

# PIER Graduate Week 2023

## Interdisciplinary lecture and workshop week for PhD students

Lectures, talks, scientific colloquium and transferable skills for doctoral candidates in the PIER research fields:

/ Particle & Astroparticle Physics

/ Nanoscience

/ Photon Science

/ Infection & Structural Biology



CFEL, SR I-V  
/ Campus Bahrenfeld  
/ Hamburg

Programme & registration:  
[pier-hamburg.de/gradweek2023](http://pier-hamburg.de/gradweek2023)



Registration open until:  
15 September 2023

### Course 1:

9:00 am - 12:30 pm, 16-19 Oct

*Physics & AI: Foundations and Applications of Machine Learning in Fundamental Physics Research*

/ Gregor Kasieczka  
Universität Hamburg

### Course 2:

2:00 pm - 5:30 pm, 16-19 Oct

*The Physics of the Life Sciences: Connections of Fundamental Physics to Modern Biology and Medicine*

/ Antonio Failla  
UKE Hamburg

/ Jürgen Finsterbusch  
UKE Hamburg

/ Helen Ginn  
DESY

/ Pedram Mehrabi  
Universität Hamburg

/ Alessandra Picchiotti  
Universität Hamburg

/ Susann Quinn  
University College Dublin

/ Maya Topf  
LIV / UKE / CSSB

/ Roland Thünauer  
CSSB Hamburg

### Scientific colloquium:

6:00 pm - 7:30 pm, 16 Oct

### AI in Medical Care

/ Nils Schweingruber  
UKE, Hamburg

### Industry talk:

6:00 pm - 7:30 pm, 17 Oct

### Flight Physics at AIRBUS

/ Jasone Garay Garcia  
Airbus, Hamburg

### Soft skills:

9:30 am - 5:30 pm, 20 and 23 Oct