



# NanoDay 2024

## Monday 16.09.2024

Talks: Appelstr. 4, 30167 Hanover, Multimedia Lecture Hall,  
Technical Computer Science (Building 3703)

Poster Session: Schneiderberg 39, 30167 Hannover, Foyer,  
Laboratory of Nano and Quantum Engineering (Building 3430)

## Program

10:15 Welcome (in the multimedia lecture hall)

Welcome by **Prof. Dr.-Ing. Stefan Zimmermann**,  
Speaker of the Executive Board of the Laboratory of Nano and Quantum Engineering

Welcoming words by **Prof. Dr.-Ing. Holger Blume**,  
Vice President for Research and Transfer at Leibniz University Hannover

10:30 - 11:40 Session I

*Nanophotonics for precision sensing*  
**Prof. Dr. Stefanie Kroker**  
Institute of Semiconductor Technology, Technische Universität Braunschweig

*Implementing aerogels in microfluidic channels*  
**Prof. Dr.-Ing. Michael J. Vellekoop**  
Institute for Microsensors, -actuators and -systems, University of Bremen

11:40 - 12:00 Coffee break

12:00 - 13:10 Session II

*Nanomembranes: from origami to applications*  
**Prof. Dr. Robert Blick**  
Institute for Nanostructure and Solid State Physics, Universität Hamburg

*Nanoconfinement - What happens to water and solutions in small pores?*  
**Prof. Dr. Michael Fröba**  
Institute of Inorganic and Applied Chemistry, Universität Hamburg

13:15 Conference photo (in front of the LNQE research building)

13:15 - 14:00 Lunch

14:00 - 15:30 Poster Session (in the LNQE research building)

15:45 - 16:55 Session III

*The Power of Light: Designing Nanomaterials with Pulsed Lasers in Liquids*  
**Dr. Sven Reichenberger**  
Institute of Technical Chemistry I, University of Duisburg-Essen

*Tiny tools, big discoveries – Exploring biological frontiers using microsystems*  
**Prof. Dr. Iordania Constantinou**  
Institute of Microtechnology, Technische Universität Braunschweig

16:55 - 17:00 Award ceremony of the poster prize

Follow-up: Get-together in the LNQE-research building to conclude the NanoDay 2024

