PIER

Partnership of
Universität Hamburg and DESY

PIER Day 2026

25 November 2026, 10:30 – 16:00

CFEL SR I-III and foyer

10:30 – 11:00	Registration and snacks/ coffee CFEL foyer

11:00 – 12:30	**Welcome & Highlights from PIER Seed Projects**
	Francesca Calegari (Head of the PIER Executive Board)
	CFEL SR I-III
	• **Oliviero Cannelli** (DESY): *Exploring Ultrafast Electronic Coherences in Metal-Organic Complexes in Solution*
	• **Stefanie Haugg** (UHH): *3D-Nanoprinted Microchannel Plate (3DN-MCP) Detector Functionalized by Atomic Layer Deposition (ALD) for Mass Spectrometry of High-Mass Proteins*
	• **Maria Garzelli** (UHH)/ **Finn Labe** (DESY)/ **Lukas Pyziak** (DESY): *Toponium for Run 3 at the Large Hadron Collider*
	• Spotlights from recently approved PIER Seed Projects:
	  ○ **Juliette Leroux** (UHH): *Investigating Molecular Chirality Using Time-Resolved Photoelectron Circular Dichroism*
	  ○ **Sofia Mortensen** (DESY): *Deoxydinucleotides as Signals in Bacterial Immunity*
	  ○ **Lorenzo Martelli** (DESY): *Optically-Assisted Active Plasma Lens for Future High-Repetition Rate, Plasma-Based Accelerators and Colliders*

12:30 – 13:30	Lunch break CFEL foyer
13:30 – 14:15	**Keynote Talk "Why Basic Research Matters: Lessons from Copenhagen's DeepTech Innovation Ecosystem"** (working title) CFEL SR I-III • **Peter Krogstrup** (Physics professor at Niels Bohr Institute/ University of Copenhagen & CEO at Novo Nordisk Foundation Quantum Computing Programme)

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14:15 – 14:45 **Spotlights from the Crossroads of Basic Research and Innovation**

- Innovation Emerging from the Clusters of Excellence:
  - CUI: Advanced Imaging of Matter (**Franz Kärtner**, DESY/UHH)
  - Quantum Universe (**Christoph Reinhardt**, DESY)

14:45 – 15:00 **Coffee Break**
CFEL foyer

15:00 – 16:00 **Panel Discussion "The Unseen Accelerator: The Role of Basic Research for Hamburg's Future as a DeepTech Startup Hotspot"**
CFEL SR I-III

Hamburg's ambition to become a DeepTech startup hotspot depends on more than venture capital and incentives. It rests on a stable, long-term foundation: world-class basic research at universities and non-university research institutions. Panelists will discuss how fundamental discoveries and enabling research infrastructure at DESY and UHH help build the talent pipeline, expand the knowledge base, and create the translational pathways DeepTech founders rely on. We will also look at Copenhagen as a compelling example of a city that has successfully evolved into one of Europe's most dynamic DeepTech innovation hubs in recent years.

- Moderation: Jan-Martin Wiarda
- Panelists:
  - Hauke Heekeren (UHH)
  - Beate Heinemann (DESY)
  - Peter Krogstrup (University of Copenhagen)
  - Sabine Kunst (Joachim Herz Foundation)
  - N.N. (Hamburg Chamber of Commerce) *tbc*

16:00 – 16:15 **Farewell & Welcome: PIER Executive Board Chair**
CFEL SR I-III