



XX INTERNATIONAL CONGRESS OF GENETICS 2008

BERLIN, GERMANY, JULY 12 – 17, 2008

SCIENTIFIC PROGRAM

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KEYNOTE & PLENARY LECTURES

Richard Axel, USA (Nobel Laureate)
Elizabeth Blackburn, USA
Mario Capecchi, USA (Nobel Laureate)
Rudolf Jaenisch, USA
Antoine Kremer, France
Eric Lander, USA

Christiane Nusslein-Volhard, Germany (Nobel Laureate)
Yoshinori Ohsumi, Japan
Svante Pääbo, Germany
Phillip A. Sharp, USA (Nobel Laureate)
Oliver Smithies, USA (Nobel Laureate)

2008 Gruber Genetics Prize Laureate (to be announced).

CONCURRENT SYMPOSIA

TOPIC

AGING & LONGEVITY

Chair: Partridge, Linda
Speakers: Partridge, L. (UK) / Dillin, A. (US) / Kennedy, B. (US)

AGRICULTURAL APPLICATIONS

Chair: Georges, Michel
Speakers: Goddar, M. (AU) / Doebley, J. (US) / Buckler, E. (US)

BEHAVIOR

Chair: Sokolowski, Marla
Speakers: Sokolowski, M. (CA) / Kyriacou, C. P. (UK) / Boomsma, D. (NL)

BIODIVERSITY/ADAPTATION

Chair: Tautz, Diethard
Speakers: Tautz, D. (DE) / Ellegren, H. (CH) / Savolainen, O. (FI)

BIOTECHNOLOGY

Chair: Pühler, Alfred
Speakers: Pühler, A. (DE) / Fusenegger, M. (CH) / Nielsen, J. (DK)

CANCER GENETICS

Chair: Stratton, Mike
Speakers: Stratton, M. (UK) / Rahman, N. (UK) / Berns, A. (NL)

CHROMOSOME SEGREGATION

Chair: Orr-Weaver, Terry
Speakers: Orr-Weaver, T. (US) / Uhlmann, F. (UK) / Kops, G. (NL)

CLOCKS & RHYTHMS

Chair: Takahashi, Joseph
Speakers: Takahashi, J. (US) / Green, C. (US) / Kay, S. (US)

COMPLEX TRAITS

Chair: Donnelly, Peter
Speakers: Donnelly, P. (UK) / Barret, J. (UK) / Kong, A. (IS)

COMPARATIVE GENOMICS

Chair: Bennetzen, Jeff
Speakers: Bennetzen, J. (US) / Bergman, C. (UK) / Ochman, H. (US)

COMPUTATIONAL GENOMICS

Chair: Birney, Ewan
Speakers: Birney, E. (UK) / Guigó, R. (ES) / Beck, S. (UK)

DEVELOPMENTAL GENETICS (1): SIGNALLING

Chair: Wieschaus, Eric (Nobel Laureate)
Speakers: Wieschaus, E. (US) / Leyser, O. (UK) / Stainier, D. (US)

DEVELOPMENTAL GENETICS (2): MOVEMENT

Chair: Han, Min
Speakers: Han, M. (US) / Parkhurst, S. (US) / Raz, E. (DE)

TOPIC

EPIGENETICS (1): MECHANISMS & CHROMATIN

Chair: Berger, Shelly
Speakers: Berger, S. (US) / Paro, R. (CH) / Henikoff, S. (US)

EPIGENETICS (2): DEVELOPMENT

Chair: Klar, Amar
Speakers: Klar, A. (US) / Matzke, M. (AT) / Surani, A. (UK)

EVOLUTION/SPECIATION

Chair: Ting, Chau-Ti
Speakers: Ting, C.-T. (CN) / Orr, A. (US) / Weigel, D. (DE)

EVOLUTION OF DEVELOPMENT

Chair: Kaufman, Thomas
Speakers: Kaufman, T. (US) / Duboule, D. (CH) / Hasebe, M. (JP)

EVOLUTIONARY GENOMICS

Chair: Clark, Andy
Speakers: Clark, A. (US) / Philippe, H. (CA) / Carvalho, B. (BR)

EVOLUTION OF HUMANS

Chair: Di Rienzo, Anna
Speakers: Di Rienzo, A. (US) / McVean, G. (UK) / Hammer, M. (US)

GENETIC MODEL ORGANISMS: DISCOVERY TO TRANSLATION

Chair: Spradling, Allan
Speakers: Spradling, A. (US) / Steel, K. (UK) / Xu, T. (US)

GENETICS AND WORLD HUNGER

Chair: Briggs, Steve
Speakers: Briggs, S. (US) / Zhen Zhu (CN) / Gressel, J. (IL)

GENETICS OF CELL BIOLOGY

Chair: Cooley, Lynn
Speakers: Cooley, L. (US) / Rao, Yi (CN) / Podbilewicz, B. (IL)

GENETICS OF FUNGI

Chair: Kahmann, Regine
Speakers: Kahmann, R. (DE) / Bonfante, P. (IT) / Heintzen, C. (UK)

GENETICS OF PARASITISM

Chair: Hill, Adrian
Speakers: Hill, A. (UK) / Dessein, A. (FR) / Burdon, J. J. (AU)

GENETICS OF SEX

Chair: Barton, Nick
Speakers: Barton, N. (UK) / Logsdon, J. (US) / de Visser, A. (NL)

GENETICS OF SYMBIOSIS

Chair: Holub, Eric
Speakers: Andersson, S. (SE) / Holub, E. (UK) / Parniske, M. (DE)

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GENOME-ENVIRONMENT INTERACTIONS/ECOLOGY

Chair: Nadeau, Joe
Speakers: Nadeau, J. (US) / Hobbs, H. (US) / Hall, M. (CH)

HISTORY OF GENETICS

Chair: Barahona, Ana
Speakers: Barahona, A. (MX) / Rheinberger, H.-J. (DE) / Kevles, D. (US)

HUMAN DISEASES: ANIMAL MODELS

Chair: Jenkins, Nancy
Speakers: Jenkins, N. (SG) / Bonini, N. (US) / Stewart, C. (SG)

HUMAN GENETICS (1)

Chair: Chakravarti, Aravinda
Speakers: Chakravarti, A. (US) / Majumder, P. P. (IN) / Liu, E. (SG)

HUMAN GENETICS (2)

Chair: Reis, André
Speakers: Reis, A. (DE) / Eichler, E. (US) / Stefansson, K. (IS)

IMMUNOGENETICS

Chair: Akira, Shizuo
Speakers: Akira, S. (JP) / Cooper, M. (US) / Rajewsky, K. (US)

INFECTION

Chair: Liu, Edison
Speakers: Beutler, B. (US) / Hibberd M. L. (SG) / Lemaitre, B. (CH)

MAMMALIAN GENETICS

Chair: Schimenti, John
Speakers: Schimenti, J. (US) / Ostrander, E. (US) / Hayashizaki, Y. (JP)

METAGENOMICS

Chair: Eisen, Jonathan
Speakers: Eisen, J. (US) / Jansson, J. (SE) / Rodriguez-Valera, F. (ES)

MICROBIAL GENETICS

Chair: Araki, Hiroyuki
Speakers: Araki, H. (JP) / Komeili, A. (US) / Jenal, U. (CH)

MUTATION/DNA REPAIR / RECOMBINATION

Chair: Lindahl, Tomas
Speakers: Lindahl, T. (UK) / Niedernhofer, L. (US) / Klungland, A. (NO)

NEUROGENETICS (1)

Chair: Bellen, Hugo
Speakers: Dickson, B. (AT) / Bargmann, C. (US) / Zoghbi, H. (US)

NEUROGENETICS (2)

Chair: Shin, Hee-Sup
Speakers: Shin, H.-S. (KR) / Bellen, H. (US) / Bucan, M. (US)

OMICS: GENOMICS, TRANSCRIPTOMICS, PROTEOMICS, METABOLOMICS

Chair: Aebersold, Ruedi
Speakers: Aebersold, R. (CH) / Oliver, S. (UK) / Claude-Gavin, A. (DE)

TOPIC

PHARMACOGENOMICS

Chair: Frazer, Kelly
Speakers: Frazer, K. (US) / Lindpaintner, K. (CH) / Johnson, J. (US)

PLANT GENETICS

Chair: Smyth, David
Speakers: Smyth, D. (AU) / Martienssen, R. (US) / Franklin-Tong, V. (UK)

POPULATION GENETICS

Chair: Charlesworth, Deborah
Speakers: Charlesworth, D. (UK) / Stephan, W. (DE) / Wakeley, J. (USA)

QUANTITATIVE AND STATISTICAL GENETICS

Chair: Mackay, Trudy
Speakers: Mackay, T. (US) / Flint, J. (UK) / Steinmetz, L. (DE)

RNA WORLD (1): RNA MACHINES

Chair: Izaurrealde, Elisa
Speakers: Izaurrealde, E. (DE) / Siomi, M. (JP) / Patel, D. (US)

RNA WORLD (2): microRNAs AND ENDOGENOUS siRNAs

Chair: Baulcombe, David C.
Speakers: Baulcombe, D. (UK) / Meister, G. (DE) / Kim, N. (R)

SOCIETAL, ETHICAL, LEGAL ISSUES OF GENETICS (SELIG)

Chair: Knoppers, Bartha M.
Speakers: Knoppers, B. (CA) / Kaan Sheun-hung, T. (SG) / Otlowski, M. (AU)

STEM CELLS

Chair: Lehmann, Ruth
Speakers: Lehmann, R. (US) / Buckingham, M. (FR) / Schöler, H. (DE)

SYNTHETIC BIOLOGY

Chair: Church, George
Speakers: Church, G. (US) / Smolke, C. (US) / Panke, S. (CH)

SYSTEMS BIOLOGY/IT

Chair: Koller, Daphne
Speakers: Koller, D. (USA) / Bork, P. (D) / Segal, E. (IL)

TEACHING GENETICS

Chair: Nellen, Wolfgang and Moore, Andrew S.
Speakers: Griffiths, T. (CA) / Moore, A. (DE) / Nellen, W. (DE) / Micklos, D. (US)

TECHNOLOGY/BIOIMAGING

Chair: Frommer, Wolf
Speakers: Frommer, W. (US) / Miyawaki, A. (JP) / Deisseroth, K. (US)

VETERINARY GENETICS

Chair: Haley, Chris
Speakers: Haley, C. (UK) / Bradley, D. (IE) / Andersson, L. (SE)

LAST MINUTE EXCITEMENT

Chair: Batterham, Phil
Speakers: N.N. / N.N. / N.N.

To learn more about these speakers and the scientific program, please visit the Congress website.

DEADLINE

→ Standard Registration Fee Deadline:
May 31, 2008



www.geneticsberlin2008.com

R. Balling, Braunschweig

(President, ICG Berlin; Co-Chair, Program Committee)

C. Langley, UC Davis (Co-Chair, Program Committee)

A. Nordheim, Tübingen (Secretary General, ICG Berlin)

International
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