

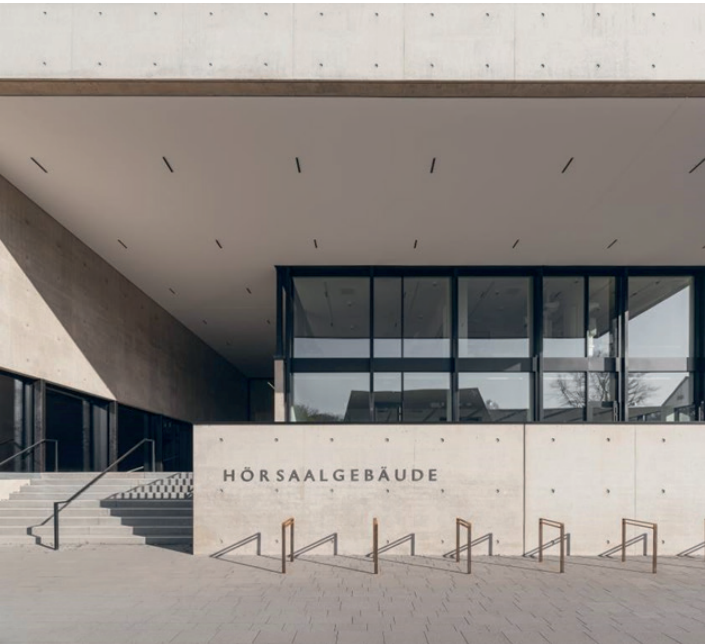


Center for Gender-specific Biology and Medicine

INVITATION

Symposium  
Sex and Gender in Biology and Medicine

March 19-20, 2024



Lecture Hall | Building 35 | Campus Homburg



UNIVERSITÄT  
DES  
SAARLANDES



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Dear colleagues and guests,

on behalf of the Center for Gender-specific Biology and Medicine at the Medical Faculty of Saarland University, we warmly welcome you to our international symposium on "Sex and Gender in Biology and Medicine".

Over the next two days, leading international experts and our own scientists from Saarland University will share cutting-edge research on the impact of biological sex and gender on health and disease. The program covers diverse topics from sex differences in brain connectivity and cancer predisposition to the role of sex and gender in fracture healing, neonatal care, immunity, and neurodegenerative diseases.

On the first evening, we have scheduled a public lecture that will examine the concepts of biological sex and socio-cultural gender, especially in the context of biomedical research. This lecture will be accompanied by a piano concert, offering a blend of scientific insight and cultural enrichment. A reception will follow, providing a chance for further discussion with the speaker and the musician.

We are grateful to our sponsors and volunteers for their support in organizing this symposium. It is an opportunity for us to learn from one another, collaborate, and contribute to the advancement of gender-specific biology and medicine. We hope you find the symposium both valuable and enjoyable. Welcome.

The speakers of the CGBM:

Prof. Dr. Sandra Iden

Prof. Dr. Frank Kirchhoff



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TUESDAY – MARCH 19, 2024

PROGRAMM

14:00 WELCOME ADDRESS

**Prof. Dr. Michael D. Menger**

*Dean, Medical Faculty*

**Prof. Dr. Ute Seeland**

*Chairwomen, German Society for Gender Medicine*

14:30 KEYNOTE LECTURES I + II

**Chair: Prof. Dr. Sandra Iden**

Genetic/epigenetic basis of sex and ethnic differences in cancer predisposition

**Prof. Dr. Gian-Paolo Dotto**

*Massachusetts General Hospital,  
Harvard Medical School, Charlestown, MA, USA,  
University of Lausanne, Switzerland*

Targeting drug development for accelerated neurodegeneration in women: davunetide neuroprotection in progressive supranuclear palsy

**Prof. Dr. Illana Gozes**

*The Adams Super Center for Brain Studies and  
Sagol School of Neuroscience, Tel Aviv University, Israel*

16:00 COFFEE BREAK

16:30 KEYNOTE LECTURE III

**Chair: Prof. Dr. Frank Kirchhoff**

Sex differences in brain connectivity and its clinical implications

**Prof. Dr. Ragini Verma**

*Head of Biomarkers and Clinical Development,  
Cohen Veterans Bioscience; Professor of Radiology  
(Adjunct), Perelman School of Medicine,  
University of Pennsylvania, USA*



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17:30 PUBLIC LECTURE AND CONCERT

**Chair: Prof. Dr. Ulrich Boehm**

**Rik van Ginkel** (*Piano*)

*Franz Liszt*

*Rêve d'amour, Fazil Say, Black Earth*

*Sergei Prokofiev*

*Suggestion Diabolique*

Nur zwei Geschlechter?

Sex und Gender in der geschlechtsspezifischen  
biomedizinischen Forschung

**Prof. Dr. Christoph Rehmann-Sutter**

*Theorie und Ethik der Biowissenschaften*

*Institut für Medizingeschichte und*

*Wissenschaftsforschung, Universität zu Lübeck*

**Rik van Ginkel** (*Piano*)

*Jean Sibelius*

*Romance 24/9*

*Bela Bartok*

*3 Hungarian Folkdances from Csik*

*Frédéric Chopin*

*Révolution, Nocturne 48/1, Ocean*

*Rik van Ginkel*

*Liberté*

19:30 RECEPTION



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WEDNESDAY – MARCH 20, 2024

PROGRAMM

9:00 Sex and Gender in Biology and Medicine, Part I

**Chair: Prof. Dr. Michael Zemlin**

Sex-specific characteristics in movement  
throughout healing after lower leg fractures

**Dr. Elke Warmerdam**

*Innovative Implant Development  
(Fracture Healing), Clinics and Institutes  
of Surgery, University of Saarland*

Sex-based differences in hyperoxia induced  
damage on the developing brain  
in preterm infants

**Dr. Donna Elizabeth Sunny**

*Department of Neonatology and Pediatric Intensive  
Care Medicine, University Medical Center Greifswald*

Seeking the source of differences:  
sex-specificity in paediatrics

**Dr. Michelle Bous**

*Department of General Pediatrics and Neonatology,  
University of Saarland*

Impact of antibiotics on immunity throughout life

**Muriel Hans**

*Institute of Pharmaceutical Biology and  
Department of General Pediatrics and Neonatology,  
University of Saarland*

10:40 COFFEE BREAK



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11:00 Sex and Gender in Biology and Medicine, Part II

**Chair: Prof. Dr. Alexandra K. Kiemer**

Interleukin-2 and its impact on cytotoxic lymphocytes across gender and age

**Dr. Annette Lis**

*Biophysics, Center for Integrative Physiology and Molecular Medicine (CIPMM), University of Saarland*

Sex-specific GABAB receptor signaling in oligodendrocyte lineage cells in remyelination

**Dr. Xianshu Bai**

*Molecular Physiology, Center for Integrative Physiology and Molecular Medicine (CIPMM), University of Saarland*

Does biological sex matter in hearing and acoustic trauma?

**Prof. Dr. Jutta Engel**

*Biophysics, Center for Integrative Physiology and Molecular Medicine (CIPMM), University of Saarland*

12:30 CLOSING REMARKS