

*Under the patronage of the Berlin Senator for Science, Health and Care,
Dr. Ina Czyborra*

30. LEIBNIZ CONFERENCE OF ADVANCED SCIENCE



70 Years of DNA - Era of Translation

55 years RNA, 40 years PCR, 20 years primary sequence humanes genome



Friday, 6. October 2023

Seminaris CampusHotel
Takustr. 89, 14195 Berlin

in collaboration with



- PROGRAMME -

Friday, 6. October

08:00 – 09:30	Registration of participants
09:30 – 09:45	Welcome and opening Dr. Ina Czyborra Berlin Senator for Science, Health and Care Other Guests of Honour B. Junghans, LIFIS e.V., Berlin and F. Schaal, RIK Berlin Südwest
09:45 – 10:45	Panel Discussion <i>"Thinking with the future: when medicine is as individual as your own DNA"</i> Introduction: Steffen Terberl, Director Geschäftsstelle Zukunftsorte Berlin Panel participants: Dr. Hannah-Sophie Braun: Investment Manager Healthcare, IBB Ventures Dr. Daniel Forler, Bayer AG Dr. Christina Quensel, CEO Campus Berlin-Buch GmbH Prof. Dr. Hannes Rothe, Faculty of Economic Sciences, University Duisburg-Essen Moderation: Christine Reiss

- 10:45 – 12:15** **Session 1: Diversity of DNA**
- 10:45 – 11:10 **D. LASSNER**
DNA24.net und LIFIS e.V, Berlin
„70 years of DNA – Era of Translation“
-an introduction-
- 11:10 – 11:30 **M. MENGER**
Fraunhofer-Institute IZI-BB Potsdam
„Aptamer Technology“
- 11:30 – 11:50 **J. HOLLIDT**
In.vent Diagnostica GmbH, Hennigsdorf
„Human biospecimen as a basis for research and diagnostic innovation.“
- 11:50 –12:15 **M. HUMMEL**
German Biobank Node, Berlin
„Linked biobanking – higher value for translational research“
- 12:15 – 12:45 BREAK , POSTER SESSION und BIOTECH EXHIBITION
- 12:45 – 13:25** **Session 2: Evolution of Genome**
- 12:45 – 13:05 **B. KAUFER**
Veterinary Infectiology, FU Berlin, Berlin
„ Herpesvirus integration: Latency, endogenous viruses and cancer.“
- 13:05 – 13:25 **N. RAJEWSKY**
Berlin Institute for Medical Systems Biology (BIMSB) and
MDC Berlin-Buch, Berlin
„Future Systems Biology - from genotype to phenotype“
- 13:25 –14:25 LUNCH, POSTER SESSION and BIOTECH EXHIBITION
- 14:25 –16:45** **Session 3: Medical DNATechnology**
- 13:25 – 13:45 **M. FUCHS**
Pramomolecular GmbH, Berlin
„Gene Silencing- unlimited opportunities by silencing of disease related proteins“
- 14:45 – 15:05 **F. HEYD**
FU Berlin RNA Biochemie, Berlin
„One gene many enzymes – Alternative splicing in health and disease“

- 15:05 –15:25 **N.A. TIEN**
Biobank VINMEC Hospital, Hanoi, Vietnam
„Modern Biobanking and Stem Cell Therapy in Vietnam“
- 15:25 –15:45 **T. GRUNWALD**
Fraunhofer-Institute IZI, Leipzig
„CAR T- cell therapy for the treatment of tumor diseases“
- 15:45–16:05 **L. VALLIER**
Max-Planck-Institute for Mol. Genetics and BCRT, Berlin
„3D organ models by stem cells“
- 16:05 –16:25 **H. OPITZ**
Bioplanta GmbH, Leipzig
"Stem cells - the true fountain of youth?"
- 16:25 –16:45 **I. BARTRAM**
Gen-ethisches Netzwerk e.V., Berlin
„Gen-ethical aspects of translational biomedicine“
- 16:45 –17:15 BREAK , POSTER SESSION und BIOTECH EXHIBITION
- 17:15 – 19:45 **Session 4: Innovative DNA Analytics**
- 17:15 – 17:35 **A. SANDERS**
MDC BIMSB, Berlin
„Modern Analysis of Human Chromosomes“
- 17:35 – 17:55 **B. SAMATANGA**
Biotech Institute , Harare, Zimbabwe
„Opportunities and Challenges of Genomics and Personalized Medicine in Developing Countries“
- 17:55 –18:15 **G. ADAM**
Biocrates, Innsbruck, Österreich
„Omics²: From genes to metabolites“
- 18:15 – 18:35 **S. SCHUSTER**
Datar Cancer Genomics, Eckersdorf, Germany
„Improved treatment of cancer diseases by Multiomics based diagnostics“
- 18:35 –18:55 **P. HAMMER**
BIOMES NGS, Wildau
„The gut feeling – The importance of microbiome for our health and the planet“

18:55 –19:15	D. SMITH Fraunhofer-Institute IZI, Leipzig „Accelerated diagnostics by DNA nanodevices“
19:15	Finish of Conference
19:15-19:30	AWARDING OF THE POSTER PRIZES
19:30	GET-TOGETHER

05. October 2023

16-18 h Satellite Workshop on Future Diagnostics „Labs of Future – Future of Labs“
(PROFUND-Villa Berlin-Dahlem, separate registration necessary!)

19 h Welcome Evening (separate registration necessary, venue not fixed yet)

20h Keynote Lecture

Peter Spork, Neurobiologist, science journalist and author,
"The Second Code. How epigenetics is changing the way we look at our health".

Get-together

Parallel to the scientific program, an exhibition of innovative biotech companies from Berlin, Brandenburg and Germany as well as a poster exhibition will take place throughout the day.

Conference website: <https://leibniz-institut.de/konferenzen/70-jahre-dna/>

Online registration: <https://leibniz-institut.de/konferenzen/70-jahre-dna/registration/>

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