

PIER Day 2022

November 18th, 2022, 9 a.m. – 3:30 p.m.

CFEL SR I-III and foyer

8:30 – 9 a.m.

Registration and coffee
CFEL foyer

9 – 9:10 a.m.

Welcome by head of the PIER Executive Board
Prof. Dr. Francesca Calegari (DESY/UHH)
CFEL SR I-III

9:10 – 10 a.m.

Highlights from PIER Seed Projects
CFEL SR I-III

- Dr. Christoph Heyl (DESY): “Pulse-post compression in gas-filled multi-pass cells” (2018-2020)
- Dr. Theresa Staufer (UHH): “X-ray fluorescence imaging of labelled T-cells with a laser-driven X-ray source” (2020-2022)
- Dr. Irene Fernandez-Cuesta (UHH)/ Dr. Sergio Diez-Cornell (DESY): “A tunable light source and plasmonics for selective, on-chip lysing of bio-organisms” (2021-2023)

10 – 10:30 a.m.

Coffee break
CFEL foyer

10:30 a.m. – 12
p.m.

Joint research perspectives of DESY and UHH in specific fields
(Moderator: Prof. Dr. Francesca Calegari)
CFEL SR I-III

- Data science (Dr. Anton Barty, DESY; Prof. Dr. Nihat Ay, TUHH)
- Infection research (Prof. Dr. Kay Grünewald, UHH/LIV)
- Materials research (Prof. Dr. Patrick Huber, DESY/TUHH; Prof. Dr. Wolfgang Parak, UHH)
- Particle & astroparticle physics (Prof. Dr. Gregor Kasieczka, UHH)
- Photon & accelerator science (Prof. Dr. Franz Kärtner, DESY/UHH)
- Quantum technologies & quantum computing (Prof. Dr. Kerstin Borras, DESY/RWTH Aachen; Prof. Dr. Klaus Sengstock, UHH)
- Water research (Prof. Dr. Michael Fröba, UHH)

12 – 12:15 p.m.

Interdisciplinarity beyond the natural sciences: DESY infrastructure in humanities research
CFEL SR I-III

Prof. Dr. Konrad Hirschler (UHH): Research collaboration between DESY and the UHH Cluster of Excellence “Understanding Written Artefacts”

12:15 – 1:30 p.m. Lunch buffet
CFEL foyer

Poster session: Past and current PIER Seed Projects

1:30 – 2 p.m. **Science on Bahrenfeld campus: infrastructure, campus development and joint DESY/UHH research perspectives**
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- Dr. Harald Reichert (DESY): PETRA IV as future core infrastructure on Bahrenfeld campus
- Dr. Kerstin Fröhlich (Science City Hamburg Bahrenfeld GmbH): Campus development in the context of Science City Hamburg Bahrenfeld
- Prof. Dr. Francesca Calegari (DESY/UHH): Summary of morning discussion on joint DESY/UHH research perspectives & outlook

2 – 3 p.m. **Panel discussion “Science in the Science City: Joint perspectives for strategic development in research of DESY and Universität Hamburg”**
CFEL SR I-III

Discussants:

- Prof. Dr. Helmut Dosch (Chairman of the DESY Board of Directors)
- Dr. Rolf Greve (Head of Department at the Hamburg Ministry for Science, Research, Equality and Districts (BWFGB))
- Prof. Dr. Hauke Heekeren (President of Universität Hamburg)
- Prof. Dr. Norbert Ritter (Dean of the MIN Faculty of Universität Hamburg)
- Prof. Dr. Petra Arck (Vice Dean for Research at the Medical Faculty of Universität Hamburg / University Medical Center Hamburg Eppendorf (UKE))

Moderator:

- Dr. Jan-Martin Wiarda

3 – 3:15 p.m. Coffee break
CFEL foyer