



**GENETICS – UNDERSTANDING LIVING SYSTEMS**  
**XX INTERNATIONAL CONGRESS OF GENETICS**  
**BERLIN, GERMANY, JULY 12–17, 2008**

A CONGRESS UNDER THE AUSPICES OF THE INTERNATIONAL GENETICS FEDERATION (IGF)

SECOND ANNOUNCEMENT  
SCIENTIFIC PROGRAM  
REGISTRATION & ACCOMMODATION  
CALL FOR ABSTRACTS

[WWW.GENETICSBERLIN2008.COM](http://WWW.GENETICSBERLIN2008.COM)



German  
Genetics  
Society  
(IGF)

IN PARTNERSHIP WITH  
**nature**  
**genetics**

## IMPORTANT DATES

**Abstract Submission Deadline**  
January 15, 2008

**Deadline Early Registration Fee**  
January 15, 2008

**Late Breaker Abstract Deadline**  
April 15, 2008

**Deadline Standard Registration Fee**  
May 31, 2008

**Closing of Online Registration**  
(on-site registration still possible thereafter)  
July 5, 2008

## CONGRESS SECRETARIAT

K.I.T. GmbH  
Association & Conference  
Management Group & Co. KG  
Kurfürstendamm 71  
10709 Berlin  
Germany  
Phone: +49-30-246 03-0  
Fax: +49-30-246 03-200  
Info@geneticsberlin2008.com  
www.geneticsberlin2008.com

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# WELCOMING MESSAGES

The field of genetics continues to witness impressive advances in understanding the hereditary basis of the structure, function and evolution of living systems. The next **International Congress of Genetics**, to be held in Berlin, Germany, July 12-17, 2008, will address the latest developments in this exciting frontier of science.

Genomics, the study of complete genomes, has revolutionized genetic research. Genome sequencing is currently performed at breath-taking speed and accuracy. Complete and annotated genome sequences and comprehensive maps of polymorphism are available for more than 250 model organisms, including the genomes of man and our closest relative, the chimpanzee. Genome architectures and structure-function relationships of complex macromolecular assemblies are being elucidated in ever greater depth. The RNA world reveals unforeseen functions. Genome-wide transcriptome and proteome analyses are widely available. Powerful technologies are at hand to generate both heritable and transient genetic perturbations. Importantly, comparative genomics provides deep insights into evolutionary mechanisms underlying genetic variation, adaptation and speciation. Genomic polymorphisms among humans reveal a rich picture of our recent evolutionary history as well as the genetic, epigenetic and environmental contributions to disease risk. Impressive progress has already been made in the bioinformatic and mathematic integration of genomic data. Computational analyses of genomic data and the simulation of models of biological systems are yielding the new discipline of computational genetics as well as the first steps toward a synthetic biology.


The ICG in Berlin will present the latest genetic and genomic insights in 10 plenary lectures and 54 concurrent symposia. 280 of the world's most prominent genetics researchers will speak.

We welcome you heartily to join us at the **XX International Congress of Genetics**, Berlin, 2008.



  
Prof. Dr. Rudi Balting  
Congress President



  
Prof. Dr. Alfred Nordheim  
Secretary General

Berlin welcomes the participants in the **XX International Congress of Genetics** to Germany's capital city.

This international congress has taken place in Berlin before, in 1927. In the 80 years since, genetic research has led to results that are nothing short of revolutionary, radically changing our view of the world. The 20th congress, to be held in 2008, will also offer its participants the opportunity to discuss the latest research findings and to learn about dramatic advances being made in an area of science that has fascinated humanity from its earliest beginnings.

Berlin is delighted to be hosting this international congress. As a congress and trade fair venue, Germany's capital offers ideal conditions for successful conferences. At the same time, as a center of excellence in science and academics, Berlin is a major location for today's life sciences. Many renowned research institutions are active in Berlin at places like the Berlin-Buch Campus. These cooperate closely with medical facilities like the famous Charité. The city's colleges and universities attract talented people from all over the world, while Berlin will be expanding its world-class research activities considerably in the next few years.

You can thus look forward to an exciting congress, many interesting encounters, and a city that is both open to the world and undergoing rapid change. It guarantees you not only ideal conditions for your meeting, but - with its fascinating array of cultural options, its operas, theaters, museums, galleries, and clubs, and its inviting restaurants - gives you good reason to explore the city outside your congress sessions.

I would like to wish you a good trip to Berlin and an unforgettable stay in our city!



  
Klaus Wowereit  
Governing Mayor of Berlin

The International Genetics Federation (IGF) is an association of national genetics societies interested in promoting the advancement of the science of genetics. The IGF is governed by a Representative Council that meets every five years at the **International Congress of Genetics (ICG)** to choose the venue of the next Congress, to elect IGF officers and members of the Executive Board, and to set dues, make or affirm policy decisions, and amend the IGF Constitution as needed.

The **International Congress of Genetics (ICG)** serves to reflect on progress made in genetics, to celebrate the best of contemporary research and to anticipate future developments in the discipline. Also, benefits and wider implications of genetic research to societies at large are explored. The Congress has been held in many major cities around the world, with the last one (XIX International Congress of Genetics) taking place in Melbourne, Australia (2003). This event celebrated the 50th anniversary of the discovery of the structure of DNA by J. Watson and F. Crick. In 2008, the **XX International Congress of Genetics** will be hosted in Berlin, Germany. This will be for the first time since the 1920's that the ICG assemblies in Germany again. The 2008 event will display the entire recent excitement derived from the new capabilities for rapid complete genome sequencing.

Year	Congress Venue	Congress President	Secretary General
1899	London, England	J.J. Trevor Lawrence	W. Wilks
1902	New York, USA	James Wood	Leonard Barron
1906	London, England	William Bateson	W. Wilks
1911	Paris, France	Ives Delage	P. De Vilmorin
1927	Berlin, Germany	Erwin Baur	Hans Nachtshelm
1932	Ithaca, USA	Thomas Hunt Morgan	R.A. Emerson
1939	Edinburgh, Scotland	F.A.E. Crew	-
1948	Stockholm, Sweden	H.J. Muller	G. Dahlberg
1953	Bellagio, Italy	R.B. Goldschmidt	G. Montalenti
1958	Montreal, Canada	Sewall Wright	J.W. Boyes
1963	The Hague, The Netherlands	Ernst Hadorn	C.L. Rümke
1968	Tokyo, Japan	Hitoshi Kihara	Yataro Tazima
1973	Berkeley, USA	Curt Stern	Spencer W. Brown
1978	Moscow, USSR	N.V. TsiTsin	D.K. Belyaev
1983	New Dehli, India	M.S. Swaminathan	V.L. Chopra
1988	Toronto, Canada	Robert H. Haynes	David B. Walden
1993	Birmingham, England	Ralph Riley	Derek Smith
1998	Beijing, China	C.C. Tan	Shouyi Chen
2003	Melbourne, Australia	Jim Peacock	Phillip Batterham
2008	Berlin, Germany	Rudi Balling	Alfred Nordheim

## CONGRESS PRESIDENT



Rudi Balling, Braunschweig, Germany  
Vice President of the German Genetics Society (GfG)

## SECRETARY GENERAL



Alfred Nordheim, Tübingen, Germany  
President of the German Genetics Society (GfG)

## ADVISOR



Phil Batterham, Melbourne, Australia  
International Genetics Federation (IGF)

## HONORARY PRESIDENTS



Christiane Nüsslein-Volhard  
(Nobel Laureate) Tübingen, Germany



Tomoko Ohta  
Mishima, Japan



Rudolf Jaenisch  
Cambridge, USA

## TEACHING GENETICS COMMITTEE

Wolfgang Nellen, Kassel, Germany

## SELIG COMMITTEE

(Social, Ethical, Legal Issues of Genetics)

Bartha M. Knoppers, Montréal, Canada

## INTERNATIONAL PROGRAM COMMITTEE (IPC)

Rudi Balling (Co-Chair), Braunschweig, Germany  
Charles H. Langley (Co-Chair), Davis, USA

## MEMBERS OF THE INTERNATIONAL PROGRAM COMMITTEE (IPC)

Shizuo Akira, Osaka, Japan  
David Altschuler, Cambridge, USA  
Leif Andersson, Uppsala, Sweden  
Siv Andersson, Uppsala, Sweden  
Myles Axton (Nature Genetics), New York, USA  
Rudi Balling (Co-Chair), Braunschweig, Germany  
Ana Barahona, Tlalpan, Mexico  
Dan Bradley, Dublin, Ireland  
Steve Brown, Harwell, UK  
A. Bernardo Carvalho, Rio de Janeiro, Brasil  
Jean-Laurent Casanova, Paris, France  
Deborah Charlesworth, Edinburgh, UK  
Jason Chin, Cambridge, UK  
George Church, Boston, USA  
Lynn Cooley, New Haven, USA  
Anna Di Rienzo, Chicago, USA  
Denis Duboule, Geneva, Switzerland  
Richard Durbin, Hinxton, UK  
Jeff Duyk, Huntsville, USA  
Jonathan Eisen, Davis, USA  
Stanley Fields, Seattle, USA  
Barry Ganetzky, Wisconsin, USA  
Anthony J.F. Griffith, Vancouver, Canada  
David Haussler, Santa Cruz, USA  
Phil Hieter, Vancouver, Canada  
Jan H.J. Hoeijmakers, Rotterdam, Holland  
Jules A. Hoffmann, Strasbourg, France  
Florian Holtsboer, Munich, Germany  
Nancy Jenkins, Singapore  
Mark Johnston, St. Louis, USA

Juha Kere, Stockholm, Sweden  
Amar Klar, Frederick, USA

Bartha M. Knoppers, Montréal, Canada  
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Ronald Plasterk, Utrecht, Holland  
Alfred Pühler, Bielefeld, Germany  
Jens Reich, Berlin, Germany  
André Reis, Erlangen, Germany  
Pam Ronald, Davis, USA  
Phillip Sharp, Cambridge, USA (Nobel Laureate)  
Hi-Sup Shin, Seoul, Korea (South)  
David Smyth, Melbourne, Australia  
M.B. Sokolowski, Toronto, Canada  
Allan Spradling, Baltimore, Md, USA  
Diethart Tautz, Plön, Germany  
Chau-Ti Ting, Hsinchu, Taiwan  
Dietlef Weigel, Tuebingen, Germany  
Eric Wieschaus, Princeton, USA (Nobel Laureate)  
Chen Zhu, Shanghai, China

# SCIENTIFIC PROGRAM TOPICS OF SYMPOSIA

## TOPICS OF SYMPOSIA

The XX International Congress of Genetics with its 10 plenary lectures, 54 symposia and numerous satellite activities will review recent developments in genetics and genomics and will cover the following topics:

- Aging & Longevity
- Agricultural Applications
- Behavior
- Biodiversity / Adaptation
- Biotechnology
- Cancer Genetics
- Chromosome Segregation
- Clocks & Rhythms
- Complex Traits
- Comparative Genomics
- Computational Genomics
- Developmental Genetics (1): Signalling
- Developmental Genetics (2): Movement
- Epigenetic Mechanisms & Chromatin
- Epigenetics & Development
- Evolution / Speciation
- Evolution of Development (Evo-Devo)
- Evolutionary Genomics
- Evolution of Humans
- Genetic Model Organisms: Discovery to Translation
- Genetics and World Hunger
- Genetics of Parasitism
- Genetics of Sex (1): Origin and Maintenance
- Genetics of Sex (2): Determination and Differentiation
- Genetics of Symbiosis
- Genome-Environment Interactions / Ecology
- History of Genetics
- Human Diseases: Animal Models
- Human Genetics (1)
- Human Genetics (2)
- Immunogenetics
- Infection
- Mammalian Genetics
- Metagenomics
- Microbial Genetics
- Mutation / DNA Repair / Recombination
- Neurogenetics (1)
- Neurogenetics (2)
- Omics: Genomics, Transcriptomics, Proteomics, Metabolomics
- Pharmacogenomics
- Plant Genetics
- Population Genetics
- Quantitative and Statistical Genetics
- RNA World (1): RNA Machines
- RNA World (2): microRNAs and endogenous siRNAs
- Societal, Ethical, Legal Issues of Genetics (SELLG)
- Stem cells
- Synthetic Biology
- Systems Biology / IT
- Teaching Genetics
- Technology / Instrumentation
- Veterinary Genetics
- Last minute excitement (1)
- Last minute excitement (2)

PL: Plenary Lecture  
CS: Concurrent Symposia

Saturday, July 12		Sunday, July 13		Monday, July 14	
08.30 a.m.	Satellites A1 - A4	PL 1		PL 3	
09.00 a.m.		Break	Poster and Industry Exhibition	Break	Poster and Industry Exhibition
09.30 a.m.		CS A1 - A6		CS C1-C6	
10.00 a.m.	Satellites B1 - B4				
10.30 a.m.					
11.00 a.m.					
11.30 a.m.					
12.00 a.m.		Lunch	Posters A and B	Lunch	Posters C and D
12.30 a.m.	Satellites C1 - C4	Satellites E1 - E4		Satellites F1 - F4	
01.00 p.m.					
01.30 p.m.					
02.00 p.m.		Lunch		Lunch	
02.30 p.m.	Satellites D1 - D4	CS B1 - B6		CS D1 - D6	
03.00 p.m.					
03.30 p.m.					
04.00 p.m.					
04.30 p.m.	Opening Ceremony	Break		Break	
05.00 p.m.	Keynote Address	PL 2		PL 4	
05.30 p.m.					
06.00 p.m.	Welcome Reception				
06.30 p.m.					
07.00 p.m.					
07.30 p.m.				Social Evening	
08.00 p.m.					

Tuesday, July 15		Wednesday, July 16		Thursday, July 17	
08.30 a.m.	PL 5	PL 6	PL 8		
09.00 a.m.					
09.30 a.m.	Break	Break	Break	Poster and Industry Exhibition	
10.00 a.m.	CS E1 - E6	CS F1 - F6	CS H1 - H6		
10.30 a.m.					
11.00 a.m.					
11.30 a.m.					
12.00 a.m.	Lunch	Lunch	Lunch	Posters H and I	
12.30 a.m.	Satellites G1 - G4	Satellites H1 - H4		CS I1 - I6	
01.00 p.m.					
01.30 p.m.					
02.00 p.m.	Lunch	Lunch			
02.30 p.m.	Free afternoon: sightseeing, guided tours, shopping, cultural events	CS G1 - G6			
03.00 p.m.					
03.30 p.m.					
04.00 p.m.					
04.30 p.m.		Break		Closing Ceremony	
05.00 p.m.		PL 7			
05.30 p.m.					
06.00 p.m.					
06.30 p.m.					
07.00 p.m.					
07.30 p.m.					
08.00 p.m.					

All dates and times are preliminary and subject to change.

The six following Plenary Lecturers (in alphabetical order) have been confirmed so far:

- **Richard Axel** (Nobel Laureate)  
Columbia University, New York, USA
- **Elizabeth Blackburn**  
UCSF, San Francisco, USA
- **Rudolf Jaenisch**  
MIT / Whitehead, Cambridge, USA
- **Eric Lander**  
Broad Institute, Cambridge, USA
- **Svante Pääbo**  
MPI, Leipzig, Germany
- **Phillip Sharp** (Nobel Laureate)  
MIT, Cambridge, USA

The following Chairs / Speakers (in alphabetical order) have been confirmed so far:

- **Ruedi Aebersold**, Zürich, Switzerland
- **Siv Andersson**, Uppsala, Sweden
- **Anna Barahona**, Mexico, Mexico
- **Cori Bargmann**, New York, USA
- **Nick Barton**, Edinburgh, UK
- **David Baulcombe**, Norwich, UK
- **Hugo Belien**, Houston, USA
- **Jeffrey Bennettzen**, Athens, USA
- **Shelley Berger**, Philadelphia, USA
- **Casey Bergman**, Manchester, UK
- **Bruce Beutler**, La Jolla, USA
- **Ewan Birney**, Cambridge, UK
- **Nancy M. Bonini**, Philadelphia, USA
- **Steve Briggs**, San Diego, USA
- **Jeremy Burdon**, Canberra, Australia
- **Aravinda Chakravarti**, Baltimore, USA
- **Deborah Charlesworth**, Edinburgh, UK
- **George Church**, Boston, USA
- **Max Cooper**, Birmingham, USA
- **Anna Di Rienzo**, Chicago, USA
- **Barry Dickson**, Vienna, Austria
- **Andy Dillin**, La Jolla, USA
- **John Doebley**, Madison, USA
- **Denis Duboule**, Geneva, Switzerland
- **Evan Eichler**, Seattle, USA
- **Jonathan A. Eisen**, Rockville, USA
- **Jonathan Flint**, Oxford, UK
- **Veronica Franklin-Tong**, Birmingham, UK
- **Kelly Frazer**, La Jolla, USA
- **Michel Georges**, Liège, Belgium
- **Jonathan Gressel**, Rehovot, Israel
- **Anthony J. F. Griffiths**,  
Vancouver B.C., Canada
- **Chris Haley**, Roslin, UK

- **Min Han**, Boulder, USA
- **Mitsuyasu Hasebe**, Okazaki, Japan
- **Steven Henikoff**, Seattle, USA
- **Martin L. Hibberd**, Singapore, Singapore
- **Adrian Hill**, Oxford, UK
- **Elisa Izaurralde**, Tübingen, Germany
- **Janet Jansson**, Uppsala, Sweden
- **Nancy A. Jenkins**, Singapore, Singapore
- **Julie Johnson**, Gainesville, USA
- **Thomas C. Kaufman**, Bloomington, USA
- **Daniel Kewles**, New Haven, USA
- **Amar J. S. Klar**, Frederick, USA
- **Arne Klungland**, Oslo, Norway
- **Bartha Knoppers**, Montreal, Canada
- **Charalambos P. Kyriacou**, Leicester, UK
- **Ruth Lehmann**, New York City, USA
- **Tomas Lindahl**, South Mimms, UK
- **Klaus Lindpaintner**, Basel, Switzerland
- **Edison Liu**, Singapore, Singapore
- **John M. Logsdon**, Iowa City, USA
- **Trudy F. C. Mackay**, Raleigh, USA
- **Partha P. Majumder**, Kolkata, India
- **Marjorie Matzke**, Vienna, Austria
- **Gilean McVean**, Oxford, UK
- **Joseph Nadeau**, Cleveland, USA
- **Wolfgang Nellen**, Kassel, Germany
- **Laura J. Niedermhofer**, Pittsborough, USA
- **H. Allen Orr**, Rochester, USA
- **Terry Orr-Weaver**, Cambridge, USA
- **Elaine Ostrander**, Bethesda, USA
- **Susan Parkhurst**, Seattle, USA
- **Linda Partridge**, London, UK
- **Hervé Philippe**, Montreal, Canada
- **Alfred Pühler**, Bielefeld, Germany
- **Erez Raz**, Göttingen, Germany
- **André Reis**, Erlangen, Germany
- **Hans-Jörg Rheinberger**, Berlin, Germany
- **Francisco Rodriguez-Valera**,  
San Juan de Alicante, Spain
- **John Schimenti**, Ithaca, USA
- **Eran Segal**, Rehovot, Israel
- **Hee-Sup Shin**, Seoul, South Korea
- **Akira Shizuo**, Osaka, Japan
- **Mikiko C. Stomi**, Tokushima, Japan
- **Christina D. Smolke**, Pasadena, USA
- **David Smyth**, Melbourne, Australia
- **Marla Sokolowski**, Toronto, Canada
- **Karen P. Steel**, Cambridge, UK
- **Lars Steinmetz**, Heidelberg, Germany
- **Wolfgang Stephan**, Munich, Germany
- **Mike Stratton**, Cambridge, UK
- **Azim Surani**, Cambridge, UK
- **Joseph S. Takahashi**, Evanston, USA
- **Diethard Tautz**, Plön, Germany
- **Chau-Ti Ting**, Hsinchu, Taiwan
- **Detlef Weigel**, Tübingen, Germany
- **Sue Wessler**, Athens, USA
- **Eric Wieschaus** (Nobel Laureate),  
Princeton, USA
- **Huda Y. Zoghbi**, Houston, USA

XX International Congress of Genetics, will host the award ceremonies of three prestigious scientific prizes:

## EMBO AWARD FOR COMMUNICATION IN THE LIFE SCIENCES



The award is intended for scientists who have, while remaining active in laboratory research, risen to the challenge of communicating science to a non-scientific audience. The winners of the EMBO Award are nominated for the European Union Descartes Prize for science communication.

The sum awarded is € 5,000, accompanied by a silver and gold medal inscribed with the winner's name. Scientists working in Europe or Israel at the time of application, who have made an outstanding contribution to the public communication of science via any medium or activity, are eligible for the award.

- Candidates must be working in active research at the time of application, and should have done most of their communication work in Europe or Israel.
- If written works are to be judged with the application, these must have been published in printed form by the time of nomination. At least one work must have been published in the period 2005 – 2007. Works published in any of the languages of the EU will be

considered. However, if a published English translation of the work exists, this should be submitted in preference.

- Scientists who are already widely regarded as professional communicators will not be considered for the award.

The 2008 EMBO Award for Communication in the Life Sciences will be focused on the topic "Genetics and the Public". For further information please visit [www.embo.org](http://www.embo.org).

## 2008 GATTEFF-DISSERTATION-AWARD OF THE GERMAN GENETICS SOCIETY (GfG)



The annual Gatteff-Dissertation-Award of the German Genetics Society (GfG) is given to graduate students having completed PhD theses of outstanding quality. The 2008 award will be given to a thesis completed during the year 2007. In 2008, a € 3,000 cash prize will be awarded, plus reimbursements for travel and registration to participate in the XX International Congress of Genetics.

Suitable graduate student candidates, from any German laboratory, are initially requested to submit an abstract of their thesis (300 words) to the ICG congress web page. **Deadline of submission: January 15, 2008.** This abstract also should indicate the date of completion of the thesis and any publications derived thereof. After an initial

screening of the applications, the 10 most promising entries will be asked to provide further information for final selection. Selection will be made by a panel of expert geneticists nominated by the German Genetics Society (GfG).

## THE GENETICS PRIZE OF THE PETER AND PATRICIA GRUBER FOUNDATION (NEW YORK CITY, USA)



The Genetics Prize is presented to a leading scientist, or group of scientists, in recognition of ground-breaking contributions to any realm of genetics research. The Peter and Patricia Gruber Foundation established and awarded its first Genetics Prize during the year 2001. This year of monumental accomplishment in genetics research, with the successful sequencing of the human genome, was a particularly auspicious time to launch the world's first major international prize devoted specifically to achievements in the realm of genetics research. Created one hundred and thirty-five years after Gregor Mendel discovered hereditary laws that implied the existence of genetic factors, the Genetics Prize is awarded under the guidance of an international advisory board of distinguished genetics scientists. Beginning in 2001, the Prize, a gold medal and \$US 500,000 cash prize is awarded for fundamental insights in genetics. These may include original discoveries in genetic organization, function, regulation, variation and transmission.

## GENETICS PRIZE RECIPIENTS:

### Genetics 2006 Prize

**Elizabeth Blackburn** discovered the unique structure and mechanism of replication of telomeres, the ends of chromosomes that play a fundamental role in normal development and in carcinogenesis.

### Genetics 2005 Prize

**Robert H. Waterston** is a pioneer in the field of genomics and an advocate for the free and rapid release of genomic information.

### Genetics 2004 Prize

**Mary Claire King** proved the existence of the first gene for hereditary breast cancer and has long promoted the application of genetics to benefit humanity.

### Genetics 2003 Prize

**David Botstein** is an innovative scientist and cell biologist whose lifetime of research has centered on genetics and the use of genetic methods to understand biological functions.

### Genetics 2002 Prize

**H. Robert Horvitz** is a neurobiologist, developmental biologist and geneticist who led the way in discovering how specific genes cause the programmed death of cells.

### Genetics 2001 Prize

**Rudolf Jaenisch** is a pioneer in the field of using mice to study and develop treatments for human diseases.

## CALL FOR PAPERS

The Symposia Chairpeople and members of the International Program Committee of the **XX International Congress of Genetics** welcome the submission of abstracts for original contributions to the field. All abstracts accepted for presentation at the congress will be presented as posters or as oral presentations. In case of selection for oral presentation, a 15 minute time slot will be provided in the relevant Symposium. All accepted abstracts will be published in the relevant congress publications.

## ABSTRACT CATEGORIES

1. Aging & Longevity
2. Agricultural Applications
3. Behavior
4. Biodiversity/Adaptation
5. Biotechnology
6. Cancer Genetics
7. Chromosome Segregation
8. Clocks & Rhythms
9. Complex Traits
10. Comparative Genomics
11. Computational Genomics
12. Developmental Genetics (1): Signaling
13. Developmental Genetics (2): Movement
14. Epigenetic Mechanisms & Chromatin
15. Epigenetics & Development
16. Evolution/Speciation
17. Evolution of Development (Evo-Devo)
18. Evolutionary Genomics
19. Evolution of Humans
20. Genetic Model Organisms: Discovery to Translation
21. Genetics and World Hunger
22. Genetics of Parasitism
23. Genetics of Sex (1): Origin and Maintenance
24. Genetics of Sex (2): Determination and Differentiation
25. Genetics of Symbiosis
26. Genome-Environment Interactions/ Ecology
27. History of Genetics
28. Human Diseases: Animal Models
29. Human Genetics
30. Immunogenetics

31. Infection
32. Mammalian Genetics
33. Metagenomics
34. Microbial Genetics
35. Mutation/ DNA Repair/Recombination
36. Neurogenetics
37. Omics: Genomics, Transcriptomics, Proteomics, Metabolomics
38. Pharmacogenomics
39. Plant Genetics
40. Population Genetics
41. Quantitative and Statistical Genetics
42. RNA World (1): RNA Machines
43. RNA World (2): microRNAs and endogenous siRNAs
44. Societal, Ethical, Legal Issues of Genetics (SELLG)
45. Stem cells
46. Synthetic Biology
47. Systems Biology/IT
48. Teaching Genetics
49. Technology/Instrumentation
50. Veterinary Genetics
51. Last minute excitement

## ABSTRACT SUBMISSION

The deadline for abstract submission is January 15, 2008, midnight, CET. No abstracts will be accepted after this date, except for late breakers. The deadline for the submission of late breakers is April 15, 2008.

Please submit your abstract online at [www.geneticsberlin2008.com](http://www.geneticsberlin2008.com).

Please follow the guidelines listed on the website closely, in order to avoid mistakes. To help you with your abstract submission, the following general guidelines have been drafted.

## GUIDELINES

All abstracts must be submitted online through the congress website at [www.geneticsberlin2008.com](http://www.geneticsberlin2008.com).

- Fields marked with a red star are mandatory.
- Abstracts must be prepared in English only.
- Abstracts sent by fax or post will not be accepted.
- The text should not exceed 300 words.

The text of the abstract should briefly state:

1. **Objectives** (indicate the purpose of the study or the hypothesis that was tested)
2. **Methods** (include the setting for the study, the subjects, and the type of statistical analysis; if references are needed, they should be given in the text)
3. **Results** (present as clearly as possible the outcome of the study and statistical significance if appropriate)
4. **Conclusion** (briefly discuss the data and emphasize the significance of the results)

Tables and pictures can be included in the abstract. These will not add to the word count.

After an abstract has been submitted, a confirmation of receipt will be sent via e-mail. Modifications can be made until the abstract submission deadline. For more information, please refer to the congress website at [www.geneticsberlin2008.com](http://www.geneticsberlin2008.com) concerning the different steps for abstract submission.

Abstract presenters must register at the latest upon confirmation that their abstract was accepted as an oral or poster presentation.

All submitted abstracts will be reviewed by Symposia Chairpeople and members of the International Program Committee. A confirmation of acceptance or rejection will be sent by e-mail. Authors whose abstracts have been accepted will receive further instructions for presenting their abstract. Poster and oral presentations will be prominently featured in the relevant congress publication.

If an electronic submission is not possible, please contact the ICG Congress Secretariat at [abstracts@geneticsberlin2008.com](mailto:abstracts@geneticsberlin2008.com).

## SPONSORS AND EXHIBITORS

The XX International Congress of Genetics welcomes the involvement of the industry.

Interested sponsors and exhibitors should contact the Congress Secretariat:

K.I.T. GmbH  
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 Ms. Kim Niggemeyer  
 Kurfürstendamm 71  
 10709 Berlin  
 Germany  
 Phone: +49-30-246 03-0  
 Fax: +49-30-246 03-200  
[sponsoring@geneticsberlin2008.com](mailto:sponsoring@geneticsberlin2008.com)  
[www.kit-group.org](http://www.kit-group.org)

## EXHIBITION

Congress participants are invited to visit the exhibition during the following times\*:

Sat	July 12, 2008	06:00 p.m. - 08:00 p.m.
Sun	July 13, 2008	09:30 a.m. - 05:00 p.m.
Mon	July 14, 2008	09:30 a.m. - 05:00 p.m.
Tue	July 15, 2008	09:30 a.m. - 02:30 p.m.
Wed	July 16, 2008	09:30 a.m. - 05:00 p.m.
Thu	July 17, 2008	09:30 a.m. - 04:30 p.m.

\* All dates and times are preliminary and subject to change.

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## SPECIAL SPONSOR



## NON-CORPORATE SPONSORS



# REGISTRATION INFORMATION

## REGISTRATION INFORMATION

All registrations for the XX International

**Congress of Genetics** must be submitted through the congress website at:

[www.geneticsberlin2008.com](http://www.geneticsberlin2008.com)

For registration details, such as deadlines, terms and conditions, please refer to the congress website at:

[www.geneticsberlin2008.com](http://www.geneticsberlin2008.com)

If you are not able to submit your registration online or should have any further questions, please contact the Congress Secretariat:

K.I.T. GmbH  
Association & Conference  
Management Group & Co. KG  
Kurfürstendamm 71  
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Germany  
Phone: +49-30-246 03-252  
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[registration@geneticsberlin2008.com](mailto:registration@geneticsberlin2008.com)  
[www.geneticsberlin2008.com](http://www.geneticsberlin2008.com)

## REGISTRATION FEES

### Regular Delegates

Early (until January 15, 2008)	€ 420,00
Standard (until May 31, 2008)	€ 550,00
Late (from June 01, 2008)	€ 600,00

### Students\*

Early (until January 15, 2008)	€ 200,00
Standard (until May 31, 2008)	€ 225,00
Late (from June 01, 2008)	€ 250,00

### Accompanying Persons

Early (until January 15, 2008)	€ 75,00
Standard (until May 31, 2008)	€ 75,00
Late (from June 01, 2008)	€ 75,00

\* By selecting student, you confirm that you will prove your status by sending a photocopy of your student ID card.

## ON-SITE CHECK-IN PROCEDURES

The registration fee for regular delegates, students and media representatives includes entry to all official congress sessions, the exhibition and poster areas, the Opening Ceremony and Welcome Reception, the Closing Ceremony as well as coffee breaks. It also includes all on site congress material.

The registration fee for accompanying persons includes entry to the exhibition and poster areas, the Opening Ceremony, the Welcome Reception and the Closing Ceremony. It does not allow entry to the scientific sessions and it does not include coffee breaks.

**All fees must be submitted in EURO (€) only.**

## LETTER OF INVITATION

Individuals requiring an official letter of invitation in order to obtain a visa and authorization to attend the congress should visit the congress website at [www.geneticsberlin2008.com](http://www.geneticsberlin2008.com). The menu Registration contains a link to create a letter of invitation. The letter of invitation does not financially oblige the congress organizer in any way. All expenses incurred in relation to the congress are the sole responsibility of the participants.

# ACCOMMODATION INFORMATION

## BOOKING

Rooms have been reserved at preferential rates in various hotels close to the ICC. Please see the listing below for hotels and room rates. The rates listed are in EURO (€), per room and night and include breakfast, service and German VAT.

## CONGRESS SECRETARIAT

If you are not able to submit your booking online or should have any further questions or group requests, please contact the Congress Secretariat:

K.I.T. GmbH  
Association & Conference

Management Group & Co. KG  
Kurfürstendamm 71

10709 Berlin  
Germany  
www.geneticsberlin2008.com.

Phone: +49-30-246 03-252  
Fax: +49-30-246 03-253  
For booking details, such as deadlines, terms and conditions, please refer to the congress website at: [www.geneticsberlin2008.com](http://www.geneticsberlin2008.com)  
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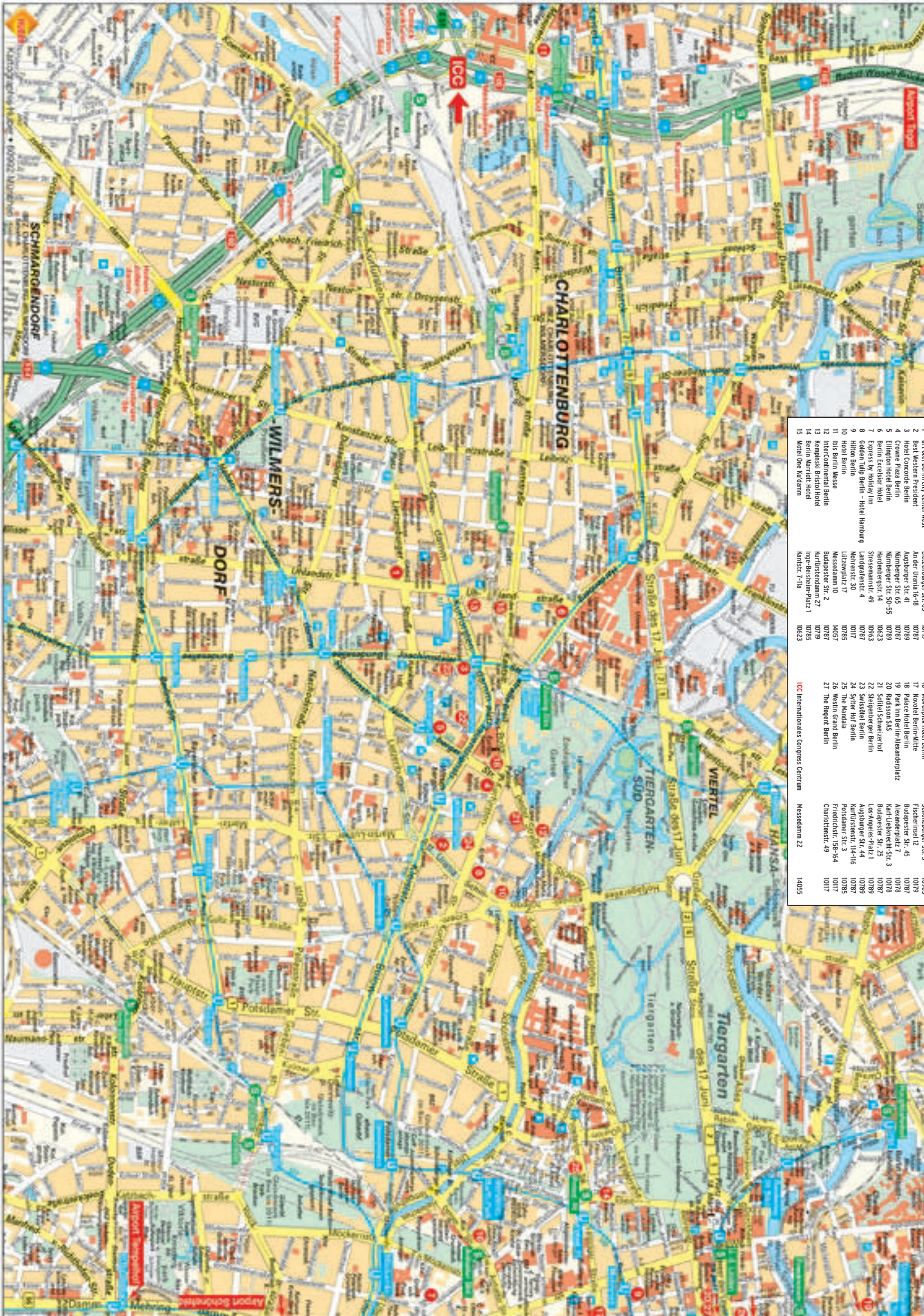
## HOTELS

Hotel	double single use	double
<b>City Centre West</b> ★ ★ ★ ★		
3 Hotel Concorde Berlin	€ 263,00	€ 306,00
12 InterContinental Berlin	€ 219,00	€ 263,00
13 Kempinski Bristol Hotel	€ 210,00	€ 240,00
18 Hotel Palace Berlin	€ 190,00	€ 210,00
22 Steigenberger Berlin	€ 255,00	€ 275,00
23 Swissôtel Berlin	€ 235,00	€ 255,00
<b>City Centre East</b> ★ ★ ★ ★		
9 Hilton Berlin	€ 149,00	€ 169,00
20 Radisson SAS Hotel	€ 200,00	€ 200,00
25 The Mandala	€ 245,00	€ 270,00
27 The Regent Berlin	€ 314,00	€ 378,00
26 Westin Grand Berlin	€ 237,00	€ 289,00

## Hotel

single double single use double

<b>City Centre West</b> ★ ★ ★ ★				
1 artotel berlin city center west	€ 180,00	€ 210,00		
6 Berlin Excelsior Hotel	€ 185,00	€ 215,00		
2 Best Western President	€ 107,00	€ 122,00		
4 Crowne Plaza Berlin	€ 193,00	€ 231,00		
10 Hotel Berlin	€ 182,00	€ 219,00		
21 Sofitel Schweizerhof	€ 170,00	€ 190,00		
<b>City Centre East</b> ★ ★ ★ ★				
14 Berlin Marriott Hotel	€ 271,00	€ 299,00		
16 Mövenpick Hotel Berlin	€ 209,00	€ 238,00		
17 Novotel Berlin - Mitte	€ 112,00	€ 122,00		
19 Park Inn Berlin - Alexanderplatz				
Standard	€ 124,00	€ 141,00		
Comfort	€ 144,00	€ 161,00		
Suite	€ 164,00	€ 181,00		
<b>City Centre West</b> ★ ★ ★ ★				
7 Express by Holiday Inn	€ 169,00	€ 169,00		
5 Ellington Hotel Berlin	€ 143,00	€ 168,00		
8 Golden Tulip Berlin - Hotel Hamburg				
Standard	€ 177,00	€ 190,00		
Comfort	€ 187,00	€ 200,00		
Standard Single	€ 150,00			
24 Sytler Hof Berlin	€ 109,00	€ 139,00	€ 159,00	
<b>City Centre West</b> ★ ★ ★ ★				
11 Ibis Berlin Messe	€ 119,50	€ 149,00		
15 Motel One Kurdamm	€ 85,50	€ 107,00		



- |               |                                     |       |
|---------------|-------------------------------------|-------|
| 1             | Best Western President              | 10079 |
| 2             | Hotel Concord Berlin                | 10079 |
| 3             | Comet Plaza Berlin                  | 10079 |
| 4             | Erlington Hotel Berlin              | 10079 |
| 5             | Berlin Excelsior Hotel              | 10079 |
| 6             | Express by Holiday Inn              | 10079 |
| 7             | Golden Tulip Berlin - Hotel Hamburg | 10079 |
| 8             | Hilton Berlin                       | 10079 |
| 9             | Hotel Berlin                        | 10079 |
| 10            | ibis Berlin Messe                   | 10079 |
| 11            | Intercontinental Berlin             | 10079 |
| 12            | Kempinski Bristol Hotel             | 10079 |
| 13            | Maritim Hotel Berlin                | 10079 |
| 14            | Motel One Mitte                     | 10079 |
| 15            | Motel One Mitte                     | 10079 |
| 16            | Novotel Berlin Mitte                | 10079 |
| 17            | Novotel Berlin Mitte                | 10079 |
| 18            | Palace Hotel Berlin                 | 10079 |
| 19            | Park Inn Berlin-Landwehrplatz       | 10079 |
| 20            | Radisson SAS                        | 10079 |
| 21            | SaaleSchwanenhof                    | 10079 |
| 22            | Steigenberger Berlin                | 10079 |
| 23            | Swissotel Berlin                    | 10079 |
| 24            | Syber Hotel Berlin                  | 10079 |
| 25            | The Mandala                         | 10079 |
| 26            | Westin Grand Berlin                 | 10079 |
| 27            | The Regent Berlin                   | 10079 |
| ICC           | Internationales Congress Centrum    | 14055 |
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# CONGRESS VENUE



## CONGRESS VENUE

The **XX International Congress of Genetics** will be held at the International Congress Centrum (ICC) Berlin.

Europe's biggest congress hall, Hall 1 offers versatile technical facilities and seating for more than 5,000 people.

## THE ICC BERLIN

The ICC Berlin is the biggest convention center in Europe with 80 air-conditioned auditoriums and meeting rooms accommodating up to 9,000 delegates at a time. The ICC Berlin provides state-of-the-art technical equipment and telecommunication business, multipurpose facilities and a comprehensive range of services. The ICC Berlin was one of the first conference centers to use a broadcast glass fibre net enabling ATM applications; WLAN is standard equipment.

In 2004 the ICC Berlin received the World Travel Award for the "World Leading Conference and Convention Center 2004". This award highlights once again the leading position of the ICC Berlin as an international congress center.

Due to the compact architecture of the convention center, built in classical modern style, short distances between meeting rooms, conference halls, poster presentation and discussion areas, and the exhibition halls as well as the catering service areas make the ICC Berlin an ideal interactive meeting site for all delegates and visitors.

## HOW TO REACH THE ICC

The ICC Berlin is easy to reach thanks to excellent road and rail links. The city itself also has an extensive and clearly laid out public transport network.

### BY PUBLIC TRANSPORTATION

**U** U2 in the direction of "Ruhleben" to station "Kaiserdamm"

**S** S9, S75 to station "Messe Süd"  
S41, S42, S46 to stop / station "Messe Nord / ICC"

S5, S7, S9, S41, S42, S45, S46, S47, S75 to stop / station "Westkreuz"  
**M** M49, X34, X49, 104, 139 to stop / station "Messedamm / ZOB / ICC"

### BERLIN AIRPORT BERLIN TEGEL - EXHIBITION GROUNDS / ICC BERLIN

**bus** Bus X9 (Express) or Bus 109 in the direction "Zoologischer Garten" to stop / station "S-Bhf. Jungferheide" then

**S** S42 in the direction of "Schöneberg" to station "Messe Nord / ICC"

### AIRPORT TEMPELHOF - EXHIBITION GROUNDS / ICC BERLIN

**bus** Bus 104 in the direction of "Neu-Westend, Brixplatz" to stop / station "Haus des Rundfunks"

### AIRPORT SCHÖNEFELD - EXHIBITION GROUNDS / ICC BERLIN

**S** S9 in the direction of "DB Bahnhof Spandau" to stop / station "Messe Süd"

### BY CAR

Once you are on the A10 (Berliner Ring), look for the signs to "Messegelände" at the "Nuthetal", "Oranienburg", "Schönefelder Kreuz" and "Pankow" junctions. These will lead you directly to the A100, A111 and A115 (Avus) motorway and the "Funkturn" junction, where you turn off at the "Messegelände" exit.

## BY PLANE

Berlin has three airports:

**Tegel (TXL)** primarily serves destinations within Germany and Western Europe.

**Schönefeld (SXF)** mostly operates international flights to/from Eastern Europe, Asia and Africa. The third airport is the central but tiny **Tempelhof (THF)** in southern Kreuzberg, which handles mostly shorter domestic and regional hops. It became famous as the main landing strip for Allied airlifts during the Berlin blockade of 1948–1949.

The Star Alliance offers special deals to all delegates attending the **XX International Congress of Genetics**.

Please see page 29 or the congress website at [www.geneticsberlin2008.com](http://www.geneticsberlin2008.com) for further details.

## BY BUS

Berlin is well-connected to the rest of Europe by long-distance buses. Most buses arrive at and depart from the ZOB (Zentraler Omnibusbahnhof), the central bus station, in Charlottenburg, opposite the ICC Berlin.

## BY TRAIN

The German train system is justifiably known as the most efficient in Europe and connects Berlin with the rest of Germany and other European countries. The sparkling new Hauptbahnhof opened in May 2006, is the hub for the majority of long-distance, intercity and regional trains arriving in Berlin. Regional services also stop at other central stations, such as Bahnhof Zoo in the western city centre (for destinations to the west of Berlin) and Ostbahnhof in the eastern part of the city.

The Deutsche Bahn AG offers special deals to all delegates attending the **XX International Congress of Genetics**.

Please see page 29 or the congress website at [www.geneticsberlin2008.com](http://www.geneticsberlin2008.com) for further details.

## BY CAR

Driving is another option: The A10 ring road links Berlin with other German and foreign cities in every direction, including the A11 to Szczecin (Stettin) in Poland; the A12 to Frankfurt (Oder); the A13 to Dresden; the A9 to Leipzig, Nuremberg and Munich; the A2 to Hanover and Magdeburg, and the Ruhrgebiet cities, and the A24 to Hamburg.

## STAR ALLIANCE AGREEMENT

Get up to 20% discount with the Star Alliance network!

The Star Alliance™ member airlines are pleased to be appointed as the Official Airline Network for the **XX International Congress of Genetics**. Simply call the reservation office of any participating Star Alliance member airline and quote the event code **LHO03S8**. Registered participants plus one accompanying person travelling to the event are automatically granted a discount of up to 20%, depending on the class of travel.

Participating airlines for this event are:

Asian Airlines, Austrian Airline, LOT Airlines, Lufthansa, SWISS International Air Lines, Scandinavian Airlines, Spanair, TAP Portugal

Booking office information can be found at: <http://www.staralliance.com/conventionplus>

Discounts are offered on published business and economy class fares, excluding website/internet fares, senior and youth fares, group fares and Round the World fares.

Please note: For travel from Japan and New Zealand, special fares or discounts are offered by the participating airlines on their own network.

## DEUTSCHE BAHN RAILWAY AGREEMENT

The Deutsche Bahn AG brings you fast, comfortably and conveniently to the **XX International Congress of Genetics** in Berlin.

The Deutsche Bahn AG is offering ICG participants a very special rate for 1st and 2nd class return tickets to Berlin from any destination within Germany. The exclusive offer is valid from 10–20 July 2008 on all Deutsche Bahn AG trains including ICE.

Rates\*:  
1st class: € 149.00  
2nd class: € 99.00

Book your ticket by calling the hotline of Deutsche Bahn AG +49-1805-311153\*\* from Monday to Saturday 08.00 a.m. to 09.00 p.m.

The earliest day of booking is March 1, 2008. Please use the reference "ICG".

\* Changes and reimbursement before 1st day of validity €15.00, from 1st day of validity excluded.  
\*\* 14ct/min costs within the network of Deutsche Telekom AG.

Die Bahn 



## CITY OF BERLIN

Of strategic importance since it first straddled the Spree River in the 13th century, Berlin went on to hog center stage in the turbulent Twenties. Today the city, restored as the nation's capital, is the focus of a mammoth project of reunification and the barometer of Germany's moods. Berlin has endless fine architecture, as well as an extraordinary spread of museums which collectively rank among the finest in the world.

It also has a wide range of bars and restaurants, a vibrant nightlife and strong traditions in the performing arts. It occupies a vast geographical area, interrupted by an impressive number of parks, forests and lakes.

Places to see include:

### BERLINER ZOO & AQUARIUM

The Zoologischer Garten is Germany's oldest zoological garden. It is located in Tiergarten, Berlin's "green lung". Knut is the newest star of Berlin zoo. The little polar bear was the first to have been born and survive in Berlin zoo for over 30 years.



### BRANDENBURGER TOR (BRANDENBURG GATE)

One of Berlin's most photographed locations, the Brandenburg Gate, once marked the impenetrable boundary between East and West Berlin. Built in 1791, the Brandenburg Gate has often been a centre stage for Berlin's militant political rallies, including the memorable celebrations in November 1989, when the Berlin Wall was torn down.



### JÜDISCHES MUSEUM (JEWISH MUSEUM)

Berlin's Jewish Museum, the largest Jewish museum in Europe, celebrates the achievements of German Jews and their contribution to culture, art, science and other fields. An architectural work of art, the building and its contents are a major destination in Berlin.



### PERGAMON MUSEUM

Located on the stunning Museumsinsel (Museum Island), the Pergamon Museum contains a feast of classical Greek, Babylonian, Roman, Islamic and Middle Eastern art and architecture that will amaze and enlighten you.



### KAISER-WILHELM-GEDÄCHTNISKIRCHE

Berliners call the blasted remains of the Kaiser-Wilhelm-Gedächtnis-Kirche the "hollow tooth." It's a poignant reminder of the devastation wrought upon the city by World War II. The church was bombed in late 1943 in a fierce raid that left only the broken west tower standing. Engulfed by the commercialism of West Berlin, this is another of the historical anomalies that pop up all over the city. The reconstructed church is dominated by blue stained glass and features some beautiful work by Chagall.



### REICHSTAG

The imposing Reichstag Parliament has been the focus of momentous events in German history. After WW I, it was the site of the proclamation of the German Republic. WW II devastated the building which was finally reconstructed to house the Bundestag in 1999. In May 1999, the Bundestag moved into the building, which British architect Sir Norman Foster had turned into a state-of-the-art parliamentary facility, preserving only the historical shell, to which he added a striking giant glass dome.



### CHECKPOINT CHARLIE

Charlie was the most famous checkpoint when Berlin was still divided. It was only for diplomats and foreigners. Germans were not allowed to cross the border here. After the wall came down the actual checkpoint disappeared quickly.



© Landesarchiv Berlin



## TOUR INFORMATION

All tours are based on a minimum number of 20 participants. The tours will take place on a deluxe motor coach with an English speaking guide.

Any entrance fees for planned museum or castle visits are included. The full-day-tour in Potsdam includes a 3-course meal with two soft drinks or beers. The prices mentioned are in EURO (€) and include VAT. All tours start and end at the ZOB/ Zentraler Omnibusbahnhof (Central Bus Station), opposite the ICC Berlin.

Please note that a stop will be made at the end of each tour at the Kadewe, before coming back to the ICC Berlin. This will give all participants the opportunity to visit this famous department store.

## BOOKING

Delegates can book tours through the congress website at: [www.geneticsberlin2008.com](http://www.geneticsberlin2008.com).

For booking details, such as deadlines, terms and conditions, please refer to the congress website at: [www.geneticsberlin2008.com](http://www.geneticsberlin2008.com).

If you are not able to submit your booking online or should have any further questions, please contact the Congress Secretariat:

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Germany  
Phone: +49-30-246 03-252  
Fax: +49-30-246 03-253  
[registration@geneticsberlin2008.com](mailto:registration@geneticsberlin2008.com)  
[www.geneticsberlin2008.com](http://www.geneticsberlin2008.com)

## BERLIN UNDERGROUND

### 3 HOURS

Mon, July 14, 2008, 09:30 a.m. - 12:30 p.m.  
Tue, July 15, 2008, 03:00 p.m. - 06:00 p.m.

This tour shows you the city from a very original and unknown perspective: The underground of Berlin. Not only the common facilities such as the subway and the drainage system are part of Berlin's underground but also Berlin's late 19th century pneumatic pipe post system as well as an extensive bunker system. All of these elements played a part in the dramatic history of the German capital in the 20th century through WWII and the Cold War. This tour also shows how deep the impact of the Cold War and the division of Berlin (1961-1989) on the underground world has been: You will pass through the "nuclear blast-proof" bunker beneath Blochplatz, its white-washed walls, large metal doors and modern ventilation systems and enjoy an exhibition of the finds that the Berliner Underworld Association have retrieved during their work below ground.

€ 33,00 p.p. incl. guided tour  
of the underground

## JEWISH LIFE IN BERLIN

### 4 HOURS

Sun, July 13, 2008, 09:30 a.m. - 01:30 p.m.  
Tue, July 15, 2008, 03:00 p.m. - 07:00 p.m.

The tour focuses on the Berlin Jewish history past and present. The first stop will be the Jewish Museum housed in one of the most spectacular buildings constructed in Berlin since WWII. The plan of Daniel Libeskind's building is being interpreted as an exploded Star of David.

Participants will then continue the tour in the so-called "Scheunenviertel" where the Jewish community used to live before WWII. There is not much left of the steps of the Jewish residents in this quarter except a few reopened restaurants and of course the beautifully restored Synagogue in the Oranienburgerstrasse.

Lastly we will have a look at the huge memorial for the victims of the holocaust located in close proximity to the Brandenburg Gate.

€ 37,00 p.p. incl. guided tour  
of the Jewish Museum



## ART AND ARCHITECTURE IN BERLIN

### 4 HOURS

**Tue, July 15, 2008, 03:00 p.m. - 07:00 p.m.**  
**Wed, July 16, 2008, 09:30 a.m. - 01:30 p.m.**

The reunified city of Berlin offers a kaleidoscope of all important trends in the history of architecture: From Neo-Classical to Post Modern, from Neo-Gothic to Bauhaus, from Socialist to the American 1950's without forgetting the German Art Nouveau and the Nazi architecture.

This tour will show you some of the best examples of all these sources of inspiration: Alexanderplatz, Gendarmenmarkt, Unter den Linden, Karl-Marx Allee, the former Nazi Air Force Headquarters and of course what we commonly call now the "New Berlin" designed, since the fall of the wall, by world famous architects like Leon Ming Pei, Jean Nouvel, Daniel Libeskind, Frank O. Gehry, Renzo Piano etc.

The tour ends on one of the most beautiful ensemble of Neo-Classical architecture, now protected by the UNESCO: The Museum's Island. It gathers and combines five different museums:

- The Bode Museum
- The Old Museum
- The Old National Gallery
- The New Museum and
- The Pergamon Museum

The Pergamon Museum - Without doubt the most fascinating museum in Berlin! It was built between 1903 and 1930. The main attraction is the Pergamon Altar, which was discovered and brought to Berlin by German archeologists at the beginning of the 20th century. It was actually part of a temple dedicated to Zeus and it is one of the 7 wonders of the world. You will also discover the Ishtar Gate, among others. The Pergamon Museum, which is the first Museum for architecture in the world, displays a fascinating collection over 4,000 years of art and civilisation.

**€ 35.00 p.p. incl. entrance fee**  
**in the Pergamon Museum**

## THE NEW BERLIN

### 3 HOURS

**Sat, July 12, 2008, 12:00 a.m. - 03:00 p.m.**  
**Tue, July 15, 2008, 03:00 p.m. - 06:00 p.m.**

Guests will discover through this tour the so-called "New Berlin" with its modern architecture. After the fall of the wall, hundreds of construction sites have appeared in the part of former East Berlin. Little by little, the cranes have disappeared and brand new buildings have formed a new skyline ...

The tour includes a panorama visit of some of the most representative buildings of the 21st Century such as the central railway station, the Hauptbahnhof, the government area, the Friedrichstrasse, the new chancellery, the new parliament building of the Reichstag, the new embassy quarter of Tiergarten and of course, the Potsdamer Platz.

Two main investors, Sony and DaimlerChrysler, have built their new administrative buildings and turned the former "no man's land" of Potsdamer Platz into a new city within the city: 10 new streets, 19 buildings, 110 shops, 30 restaurants, cafés and bars, 19 movie-theaters, one IMAX theater, one musical-theater, one casino, four luxury hotels as well as private apartments ...

**€ 26.00 p.p.**



## HISTORY AROUND THE WALL

### 4 HOURS

Tue, July 15, 2008, 03.00 p.m. - 07.00 p.m.  
Thu, July 17, 2008, 09.30 a.m. - 01.30 p.m.

At first, guests will visit the Soviet Monument in the Treptower Park: More than 5,000 soviet soldiers fallen at the end of WWII are buried there. On the top of a hill, a huge statue bears in remembrance the sacrifice of the soldiers killed to liberate Germany from Nazism. Just a few hundred meters away from the park, we will pass the famous "East Side Gallery", the longest open-air gallery in the world. It is actually one of the last authentic parts of the Berlin Wall which separated the East from the West, along the Spree River. Artists from all over the world came to Berlin after the wall fell to paint not only interesting and challenging murals, but politically provocative ones as well.

Coming back to the city center of the former East Berlin, visitors will then discover the very unique street Karl-Marx-Avenue which was planned as a palace for workers in the fifties: Several hundreds apartments were built in the fifties according to higher standards of comfort to offer workers the feeling of life in a better world. The street was never completely finished

but nevertheless, it gives you an idea of this amazing project.

We will then drive past the Tempelhof airport which was a peculiar witness of the divided Berlin. During the Soviet blockade of Berlin from 1948 to 1949, U.S. troops provided the West-sector with food and coal during more than one year through the so-called Berlin Airlift: Every minute, a Rosinenbomber (raisin bomber) started at that time in Frankfurt and landed in Tempelhof.

The tour continues to the Wall Museum in the Haus am Checkpoint Charlie: From August 1961 to October 1990, Checkpoint Charlie was the border crossing point for diplomats, allied military and foreigners (neither Germans, nor Berliners were allowed to pass through). "Charlie" was the third border crossing in the American Sector, between East and West Berlin. "Alpha" was in Helmsstedt, the border crossing between West and East Germany and "Bravo" was in Dreilinden, the border crossing between East Germany and West Berlin.

**€ 37,00 p.p. incl. entrance fee in the Wall Museum**

## THE THIRD REICH IN BERLIN

### 3 HOURS

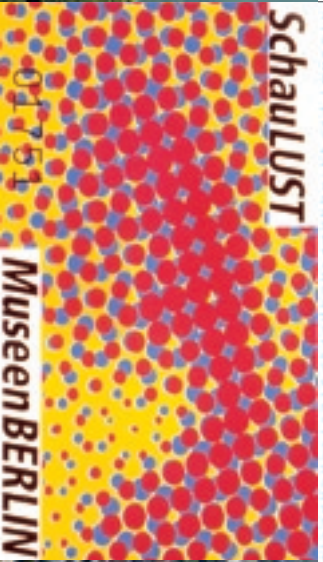
Sun, July 13, 2008, 02.00 p.m. - 05.00 p.m.  
Tue, July 15, 2008, 03.00 p.m. - 06.00 p.m.

This tour will focus on the oppression during the Nazi regime from 1933 to 1945. Guests will visit the remarkable exhibition "Topography of Terror", located in the area known as Prinz-Albrecht-Gelände.

Under the direction of Hitler's chief architect Albert Speer, Berlin which was eventually supposed to be renamed Germania, had numerous buildings erected, changing forever the face of the German capital. Buildings like the Führer's Chancellery, the Nazi Air Force Headquarters, the Tempelhof Airport or Hitler's bunker are only some of the most famous examples. All along the Wilhelmstrasse, a regime of terror settled down to survey and oppress the population and any resistance. From 1939 on, this was the Reich security and secret police centre, grouping together the headquarters of the SS, the Gestapo and the SD (Security Service).

In the 1980's, on what had been considered just a stretch of wasteland, the foundation of the centre's prison building was unearthed. Even though the building itself was largely destroyed by allied bombing, one basement wall was found to be in almost pristine condition, a silent witness to the topography of terror. Within the exhibition, a documentation bureau explains the Nazis' power structure, the persecution of their opponents and the planned extermination of the Jews.

**€ 30,00 p.p. incl. visit of the exhibition "Topography of Terror"**



## POTSDAM

### FULL-DAY-TOUR

Wed, July 16, 2008, 09.00 a.m. – 04.00 p.m.

The capital of the Land of Brandenburg, Potsdam, is located in a beautiful hill area between vast waterways of the Havel and numerous lakes. In 1660, the Brandenburg Elector, Friedrich Wilhelm, chose Potsdam to be his place of residence. Frederick the Great and others strongly influenced the city and its architecture.

The tour of the old town will include the following sights: The Brandenburg Gate at Potsdam, the Dutch Quarter, the Marstall and the Nikolai Church.

Participants will also visit the beautiful Sanssouci Park designed by Lenné and can admire the numerous palaces and houses built in it: The Palace Sanssouci, the New Palace, the Orangerie, the New Chambers as well as the Chinese Tea House and the Dutch Windmill.

After the visit of one of the palaces of Sanssouci Park, we will go to the New Garden to have lunch in the Castle of Cecilienhof: The place where, in 1945, the Potsdam Conference with Stalin, Churchill and Truman, took place. The Castle of Cecilienhof was built in the early 20th century in the style of English Tudor villas.

**€ 85.00 p.p. incl. 3-course menu with two soft drinks or beers and entrance fee into one Palace of Sanssouci Park**

## MUSEUM 3-DAY-PASS

With the 3-day "SchaulUST-MuseenBERLIN" ticket you can visit more than 70 Berlin museums and collections on three consecutive opening days for **€ 15.00 (reduced € 7.50\*)**.

If you are interested, you can book the "SchaulUST-MuseenBERLIN" ticket through the congress website at:

[www.geneticsberlin2008.com](http://www.geneticsberlin2008.com)

Museums accessible with the "SchaulUST-Museen" ticket include:

- Ägyptisches Museum und Papyrussammlung (Egyptian Museum and Papyrus Collection)
- Alliierten Museum (Allied Museum)
- Alte Nationalgalerie (Old National Gallery)
- Ates Museum Antikensammlung (Collection of Classical Antiquities)
- Bauhaus-Archiv Museum für Gestaltung (Bauhaus, archiv museum of design)
- Bodemuseum (Bode Museum)

- Deutscher Dom (German Cathedral)
- Gemädegalerie (Old Master Paintings)
- Hamburger Bahnhof (Jüdisches Museum Berlin)
- Museum Berggruen – Picasso und seine Zeit (National Gallery)
- Museum für Fotografie – Helmut Newton Stiftung (Museum for Photography – Helmut Newton Foundation)
- Museum für Kommunikation (Museum of Communications)
- Museum für Naturkunde (Museum of Natural History)
- Neue Nationalgalerie (New National Gallery)
- Pergamonmuseum (Pergamon Museum)

\* reduced price for students with student ID

## SOCIAL EVENING



### NETWORKING AT ITS BEST -

#### DON'T MISS IT

Monday, July 14, 2008, 07.30 p.m.

Tempodrom: Möckernstraße 10, 10963 Berlin

Admission fees:

€ 70.00 for all regular delegates, students, accompanying persons and exhibitors

Berlin's Tempodrom occupies a cherished place in the city's recent cultural history. Set up in Potsdamer Platz on Mayday 1980 by the former nurse Irene Moessinger, the two circus tents were famous for offering a venue for aspiring artists.

Due to its close location to the Berlin Wall and then to the Chancellery, the Tempodrom needed to move twice over the next years, eventually coming to its current location in the heart of Berlin.

We invite you to dive into this fascinating futuristic tent-like-venue. Upcoming artists and various unplugged artists will entertain you throughout the evening as you experience the unique history of the Tempodrom.

## GENERAL INFORMATION FROM A-Z

### CERTIFICATE OF ATTENDANCE

The Certificate of Attendance will be available on-site. Further details will be published on the congress website at:

[www.geneticsperlin2008.com](http://www.geneticsperlin2008.com)

### CLIMATE

Berlin lies between oceanic and continental stamped climate. In July, daily-temperatures reach 22 -23º C, but there are also days with temperatures up to 30º C.

### COFFEE BREAKS

Coffee breaks will be served free of charge to all regular delegates, students, exhibitors and media representatives. The registration fee for accompanying persons does not include coffee breaks. All participants will also have the possibility to buy refreshments at the congress venue or at locations close by.

### CONGRESS BAG

The congress bag, containing the congress material, can be obtained at the registration desk at the congress venue.

### CONGRESS COURTESIES AND

#### CODE OF CONDUCTS

In consideration of all congress participants, cell phones should be turned off in all session rooms. Congress participants are expected to refrain from the following:

1. Inflicting personal threat or harm to any congress participant, exhibitor or staff
2. Inflicting damage to any property
3. Preventing speakers from giving their speeches

### CURRENCY

Germany's unit of currency is the Euro (1 Euro = 100 Cents). Coins of 1, 2 and 5 centimes are copper-coloured; coins of 10, 20 and 50 centimes are gold-coloured. Euro notes come in denominations of 5, 10, 20, 50, 100, 200 and 500. Credit cards are widely accepted. For currency exchange, please ask your hotel for further information.

### ELECTRICITY

In Germany, sockets operate with 220 Volts. Plug sockets are European continental standard (two round pins).

### INSURANCE AND LIABILITY

The congress organizer cannot accept liability for personal injury, loss or damage to belongings of congress participants, either during or as a result of the congress. Please check the validity of your insurance.

## INTERNET HOMEPAGE

For up-to-date information regarding the congress (including registration, accommodation booking and abstract submission), please visit the congress website at:

[www.geneticsberlin2008.com](http://www.geneticsberlin2008.com)

which is regularly updated.

## LANGUAGE

The official congress language is English. No simultaneous translation will be provided.

## NAME BADGE

A badge is required for admittance to all official congress sessions and events. Each participant is asked to present the badge in order to gain access to the congress. The name badge must be worn and clearly displayed at all times.

## OPENING CEREMONY, WELCOME

### RECEPTION AND CLOSING CEREMONY

The Opening Ceremony on Saturday, July 12, 2008 will take place from 04.30 to 06.00 p.m. It will be followed by a Welcome Reception from 06.00 to 08.00 p.m. The Closing Ceremony will take place on Thursday, July 17, 2008 from 04.30 to 06.00 p.m. These events are free of charge for all registered participants.

## PASSPORT AND VISA REQUIREMENTS

Delegates from countries within the European Union / Schengen Area will only need a valid passport or ID to travel to Germany. All other delegates should contact the nearest German embassy or consulate for visa details.

## PEOPLE WITH DISABILITIES

The ICC Berlin is accessible to congress participants with disabilities.

## POSTER AREA/SESSIONS

Posters will be exhibited throughout the duration of the congress. Poster Discussions will take place during the following times:

### Posters A and B

Sunday, July 13, 2008, Noon - 02.00 p.m.

### Posters C and D

Monday, July 14, 2008, Noon - 02.00 p.m.

### Posters E

Tuesday, July 15, 2008, Noon - 02.00 p.m.

### Posters F and G

Wednesday, July 16, 2008, Noon - 02.00 p.m.

### Posters H and I

Thursday, July 17, 2008, Noon - 03.00 pm.

Poster authors will be asked to stand next to their poster during these times.

## PROGRAM CHANGES

The organizers cannot assume liability for any changes in the program due to external or unforeseen circumstances. Please check the website for regular updates. The organizers reserve the right to cancel, postpone, relocate or change any of the sessions.

## PUBLIC TRANSPORTATION

Berlin offers a great diversity of public transportation, such as U/S Bahn, bus and tram.

The U/S Bahn is the most efficient way to travel around Berlin. There are 10 U-Bahn and 13 S-Bahn lines which operate from 04.00 a.m. to just after midnight, except at weekends and around public holidays when service continues through the night on all lines except the U4. Places further away are served by the Regionalbahn (RB) and Regionalexpress (RE) lines.

Berlin's buses are rather slow, but comfortable. Bus stops are marked with a large "H" and the name of the stop. Night buses operate from around midnight until 04.30 a.m., running at roughly 30-minute intervals.

There are taxi ranks at the airports, major train stations and throughout the city. Taxis can also be ordered by telephone.

Funktaxi Berlin: +49-30-26 10 26  
TaxiFunk: +49-30-44 33 22  
Taxi-Ruf City Funk: +49-21 02 02

Unlike many major cities, Berlin is friendly to both cyclists and pedestrians.

## SMOKING POLICY

It is forbidden to smoke in any part of the ICC Berlin.

## SPEAKER CENTER

Invited speakers, chairpeople and oral abstract presenters must report to the Speaker Center at least four hours prior to their presentation in order to check and deposit their presentation.

# XX INTERNATIONAL CONGRESS OF GENETICS, BERLIN, 2008

BERLIN, GERMANY, JULY 12 – 17, 2008

## Genetics reveals the structure, function and evolution of living systems.

Genomics revolutionized genetic research. Now, complete annotated genome sequences are available for the human, our closest relative, the chimpanzee, and for many other model organisms. Multiple genomes have been compared and scrutinized for past and ongoing processes of variation, adaptation and speciation. Traces of the foregoing RNA world show it to be far more influential than previously suspected. Comprehensive maps of genome variation and polymorphism paint a rich picture of our population and evolutionary history and illustrate new strategies that will explain genetic, epigenetic and environmental contributions to disease risk. Transcriptomes comprehensively documenting gene expression and proteomic data sets are being built into functional networks and systems. Bioinformatics and modeling of genomic data attempt to predict and explain the functional architecture of genomes across the diversity of organisms.

The Congress in Berlin will present the latest genetic and genomic insights in ten plenary lectures and 54 concurrent symposia. 280 of the world's most prominent geneticists will speak.

For more information on the scientific program and associated activities, please visit: <http://www.geneticsberlin2008.com>



## GENETICS – UNDERSTANDING LIVING SYSTEMS

**Registration NOW open**

### Abstract Submission Deadline

January 15, 2008

### Deadline for Early Registration Fee

January 15, 2008

### Early Exhibitor Deadline

January 18, 2008

#### Scientific Topics:

- (selection)
- › Ageing and longevity
- › Biodiversity
- › Clocks and rhythms
- › Computational genetics and systems biology
- › Development of multicellular organisms
- › Epigenetics and chromatin
- › Evolutionary genomics, adaptation, speciation
- › Human evolution
- › Human genetics and human disease
- › Metagenomics
- › Neurogenetics
- › RNA world
- › Stem cells
- › Synthetic biology

#### Congress President:

Rudi Balling (HZI Braunschweig, Germany)

#### Congress Secretary General:

Alfred Nordheim (Tuebingen University, Germany)

#### Co-Chairs International Program Committee:

Charles Langley (UC Davis, USA)  
Rudi Balling (HZI Braunschweig, Germany)

#### Plenary Lecturers:

**(confirmed)**

Richard Axel  
Elizabeth Blackburn  
Rudolf Jaenisch  
Eric Lander  
Svante Pääbo  
Phillip Sharp

#### Honorary Presidents:

Rudolf Jaenisch  
Christiane Nüsslein-Volhard  
Tomoko Ota

International Genetics Federation (IGF)



In partnership with

nature  
genetics