J., 2012. The last of its kind? Radiocarbon, ancient DNA and stable isotope evidence from a late cave bear from Rochedane

- (France). In: *The 18<sup>th</sup> International Cave Bear Symposium, Baile Herculane, Romania, 20-22 September 2012, Program – Abstracts – Field Trip*, p. 36.
- F184 **Bocherens, H.**, Drucker, D.G., Hofman-Kamińska, E., Samojlik, T., Merceron, G., Kowalczyk, R., 2012. Isotopic tracking of modern and ancient bison (and other ungulates). In: *European bison management – Lessons from the past, Book of abstracts*, p. 7.
- F185 Hofman-Kamińska, E., **Bocherens, H.**, Drucker, D.G., Merceron, G., Samojlik, T., Kowalczyk, R., 2012. Habitat use in moose (*Alces alces*) and European bison (*Bison bonasus*) reflected by <sup>13</sup>C and <sup>15</sup>N abundance in bones. In: *7<sup>th</sup> Moose Symposium, book of abstracts*, p. 15.
- F186 Hofman-Kamińska, E., **Bocherens, H.**, Drucker, D.G., Merceron, G., Samojlik, T., Kowalczyk, R., 2012. Historical and contemporary variation in the isotopic composition of bones from European bison and other large herbivores. In: *European bison management – Lessons from the past, Book of abstracts*, p. 8-9.
- F187 Kuitem, M., van der Plicht, J., van Kolfshoten, T., Serangeli, J., **Bocherens, H.** 2012. Stable isotope analysis of well-preserved 300-400 ka year old bone collagen from Schöningen. *Abstracts of the 77<sup>th</sup> SAA Annual Meeting*, p. 204.
- F188 Münzel, S.C., Rivals, F., Pacher, M., Rabeder, G., Conard, N., **Bocherens, H.**, 2012. Behavioural ecology of Late Pleistocene bears (*Ursus spelaeus* and *U. arctos*): insight from stable isotopes and tooth microwear. In: *The 18<sup>th</sup> International Cave Bear Symposium, Baile Herculane, Romania, 20-22 September 2012, Program – Abstracts – Field Trip*, p. 30-31.
- F189 Rougier, H., Crevecoeur, I., Beauval, C., **Bocherens, H.**, Flas, D., Germonpré, M., Semal, P., van der Plicht, J. 2012. New data from an old site: Neandertals at Goyet (Belgium) and their mortuary behavior. *American Journal of Physical Anthropology, Abstracts of the 2012 Conference*. p. 252-253.
- F190 Rougier, H., Crevecoeur, I., Beauval, C., **Bocherens, H.**, Flas, D., Germonpré, M., Semal, P., van der Plicht, J. 2012. Neandertals at the troisième caverne of Goyet (Belgium) and their mortuary behavior. *Bull. Mém. Soc. Anthropol. Paris*. 23: S33-S34.
- 2011**
- F191 **Bocherens, H.**, Bonjean, D., Germonpré, M., Münzel, S., Pacher, M., Wissing, C., 2011. Tracking climatic context of cave occupations in hibernation caves using oxygen stable isotopic ratios ( $\delta^{18}\text{O}$ ) on bone phosphate. *17<sup>th</sup> International Cave Bear Symposium, Einhornhöhle*, p 9-10.
- F192 **Bocherens, H.**, Drucker, D.G., 2011. Isotopic tracking of fossil mammal palaeoecology: implications for evolutionary biology. *13th Congress of the European Society for Evolutionary Biology, Tübingen 2011, All abstracts*, p 251.
- F193 Horacek, M., **Bocherens, H.**, Frischhauf, C., Pacher, M., Rabeder, G., 2011. Stable isotopic analyses of cave bear bones from the Conturines Cave (2800 m, South Tyrol, Italy). *17<sup>th</sup> International Cave Bear Symposium, Einhornhöhle*, p 14-15.
- F194 Julien, M.-A., **Bocherens, H.**, Drucker, D.G., Pushkina, D., Ziegler, R. 2011. Isotopes and palaeoenvironments in Schöningen: methodology and application to some middle and late Pleistocene large herbivores from Germany. *Hugo Obermaier-Gesellschaft für Erforschung des Eiszeitalters und der Steinzeit e.V., 53. Tagung in Herne 26-30 April 2011*, Erlangen, 25.
- F195 Semal, P., Hauzeur, A., Rougier, H., Crevecoeur, I., Pirson, S., Flas, D., Germonpré, M., Jungels, C., Maureille, B., Toussaint, M., **Bocherens, H.**, Haesaerts, P., Higham, T., van der Plicht, J., 2011. The Neandertals of Spy (Belgium) and their context: results of the radiocarbon dating program. *Abstracts ESHE 2011, Leipzig*, p. 102.
- 2010**
- F196 Aiglstorfer, M., **Bocherens, H.**, Böhme, M., Gross, M., Prieto, J. 2010. Gratkorn [A] – A unique terrestrial Sarmatian (~12 Ma) locality - Larger herbivores in outstanding high quality and rich quantity for their time. – *Zitteliana*, 29, S.13-14.
- F197 **Bocherens, H.**, 2010. Stable isotopes in collagen and Late Quaternary carnivore palaeoecology. *Geophysical Research Abstracts* Vol. 12, EGU2010-4583
- F198 **Bocherens, H.**, Germonpré, M., 2010. Contribution of stable isotopes (C,N,S) in collagen of late Pleistocene large mammal trophic ecology and landscape use: a case study in Goyet and Scladina cave (30-40,000 years BP). *Geophysical Research Abstracts* Vol. 12, EGU2010-4603
- F199 **Bocherens, H.**, Drucker, D., Stephan, E., Conard, N., Münzel, S. 2010. The Aurignacian of the Swabian Jura, southwestern Germany: Palaeoenvironmental Reconstruction using Bone Stable Isotope Signatures (<sup>13</sup>C/<sup>12</sup>C, <sup>15</sup>N/<sup>14</sup>N, <sup>18</sup>O/<sup>16</sup>O). *Abstracts of the SAA 75<sup>th</sup> Anniversary meeting*, p. 44.
- F200 Döppes, D., Rosendahl, W., Pacher, M., **Bocherens, H.**, 2010. From climate change to diet change – biochemistry investigations on Late Glacial and Early Holocene brown bear remains from caves in the Alpine region. *Geophysical Research Abstracts* Vol. 12, EGU2010-9787.
- F201 Drucker, D., Bridault, A., Hujic, A., **Bocherens, H.**, 2010. Evolution of habitat and environment of deer during the Late-glacial and early Holocene: the case of red deer in French Jura. *Geophysical Research Abstracts* Vol. 12, EGU2010-4584.

- F202 Julien, M.-A., Drucker, D., **Bocherens, H.**, Burke, A., Patou-Mathis, M., Krotova, A., 2010. Steppe bison paleobiology through the scope of stable isotopes and zooarchaeology. *Geophysical Research Abstracts* Vol. 12, EGU2010-12470.
- F203 Péan, S., **Bocherens, H.**, Drucker, D., 2010. Mammoth meat procurement during the Upper Palaeolithic: evidence from archaeozoology and stable isotope analyses. In: 11<sup>th</sup> International Conference of Archaeozoology, Museum National d'Histoire Naturelle, Paris, p199. BoneCommons, Item #1442, [http://alexandriaarchive.org/bonecommons/exhibits/show/icaz2010paris/session4\\_2/item/1442](http://alexandriaarchive.org/bonecommons/exhibits/show/icaz2010paris/session4_2/item/1442) .
- F204 Péan, S., Drucker, D., **Bocherens, H.**, Haesaerts, P., Valladas, H., Stupak, D., Nuzhnyi, D., 2010. Palaeoecological characterisation of the mammoth steppe at Final Pleistocene in Central Ukraine from zooarchaeology, stable isotope analyses and direct radiocarbon dating. *Geophysical Research Abstracts* Vol. 12, EGU2010-13991
- 2009**
- F205 **Bocherens, H.**, Drucker, D.G., Taubald, H. 2009. Looking for preservation of criteria of collagen sulfur isotopic signatures. 6<sup>th</sup> Bone Diagenesis Meeting 18-21 September 2009, University of Bonn, [www.bone-diagenesis.org](http://www.bone-diagenesis.org): 13.
- F206 **Bocherens, H.**, Pushkina, D., Vignaud, P., Brunet, M. 2009. How to measure carbon and oxygen isotopic signatures of fossil tooth enamel heavily contaminated by oxides? 6<sup>th</sup> Bone Diagenesis Meeting 18-21 September 2009, University of Bonn, [www.bone-diagenesis.org](http://www.bone-diagenesis.org): 50.
- 2008**
- F207 **Bocherens, H.** 2008. Using collagen stable isotopes for reconstructing cave bear diets: recent advances and pitfalls. 14<sup>th</sup> International Cave Bear Symposium, Appenzell, Switzerland, September 18-22, 2008, Abstracts: 6-7.
- F208 Döppes, D., Rosendahl, W., Pacher, M., Imhof, W., Dalmeri, G., **Bocherens, H.** 2008. Stable isotopes investigations of Late Glacial and Early Holocene brown bear finds from caves in the alpine region. 14<sup>th</sup> International Cave Bear Symposium, Appenzell, Switzerland, September 18-22, 2008, Abstracts: 18-20.
- 2007**
- F209 Polet, C., **Bocherens, H.**, Bourdon, C., Godart, J.-F., Vercauteren, M., Slachmuylder, J.-L. 2007. Contributions of dental microwear and stable isotope analysis to dietary reconstruction of ancient Easter Islanders. VII International Conference on Easter Island and the Pacific, Visby, Sweden, August 20-25, 2007. <http://www.islandheritage.org/conference2007.html>
- 2006**
- F210 **Bocherens, H.** 2006. Diet and ecology of Neanderthals. *Terra Nostra*, 2006/2: 46-48.
- F211 **Bocherens, H.**, Hofreiter, M., Münzel, S. C., Conard, N. J. 2006. Human and bear population dynamics and evolutionary trends in Southwestern Germany. *Hugo Obermaier-Gesellschaft für Erforschung des Eiszeitalters und der Steinzeit e.V.*, 48. Tagung in Köln 18-22 April 2006, Erlangen, 12.
- F212 Conard, N. J., **Bocherens, H.**, Bolus, M., Goldberg, P., Münzel, S. C. 2006. Late Neanderthals and the first modern humans in the Swabian Jura. *Terra Nostra*, 2006/2: 107.
- 2005**
- F213 **Bocherens, H.** 2005 - Stable isotopes of bone collagen and the subsistence strategies of European hunter-gatherers, from Neanderthals to Mesolithics. *Geophysical Research Abstracts*, Volume 7.
- F214 **Bocherens, H.**, Drucker, D. G., Billiou, D., Geneste, J.-M., Kervazo, B. 2005. Grotte Chauvet (Ardèche, France) : a "natural experiment" for bone diagenesis in karstic context. *Fifth International Bone Diagenesis Meeting, University of Cape Town*: 7.
- F215 Drucker, D., **Bocherens H.** 2005. Further criteria to assess collagen preservation for isotopic studies. *Fifth International Bone Diagenesis Meeting, University of Cape Town*: 18.
- F216 Jacques, L., Ogle, N., Godiard, F., Merlet, C., Moussa, I., **Bocherens, H.**, Drucker, D., Vignaud, P., Brunet, M., Gril, C., Peiris, J.-M., Kalin, R. 2005. Continuous Flow Mass Spectrometry: a solution for  $\delta^{13}\text{C}$  and  $\delta^{18}\text{O}$  measurement of heavily oxide-contaminated fossil tooth enamel samples. *Fifth International Bone Diagenesis Meeting, University of Cape Town*: 22.
- 2004**
- F217 Bridault, A., Drucker D., **Bocherens, H.**, Arbogast, R.-M., Bégeot, C., Chaix, L., Huon, S., Leroyer, Ch., Limondin, N., Pion, G., Richard, H. 2004. La grande faune chassée, un marqueur des changements environnementaux ? L'exemple de la transition Tardiglaciaire-Holocène. In: (Valentin, B., Bodu, P., Julien, M., eds), *Habitats et peuplements tardiglaciaires du Bassin Parisien, Rapport d'activité pour 2004*, p.79.
- F218 Polet, C., **Bocherens, H.**, Toussaint, M. 2004. Mesolithic and Neolithic subsistence in Belgium: Evidence from stable isotopes. *American Journal of Physical Anthropology*, suppl. 38: 161.
- 2003**
- F219 **Bocherens, H.** 2003. Isotopic variations in bone collagen of ancient bears. *SIMSUG 2003, Program and abstracts*, Bristol: 22.



- F220 **Bocherens, H., Drucker, D., Billiou, D., Gely, B., Geneste, J.-M., Kervazo, B., Moussa, I., Philippe, M.** 2003. Grotte Chauvet (Ardèche, France): a natural experiment for bone diagenesis in karstic context. *Abstracts of Papers of the American Chemical Society*, 225: 130.
- F221 **Bocherens, H., Drucker, D., Péan, S., Patou-Mathis, M.** 2003. Contribution of stable isotopes on the question of mammoth meat consumption by Neandertals and ancient anatomically modern humans. *3<sup>rd</sup> International Mammoth Conference, Program and abstracts, Gov. Yukon, Palaeontology Program, Occasional Papers in Earth Sciences* 5: 29-30.
- F222 **Drucker, D., Bocherens, H.** 2003. Carbon-13 and nitrogen-15 amounts in large herbivorous mammal collagen as a tracer of environmental changes in the mammoth steppe between 50,000 and 10,000 BP in northern Eurasia. *3<sup>rd</sup> International Mammoth Conference, Program and abstracts, Gov. Yukon, Palaeontology Program, Occasional Papers in Earth Sciences* 5: 32-33.
- F223 **Herrscher, E., Valentin, F., Bocherens, H., Colardelle, R.** 2003. Biological pattern changes in a French Medieval population: Implications to reconstruct health status and dietary behaviour. *American Journal of Physical Anthropology* 120(S36): 113-114.
- 2002**
- F224 **Bocherens, H.** 2002. Contribution of biogeochemistry to the reconstruction of Hominid paleobiology. *Geochimica et Cosmochimica Acta* 66(15A): A84.
- F225 **Bocherens, H.** 2002. Contribution of collagen stable isotope biogeochemistry to the reconstruction of the paleobiology of ancient bears (*Ursus spelaeus* and *U. arctos*) in western Europe. *3<sup>rd</sup> International Conference, Applications of stable isotope techniques to ecological studies, Program and abstracts*, Flagstaff: 31.
- F226 **Bocherens, H.** 2002. Contribution of bone stable isotope biogeochemistry to the reconstruction of Neanderthal ecology in Western Europe. *International Council of Archaeozoology, 9<sup>th</sup> Conference, Abstracts*, University of Durham: 21-22.
- F227 **Bocherens, H., Drucker, D.** 2002. Stable isotope biogeochemistry of Upper Pleistocene and Holocene European Equids, Implications for palaeobiological and archaeozoological investigations. *International Council of Archaeozoology, 9<sup>th</sup> Conference, Abstracts*, University of Durham: 22.
- F228 **Bocherens, H., Jaeger, J.-J.** 2002. Modalités de l'expansion de la biomasse à photosynthèse en C<sub>4</sub>: apports de la biogéochimie isotopique du carbone des mammifères fossiles. *Abstracts des présentations de la session par affichage, "Regards croisés sur les changements globaux"*, INRA-CNES-CNFCG-INSU: 41.
- F229 **Bocherens, H., Michaux, J., Garcia-Talavera, F.** 2002. Contribution of collagen stable isotope biogeochemistry to the reconstruction of the paleobiology of extinct endemic giant rat (*Canariomys bravoii*) and giant lizard (*Gallotia goliath*) in Tenerife. *3<sup>rd</sup> International Conference, Applications of stable isotope techniques to ecological studies, Program and abstracts*, Flagstaff: 32.
- F230 **Bridault, A., Bocherens, H., Drucker, D., Arbogast, R.-M., Chaix, L.** 2002. Reconstitution des environnements continentaux du Tardiglaciaire et de l'Holocène ancien (15 000 – 5 000 BP) dans le Jura et les Alpes françaises du Nord. *Colloque Eclipse, Volume des résumés*: 31-32.
- F231 **Crégut-Bonnoure, E., Donat-Ayache, B., Argant, A., Argant, J., Billiou, D., Bocherens, H., Fosse, P., Laudet, F., Debard, E., Hänni, C., Orlando, L., Mourer-Chauviré, C., Oberlin, C., Philippe, M., Thion, M.** 2002. Les avens pièges du Mont Ventoux (Vaucluse, France) : découverte de la plus grande accumulation européenne de restes d'ours burn (*Ursus arctos* L.) et données sur l'environnement holocène en milieu d'altitude. *Theoretical and Applied Karstology Symposium XVIII, Baile Herculane, Romania, Program-Abstracts*: 44-45.
- F232 **Drucker, D., Bocherens, H., Bridault, A., Billiou, D.** 2002. Contribution of collagen stable isotope biogeochemistry to the reconstruction of the paleobiology of ancient cervids (*Cervus elaphus* and *Rangifer tarandus*) in France. *3<sup>rd</sup> International Conference, Applications of stable isotope techniques to ecological studies, Program and abstracts*, Flagstaff: 56.
- F233 **Drucker, D., Bocherens, H.** 2002. Some thoughts about the requirements for quantitative dietary reconstructions of Upper Palaeolithic humans in continental Europe. *International Council of Archaeozoology, 9<sup>th</sup> Conference, Abstracts*, University of Durham: 44.
- F234 **Drucker, D. & Bocherens, H.** 2002. Reconstitution paléocéologique de l'Azilien ancien du Closeau par l'étude des isotopes stables. *Cahiers des thèmes transversaux ArScAn*, 2: 39-40.
- F235 **Mashkour, M., Bocherens, H., Moussa, I.** 2002. Pastoral-nomadism in the Iranian Zagros traced back through isotopic study of intra-individual analysis of tooth enamel. *International Council of Archaeozoology, 9<sup>th</sup> Conference, Abstracts*, University of Durham: 83.
- 2001**
- F236 **Bocherens, H.** 2001. Reconstructing Neanderthal diet from 120,000 to 30,000 BP using carbon and nitrogen isotopic abundances. *XIV International Congress of Prehistoric and Protohistoric Sciences, pre-prints, Université de Liège*: 63.

- F237 **Bocherens, H., Drucker, D.** 2001. Deciphering interactions between humans and carnivores in Middle and Upper Palaeolithic times: the isotopic approach. *XIV International Congress of Prehistoric and Protohistoric Sciences, pre-prints, Université de Liège*: 71-72.
- F238 Child, A. M., Collins, M. J., Vermeer, C., Sokol, R., Gelsthorp, K., **Bocherens, H.** 2001. Osteocalcin – a "long-term" protein. *BAR International series (supplementary)* 939: 100.
- F239 **Drucker, D.**, Gambier, D., **Bocherens, H.**, Mariotti, A. 2001. Influence of climatic changes during the Tardiglacial on hunter-gatherer subsistence strategies in southwestern France: the isotopic approach. *XIV International Congress of Prehistoric and Protohistoric Sciences, pre-prints, Université de Liège*: 64-65.
- F240 **Herrscher, E., Bocherens, H.**, Valentin, F., Colardelle, R. 2001. Change in dietary behaviour over the life span and its impact on a French late Medieval population health (Saint-Laurent de Grenoble, France). *American Journal of Physical Anthropology* 114(S32): 79-80.
- F241 **Herrscher, E., Bocherens, H.**, Valentin, F. & Colardelle, R. 2001. Contribution of animal proteins in Medieval diets: isotopic biogeochemistry of Saint-Laurent Cemetery. *XIV International Congress of Prehistoric and Protohistoric Sciences, pre-prints, Université de Liège*: 315.
- F242 **Polet, C., Bocherens, H.** 2001. L'alimentation de juvéniles mésolithiques et néolithiques du bassin mosan (Belgique): apport des analyses isotopiques. *Bulletin et Mémoires de la Société d'Anthropologie de Paris* 13(1-2): 182.
- F243 Ribot, I., Orban, R., **Polet, C., Bocherens, H.**, Maret, P. de 2001. Les squelettes juvéniles de Shum Laka (Cameroun, "Late Stone Age" – Age du Fer): pratiques funéraires, maladies, régime alimentaire. *Bulletin et Mémoires de la Société d'Anthropologie de Paris* 13(1-2): 186.
- 2000**
- F244 **Bocherens, H.** 2000 – Apport des isotopes stables pour l'étude des stratégies de subsistance: exemple de la transition mésolithique-néolithique en Europe. *Bulletin et Mémoires de la Société d'Anthropologie de Paris* 12: 477.
- F245 **Bocherens, H.**, Collins, M., Nielsen-Marsh, C. & Gernaey, A. 2000. Pluridisciplinary investigations of bone diagenesis in a 6,000 years old site (Bercy, Paris, France). *TD News* 7: 3.
- F246 **Bocherens, H.**, Tresset, A., Bridault, A., Vigne, J.-D., Chambon, P., Giligny, F. 2000. Modes d'exploitation des ressources animales par des populations mésolithiques et néolithiques du Bassin Parisien: implications de l'archéozoologie et de la biogéochimie des restes osseux. In: *XXVe Congrès Préhistorique de France "Approches fonctionnelles en Préhistoire", Programme et Résumé des Communications*, Société Préhistorique française: 84-86.
- F247 **Balter, V.**, Saliège, J.-F., **Bocherens, H.**, Person, A. 2000. Physico-chemical and isotopic balances of controlled selective etching of archaeological bones. *TD News* 7: 1.
- F248 **Drucker, D., Bocherens, H.**, Mariotti, A. 2000. Collagen preservation in fossil remains from upper Palaeolithic sites in France. *TD News* 7: 7.
- F249 **Herrscher, E., Bocherens, H.** 2000. Dietary behaviour in past population and its evolution over the life span. Methodological aspects of isotopic biogeochemistry (<sup>13</sup>C, <sup>15</sup>N). *European Journal of Clinical Nutrition* 54: S10.
- F250 **Reiche, I.**, Favre-Quatropani, L., **Bocherens, H.**, Charlet, L., Vignaud, C., Menu, M. 2000. The influence of the environment in uptake of trace elements by buried bones. *TD News* 7: 24.
- F251 Roche, H., **Bocherens, H.**, Brugal, J.-P., Feibel, C., Kibunjia, M., Texier, P.-J., **Wiedemann, F.** 2000. Ouest Turkana (Kenya) : données environnementales et variabilité des comportements techniques des hominidés plio-pléistocènes. In : *Les Hominidés et leurs environnements, histoire et interactions*, Résumés (M. Brunet & P. Vignaud, Eds): 54.
- F252 **Wiedemann, F., Bocherens, H.**, Brugal, J.-P., Roche, H., Fogel, M. L. 2000. Stable isotope analyses in herbivore teeth from West Turkana: fine-tuned analytical time resolution and sub-annual habitat variability. In : *Les Hominidés et leurs environnements, histoire et interactions*, Résumés (M. Brunet & P. Vignaud, Eds): 62.
- F253 **Zazzo, A., Bocherens, H.**, Lécuyer, C., Brunet, M., Vignaud, P., Mariotti, A. 2000. Comparative preservation of oxygen isotope composition of coexisting carbonate and phosphate in fossil tooth enamel and dentine. *TD News* 7: 34.
- 1999**
- F254 **Bocherens, H.** 1999. Applied isotope geochemistry to palaeoenvironmental reconstructions: Glacial/Interglacial food webs in Western Europe and the Neandertals. *3<sup>rd</sup> International Symposium on Applied Isotope Geochemistry, Program and Abstracts*: 30.
- F255 **Herrscher, E., Bocherens, H.**, Valentin, F., Colardelle, R. 1999. Evolution de l'alimentation d'une population médiévale (13e-15e siècle, Saint-Laurent de Grenoble, Isère) d'après l'analyse de l'isotope stable de l'azote (<sup>15</sup>N): premiers résultats. *Bulletin et Mémoires de la Société d'Anthropologie de Paris* 11(3/4): 492.

- F256 Nguyen Tu, T. T., Derenne, S., Largeau, C., Mariotti, A., **Bocherens, H.** 1999. Isotopic analysis of individual compounds: a reliable tool to investigate fossil plant isotopic signal. *19<sup>th</sup> International Meeting on Organic Geochemistry, Abstracts Part I*: 95-96.
- F257 Nguyen Tu, T. T., Derenne, S., Largeau, C., Mariotti, A., **Bocherens, H.**, Pons, D. 1999. Effects of fungal infection on extract composition of higher plant remains. Analysis of shoots of a Cenomanian conifer invaded by extinct fungi. *19<sup>th</sup> International Meeting on Organic Geochemistry, Abstracts Part I* : 555-556.
- 1998**
- F258 **Bocherens, H.**, Tresset, A., Bridault, A., Vigne, J.-D., Chambon, P., Giligny, F. 1998. Palaeoenvironmental and palaeodietary implications of collagen isotopic geochemistry of Mesolithic and Neolithic populations in the Paris Basin (France). In: *"11th Congress of the European Anthropological Association, Humans and Environment"* Program Abstract: 32-33.
- F259 **Bocherens, H.**, Zazzo, A., Brunet, M., Mackaye, H., Vignaud, P. 1998. Palaeoenvironmental evolution in Pliocene Chad using carbon and oxygen isotopes in mammal teeth *Journal of Vertebrate Paleontology (Abstracts)* 18(3): 28A.
- F260 Balasse, M., Tresset, A., **Bocherens, H.**, Vigne, J.-D., Mariotti, A. 1998. The "post-lactation slaughtering" hypothesis: an isotopic evaluation on neolithic cattle bones In: *"La gestion démographique des animaux à travers le temps"* Résumés/Abstracts: 5.
- F261 Drucker, D., **Bocherens, H.**, Gambier, D., Mariotti, A. 1998. Palaeoenvironmental and palaeodietary reconstructions of Upper Palaeolithic humans in southwestern France. In: *"11th Congress of the European Anthropological Association, Humans and Environment"* Program Abstracts: 7-8.
- F262 Nguyen Tu, T. T., Mariotti, A., **Bocherens, H.**, Derenne, S., Largeau, C. 1998. Isotopic analysis of individual compounds: a tool to investigate fossil plants isotopic signal. *Mineralogical Magazine, Abstracts volume 62A (1-3)*: 1079-1080.
- F263 Nguyen Tu, T. T., Derenne, S., Largeau, C., Mariotti, A., **Bocherens, H.** 1998. Comparison of leaf lipids from a fossil Ginkgoale and its modern counterpart at two degradation stages. *Mineralogical Magazine, Abstracts volume 62A (1-3)*: 11081-1082.
- F264 Reiche, I. Quattropiani, L., **Bocherens, H.**, Charlet, L., Menu, M. 1998. Archaeological objects as a record of sediment redox conditions in the Past. *Mineralogical Magazine, Abstracts volume 62A (1-3)*: 1245-1246.
- F265 Schweissing, M. M., Grupe, G., **Bocherens, H.** 1998. Weaning age determination on intra-individual variability of nitrogen isotopic composition of tooth collagen from a three year old child (400 AD) from Alternerring-Klettham (Bavaria, Germany). In: *"11<sup>th</sup> Congress of the European Anthropological Association, Humans and Environment"* Program Abstracts: 65.
- 1997**
- F266 **Bocherens, H.** 1997. Apports de la biogéochimie isotopique du collagène à l'étude des stratégies de subsistance des néandertaliens. In: *"23<sup>ème</sup> Colloque des Anthropologistes de Langue Française - GALF"* Programme scientifique et social: 10.
- F267 **Bocherens, H.**, Tresset, A., Bridault, A., Leroyer, C. 1997. Implications paléoenvironnementales de la composition isotopique d'os mésolithiques et néolithiques du bassin parisien. In: *"Colloque d'Archéométrie, Archéométrie 97"* Programme et Résumés: 114.
- F268 Balasse M., **Bocherens H.**, Tresset A. & Mariotti A. 1997. Application de la biogéochimie isotopique à la détermination de l'âge au sevrage de populations animales archéologiques: étude du matériel bovin du site néolithique de Bercy (Paris). In: *"Colloque d'Archéométrie, Archéométrie 97"* Programme et Résumés: 130.
- F269 Drucker, D., **Bocherens, H.**, Mariotti, A., Vandermeersch, B., Lévêque, F., Guadelli, J.-L. 1997. Signatures isotopiques d'ossements diagénétiquement altérés. In: *"23<sup>ème</sup> Colloque des Anthropologistes de Langue Française - GALF"* Programme scientifique et social: 11.
- F270 Fogel, M. L., Aguilar, C., **Bocherens, H.**, Johnson, B. J., Keil, R. G., Teece, M. A., Tuross, N. 1997. Isotope biogeochemistry of the amino acids: Dynamic tracers of processes and biosynthesis. *18<sup>th</sup> International Meeting on Organic Geochemistry, Abstracts, part I*: 23-24.
- F271 Nguyen Tu, T. T., **Bocherens, H.**, Mariotti, A., Derenne, S., Largeau, C., Pons, D., Broutin, J. 1997. Isotopic and molecular studies of Cenomanian terrestrial higher plants: palaeoenvironmental implications. *18<sup>th</sup> International Meeting on Organic Geochemistry, Abstracts, part I*: 843-844.
- 1996**
- F272 **Bocherens, H.** 1996. Isotopic biogeochemistry as a marker of Neandertals' diet. In: *"Gesellschaft für Anthropologie e.V., 2. Kongress, 3.6. Oktober 1996 Berlin"* Tagungsprogramm: 7.
- F273 **Bocherens, H.**, Grupe, G., Mariotti, A., Turban-Just, S., Billiou, D., Weickmann, D. 1996. Molekularer Erhalt und Isotopie der mesolithischen Slettfunde aus der Ofnethöhle. In: *"Gesellschaft für Anthropologie e.V., 2. Kongress, 3.6. Oktober 1996 Berlin"* Tagungsprogramm: 77.
- F274 **Bocherens, H.**, Person, A., Mariotti, A., Bellon, G., Borel, J.P. 1996. Diagenetic evolution of late Cretaceous bones. *TD News* 5: 26.

- F275 **Bocherens, H.**, Tresset, A., Wiedemann, F., Giligny, F., Lafage, F., Lanchon, Y., Mariotti, A. 1996. Bone diagenetic evolution in two French Neolithic sites. *TD News* 5: 27.
- F276 Blondel, C., **Bocherens, H.**, Mariotti, A. 1996. State of preservation of the stable carbon and oxygen isotope ratios in ungulate teeth from French Eocene - Oligocene localities. *TD News* 5: 25.
- F277 Dufour, E., Cappetta, H., **Bocherens, H.**, Denis, A., Mariotti, A. 1996.  $\delta^{18}\text{O}$  et composition chimique élémentaire des otolithes pliocènes du Sud-Est de la France. *RST96*, Soc. géol. Fr. Edit.: 10.
- F278 Gröcke, D.R., **Bocherens, H.**, Mariotti, A. 1996. Diet and trophic relationships of birds using stable isotope ratios of flight feathers from Kangaroo Island, South Australia. In *Australian Organic Geochemistry Conference 1996 Programme and Abstracts*, Curtin University, Perth, Australia: 54-55.
- F279 Hänni, C., Delefosse, T., Taberlet, P., **Bocherens, H.** 1996. DNA amplifications from ancient cave bear bones. *TD News* 5: 41.
- F280 Iacumin, P., **Bocherens, H.**, Mariotti, A., Longinelli, A. 1996. Oxygen isotope analysis of coexisting carbonate and phosphate in biogenic apatite: A way to monitor diagenetic alteration of bone phosphate? *TD News* 5: 44.
- F281 Person, A., **Bocherens, H.**, Colinart, S., Saliège, J.-F. 1996. Experimental heating of bone carbonate hydroxylapatite: a mineralogical and geochemical approach. *TD News*, 5: 55.
- 1995**
- F282 **Bocherens, H.** 1995. Assessment of the preservation of isotopic signals ( $^{13}\text{C}$ ,  $^{15}\text{N}$ ) in Pleistocene bones and teeth from Western European localities. *Terra Nova*, (Abstract supplement n°1) 7: 237.
- F283 Iacumin, P., **Bocherens, H.**, Longinelli, A., Mariotti, A. 1995. A palaeoclimatological and palaeoenvironmental study on human skeletal remains from the Nile Valley. *Terra Nova*, (Abstract supplement n°1) 7: 237.
- F284 Iacumin, P., Delgado Huertas, A., **Bocherens, H.**, Mariotti, A., Longinelli, A. 1995. O, C and N isotope study on phosphate and collagen from a fossil bone and tooth sequence, "Paglicci" Cave, S. Italy, 26,000 to 11,400 years B.P. *Terra Nova*, (Abstract supplement n°1) 7: 238.
- F285 Person, A., **Bocherens, H.** 1995. X-ray diffractometry study of the diagenetic evolution of bone phosphate: implications for the preservation of biogenic signals in fossil bones. *Terra Nova*, (Abstract supplement n°1) 7: 239.
- 1992**
- F286 **Bocherens, H.**, Fizet, M., Mariotti, A. 1992. Is collagen from teeth or bones equivalent for isotopic ( $^{13}\text{C}$ ,  $^{15}\text{N}$ ) diet investigations? *5<sup>th</sup> North American Paleontological Convention, Paleont. Soc. Spec. Publ.* 6: 30. <https://doi.org/10.1017/S2475262200005906>
- F287 **Bocherens, H.**, Fizet, M., Mariotti, A. 1992 - Fossil bears diet, physiology and ecology as inferred by stable carbon and nitrogen isotope biogeochemistry. *Journal of Vertebrate Paleontology* 12(3): 19A.
- F288 **Bocherens, H.**, Friis, E.M., Mariotti, A., Pedersen, K.R. 1992. Preliminary results of carbon isotopic research of CAM and C4-plants during Mesozoic times. *IOP Informations* 16B: 28.
- 1991**
- F289 **Bocherens, H.**, Mariotti, A., Fizet, M., Borel, J.-P., Bellon, G. 1991. Dinosaur diets as revealed by isotope biogeochemistry ( $^{13}\text{C}$ ,  $^{15}\text{N}$ ) of bone fossil organic matter. In: Fifth Symposium on Mesozoic Terrestrial Ecosystems and Biota. Extended Abstracts. *Contributions from the Paleontological Museum, University of Oslo* 364: 7-8.
- 1989**
- F290 Jaeger, J.-J., **Bocherens, H.**, Dalfes, N., Mazin, J.-M., Sen, S. 1989. Mammalian biochronology in Turkey: interest and implications. *TERRA Abstracts* 1: 418.