

PIER Day 2024

15 November 2024, 10 a.m. – 3 p.m.

CFEL SR I-III and foyer

10 – 10:15 a.m. **Registration and coffee**
CFEL foyer

10:15 – 10:30 a.m. **Welcome by Heads of PIER Partners**
Helmut Dosch (Chairperson of the DESY Board of Directors)
Hauke Heekeren (President of the University of Hamburg)
CFEL SR I-III

10:30 – 11:15 a.m. **Highlights from PIER Seed Projects**
Chair: Francesca Calegari (Head of PIER)
CFEL SR I-III

- “Attosecond Dynamics in Norbornadiene/Quadracycline Photoswitches” (Giulio Rossi/ DESY)
- “A vascularized, innervated, 3D skin-on-a-chip organoid model to study viral infections and antiviral treatment” (Manja Czech-Sioli/ UKE)
- Spotlights on recently selected PIER Seed Projects (call 2024):
 - “3D-Nanoprinted Microchannel Plate (3DN-MCP) Detector Functionalized by Atomic Layer Deposition (ALD) for Mass Spectrometry of High-Mass Proteins” (Stefanie Haugg/ UHH)
 - “Chirality-sensitive covariant mass-spectrometry” (Denis Tikhonov/ DESY; Niclas Wieland/ UHH)

11:15 – 11:45 a.m. **Joint research perspectives of DESY and UHH in specific fields**
Chair: Saša Bajt (DESY)
CFEL SR I-III

- Artefact Profiling (Konrad Hirschler/ UHH)
- Cavity Control of Quantum Materials (Andreas Hemmerich/ UHH)

11:45 a.m. – 12 p.m. **Coffee break**
CFEL foyer

12 – 12:45 p.m.

**Initiative for a new Hamburg International Centre for Photonics,
Accelerators and Entrepreneurship (HIPACE)**

Chair: Francesca Calegari (DESY/UHH)

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- Concept and Objectives of HIPACE (Wim Lemans/ Tais Gorkhover)
- HIPACE partners' perspectives on photonics research
 - DESY: Franz Kärtner
 - UHH: Tais Gorkhover
 - European XFEL: Thomas Tschentscher
 - HSU: Oleg Pronin
 - TUHH: Alexander Petrov

12:45 – 1:30 p.m.

Lunch break

CFEL foyer

1:30 – 2 p.m.

Innovation and Tech Transfer at Science City Hamburg Bahrenfeld

Chair: Nils Huse (UHH)

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- The Innovation Ecosystem at Science City Hamburg Bahrenfeld: Start-up Labs Bahrenfeld, Techhub Hamburg and DESY Innovation Factory I + II (Christina Frehse, DESY)
- Startup Factory Hamburg – a PIER PLUS initiative (Michel Clement, UHH)

2 – 3 p.m.

**Panel discussion: “From Research to Innovation: Tech Transfer at Science
City Hamburg Bahrenfeld”**

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Discussants:

- Jetta Frost (UHH)
- Florian Grüner (UHH)
- Christoph Heyl (DESY)
- Ekaterina Jung (5pectre Optixx (in pre-founding))
- Arik Willner (DESY)

Moderator:

- Anke Harnack