**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 Break  15 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 |