**HELIOS-PIER Graduate Week 2025 Programme**

Location: CFEL Building, DESY Campus

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|  | **Monday 6/10** | **Tuesday 7/10**  | **Wednesday 8/10** | **Thursday 9/10** | **Friday 10/10** |
| 9:00-10:30 | **Begin at 9:30****Nano-imaging**Irene Fernandez-Cuesta (UHH), Roland Thuenauer (CSSB)**Seminar Room I** | **Begin at 10:00****Velocity map imaging: a powerful diagnostic in ultrafast laser physics experiments**Marc Vrakking (MBI, Berlin)**Seminar Room I** | **Optics for Doctoral Researchers****Henning Moritz, (UHH)****Seminar Rooms II-III** | **Optics for Doctoral Researchers****Henning Moritz, (UHH)****Seminar Rooms II-III** | **Soft Skill Courses** |
| 10:30-11:00 |  10:45 Coffee Break | Coffee Break15 minutes |  Coffee Break |  Coffee Break |
| 11:00-12:30 | **Tour of the imaging facility**  | **Velocity map imaging: a powerful diagnostic in ultrafast laser physics experiments**Marc Vrakking (MBI, Berlin)**Seminar Room I** | **Optics for Doctoral Researchers****Henning Moritz, (UHH)****Seminar Rooms II-III** | **Optics for Doctoral Researchers****Henning Moritz, (UHH)****Seminar Rooms II-III** |
| 12:30-14:00 | Lunch | Lunch | Lunch**Ends at 13:30** | Lunch |
| 14:00-15:30 | **Microscopy techniques and how nanotechnology and nanofabrication can help**Irene Fernandez-Cuesta (UHH)**Seminar Room I** | **A hands-on tutorial on the analysis of velocity map imaging data** Marc Vrakking (MBI, Berlin)**Seminar Room V, 1st Floor** | **Bus leaves at 13:30 from CFEL building****EU XFEL Tour****Back at CFEL around 16:30** | **Diffractive Imaging**Kartik Ayyer (MPSD)**Seminar Room I** |
| 15:30-16:00 | Coffee Break | Coffee Break | Coffee Break |
| 16:00-17:30 | **Lab demo on fabrication of a fluidic chip and DNA flow in it**Irene Fernandez-Cuesta (UHH) | **A hands-on tutorial on the analysis of velocity map imaging data** Marc Vrakking (MBI, Berlin)**Seminar Room V, 1st Floor** | **Diffractive Imaging**Kartik Ayyer (MPSD)**Seminar Room I** |
| 17:30-19:30 | **Industry talk: Thermo Fisher Company** presentation, discussion and networking **Seminar Room II**Catering included | End of Day | **Poster session** **CFEL Foyer BBQ included** | **HELIOS Social****CFEL Foyer** | End of Day |