



# FALLING WALLS LAB **BADEN- WÜRTTEMBERG**

18 JULY 2025

University of Konstanz | Data Theatre

Hosted by



Supported by



University of Stuttgart  
Germany

HEIKA  
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# 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 LAB

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.



# TIMELINE

- 13:30** GUEST ADMISSION AND NETWORKING
- 14:00** INTRODUCTION AND LAB RULES
- 14:10** BREAKTHROUGH PITCHES
- 15:30** BREAK AND AUDIENCE VOTE
- 15:45** ON-STAGE PANEL DISCUSSION
- 16:45** AWARD CEREMONY
- 17:30** DINNER AND NETWORKING
- 18:00** JAZZ BAND
- 20:00** OFFICIAL END OF EVENT

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LAB  
BADEN-WÜRTTEMBERG



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# JURY



## **DR. KIRSTIN BOSBACH**

Project Manager Startup Promotion at  
Wissensfabrik - Unternehmen für Deutschland e. V.



## **TT-PROF. BARBARA BRUNO**

Karlsruhe Institute of Technology (KIT),  
Institute for Anthropomatics and Robotics (IAR)



## **PROF. NILS HOEGSDAL**

Vice Rector Innovation  
Stuttgart Media University

# JURY



## **PROF. ELISA MAY**

Chief Enabling Technology Officer,  
German Cancer Research Center  
(DKFZ) Heidelberg and Professor of  
Cellular Bioimaging, University of Konstanz



## **PROF. PATRICK MÜLLER**

University of Konstanz,  
Professor of Developmental Biology and  
co-founder of EmbryoNet AI Technologies



## **INA SCHLIE**

University Councillor at the  
University of Konstanz,  
graduate economist and Co-Chair  
of encourageventures e.V.

# PRESENTERS

## BREAKING THE WALL OF MISINFORMATION

*I am taking part in the Falling Walls Lab, because I can bring my ideas into the spotlight and connect with people who are just as passionate about pushing boundaries. It's a chance to learn, grow, and be part of something truly transformative.*

**DR. SHAHIN GHAZIANI**

**Postdoctoral researcher, University of Hohenheim, Stuttgart**



## BREAKING THE WALL OF FRAGILE AND INACCESSIBLE DIAGNOSTICS

*I am taking part in the Falling Walls Lab because I believe scientific innovation must serve those who need it most.*

**DR. OLIVA SALDANHA**

**Postdoctoral researcher, University of Konstanz**

# PRESENTERS



## BREAKING THE WALL OF HEART PUMP IMPLANTATION

*I am taking part in the Falling Walls Lab, because I want to share our innovative approach for implanting heart pumps without the need for a heart-lung machine, connect with like-minded researchers, and gain support to advance our project towards real-world impact.*

**DR. MED. FLORIAN MEISSNER**  
Postdoctoral researcher, University of Freiburg

## BREAKING THE WALL OF MISSED INFECTION ALERTS

*I am taking part in the Falling Walls Lab, because with generative AI, we are restoring critical health data, improving the detection of infectious diseases, and striving to bring science into the lives it's meant to protect.*



**JÜRGEN WALLNER**  
Postdoctoral researcher, Heidelberg Institute of Global Health (HIGH)

# PRESENTERS

## BREAKING THE WALL OF INVISIBILITY

*I am taking part in the Falling Walls Lab, because I believe that there are remediable injustices around us that we can try to eliminate.*

**DR. DORCAS NTHOKI NYAMAI**  
Postdoctoral researcher, TU Dortmund



## BREAKING THE WALL OF VALIDATING THE UNSEEN

*I am taking part in the Falling Walls Lab because I want to take advantage of the opportunity to discuss interdisciplinary research approaches and raise awareness of the tragic issue of abusive head trauma.*

**RAPHAEL GRAU**  
Postdoctoral researcher, Karlsruhe Institute of Technology (KIT),  
Institute of Product Engineering (IPEK)



# PRESENTERS



## BREAKING THE WALL OF DAMAGE FREE MICROSCOPY

*I am taking part in the Falling Walls Lab, because I want to meet people that are as enthusiastic as me about science and tackling the problems of today's world.*

**Carina Kanitz**

**Doctoral researcher, German Aerospace Center,  
Institute of Quantum Technologies, Ulm**

## BREAKING THE WALL OF AUTONOMOUS OCEAN DISCOVERY



*I am taking part in the Falling Walls Lab, because I believe innovation flourishes at intersections — where ideas, technology, and purpose meet. By joining Falling Walls Lab, I aim to showcase how SailSwarm's autonomous sailing robots redefine ocean discovery and monitoring, while connecting with visionary thinkers to collaboratively shape a sustainable maritime future.*

**PRANAV KEDIA**

**Doctoral researcher, University of Konstanz**

# PRESENTERS



## BREAKING THE WALL OF ENERGY USING NOVEL PEROVSKITE MATERIALS

*I am taking part in the Falling Walls Lab, because  
I want to show how a simple beam of light can reshape  
the future of clean energy.*

**MAYANK KEDIA**

**Doctoral researcher at Institute for Photovoltaics,  
University of Stuttgart**

## BREAKING THE WALL OF NEXT-GEN DESIGNER CELLS ENGINEERING

*I am taking part in the Falling Walls Lab because  
I want to spotlight novel, human-relevant application methods  
and to showcase how precision in science can thrive without compromising  
sustainability [Ethics].*

**DR. CLOVIS H. SEUMEN T.**

**Postdoctoral researcher and founder, University of Konstanz**



# ORGANIZERS

## STRENGTHENING SCIENCE-INNOVATION NETWORKS IN BADEN-WÜRTTEMBERG:

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. After successful editions at the University of Heidelberg (2022), the Karlsruhe Institute of Technology (2023), and the University of Stuttgart (2024), the Lab is hosted by the University of Konstanz in 2025. The organizers are independent partners of the Falling Walls Foundation.

Christine Ludwig, Anja Weidenmüller, and Jana Kaiser (University of Konstanz), Alina Aldinger and Domenica Riecker-Schwörer (KIT), Regine Kleber (University of Heidelberg, HEiKA) and Maria Garcia (KIT, HEiKA).

*We would like to thank all presenters, jury members, supporters, contributors, and helping hands from our home institutions and beyond that made this event possible in 2025!*





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