

FALLING WALLS LAB BADEN- WÜRTTEMBERG

10 JULY 2024 STUTTGART
2:00 PM | ARENA2036
PFAFFENWALDRING 19

Proudly presented by our hosting and co-organizing institutions:



University of Stuttgart
Germany

Wissensfabrik
Mehr Wissen. Mehr Können. Mehr Zukunft.



HEiKA
Heidelberg Karlsruhe
Strategic Partnership

KIT
Karlsruher Institut für Technologie



UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386

Universität
Konstanz





CONCEPT

**THE FALLING WALLS FOUNDATION FOUNDED
FALLING WALLS LAB IN 2011 TO:**

CONNECT aspiring innovators

DISCOVER and develop talents

SUPPORT interdisciplinary dialogue and international cooperation

DEVELOP new ways of scientific communication

BUILD new and strong networks

ABOUT THE FALLING WALLS LAB BADEN-WÜRTTEMBERG:

The Lab is an international pitch competition in which participants present their research-based idea, project or innovation in three minutes and are evaluated by a panel of experts at the end. The winner of the lab will have the fantastic opportunity to meet an international community from science, business, politics and culture at the Falling Walls Science Summit in Berlin and compete for the title of "Science Breakthrough of the Year" on a large stage in the final.



PROGRAM

2:00 pm GUEST ADMISSION AND NETWORKING

2:30 pm INTRODUCTION AND LAB RULES

3:00 pm BREAKTHROUGH PITCHES

4:30 pm COFFEE BREAK AND AUDIENCE VOTE

4:50 pm ON-STAGE PANEL DISCUSSION

5:15 pm AWARD CEREMONY

5:30 pm DINNER AND NETWORKING

JURY BOARD



Jun.-Prof. Dr. Amrei Bahr, Jury Chair

*Expert and Junior Professor of Philosophy of
Technology and Information
University of Stuttgart*

Udo-Martin Gómez

*Executive Vice President
Bosch Research*



Photo: Robert Bosch GmbH



Jun.-Prof. Dr. Barbara Bruno

*Expert and Junior Professor of Computer Science and Robotics
Karlsruhe Institute of Technology (KIT)*

Prof. Dr. Ana Martin-Villalba

*Head of Molecular Neurobiology Division
German Cancer Research Center (DKFZ)*



Photo: Tobias Schwerdt



Prof. Dr. Giso Hahn

*Head of Photovoltaics Division
University of Konstanz*



PRESENTERS

MARLON SUDITSCH

*Doctoral Researcher | Medical Biomechanics
University of Stuttgart*

BREAKING THE WALL OF A VIRTUAL CANCER PATIENT

SAMUEL SANDER

*Doctoral Researcher | Neurotechnology
Central Institute for Mental Health Mannheim*

BREAKING THE WALL OF MEMORY LOSS

TIFFANY CHENG

*Research Group Leader | Bioinspired Design & Computational Fabrication
University of Stuttgart*

BREAKING THE WALL OF BIOINSPIRED BUILDING

ANDRA-LISA M. HOYT

*Doctoral Researcher | Chemistry & Geology
University of Konstanz*

BREAKING THE WALL OF STONE REMINERALIZATION

MUHAMMAD SAEED

*Doctoral Researcher | Computational Simulation and Defects Analysis
University of Stuttgart*

BREAKING THE WALL OF EXPENSIVE SIMULATIONS

ALEXANDER GERMAN

*Resident Physician & Clinician Scientist
University Hospital Erlangen*

BREAKING THE WALL OF TIME



PRESENTERS

YASMIN ANTONELLI

*Doctoral Researcher | Artificial Tumors & Personalized Medicine
Heidelberg University*

BREAKING THE WALL OF CANCER THERAPY

SHAHNEWAZ SHUVA

*Doctoral Researcher | Energy Management
University of Stuttgart*

BREAKING THE WALL OF BUILDING ENERGY WASTE

JULIUS MAXIMILIAN KERNBACH

*Doctoral Researcher | Neuroscience
University Hospital Heidelberg*

BREAKING THE WALL OF GLIOBLASTOMA WITH AI

LISA GREGOR

*Doctoral Researcher | Personalized Cancer Immunotherapy
University Hospital LMU Munich*

BREAKING THE WALL OF CANCER USING ARTIFICIAL INTELLIGENCE

KIAN VAN DER ENDEN

*Doctoral Researcher | Quantum Technology
Delft University*

BREAKING THE WALL OF SCALABLE QUANTUM NETWORKS

ORGANIZERS

STRENGTHENING SCIENCE-INNOVATION NETWORKS IN BADEN-WÜRTTEMBERG: ABOUT THE ORGANIZERS

For the past four years, the partners of the Falling Walls Lab Baden-Württemberg have been hosting the Lab in a rotating system to strengthen regional networks. Since 2023, the University of Stuttgart with the Project Elements4Founding (supported by Vector Stiftung) at the Institute of Entrepreneurship and Innovation Science (ENI) is a part of the organizing team and hosts the Falling Walls Lab BW 2024 together with Wissensfabrik e. V. The organizers are independent partners of the Falling Walls Foundation.

Local Organizers:

Mia-Celine Zsohár (University of Stuttgart, Institute of Entrepreneurship and Innovation Science (ENI)), Lena Gutjahr (Wissensfabrik e. V.) Alina Aldinger and Domenica Riecker-Schwörer (KIT), Regine Kleber and Maria Garcia Hernandez (HEiKA Research), Christine Ludwig, Anja Weidenmüller & Jana Kaiser (University of Konstanz).

We would like to thank all presenters, jury members, supporters, contributors, and helping hands from our home institutions and beyond that make this event possible in 2024!

ARENA2036



Registration:

