



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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## TUESDAY – MARCH 19, 2024

### PROGRAMM

14:00 INTRODUCTORY REMARKS

**Prof. Dr. Michael D. Menger**  
*Dekan der Medizinischen Fakultät*

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*

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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*

Impact of antibiotics on immunity throughout life

**Muriel Hans**

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

Seeking the source of differences:  
sex-specificity in paediatrics

**Dr. Michelle Bous**

*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



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