PIER Graduate Week 2016

Interdisciplinary lectures and workshops for PhD students

10 – 13 Oct 2016

CFEL, Bahrenfeld Campus, Hamburg

Programme and registration:
www.pier-hamburg.de/graduateweek2016

The PIER Graduate Week addresses PhD students, MSc students and interested scientists.
Registration deadline: **1 September 2016**

PIER
Partnership of Universität Hamburg and DESY

Course overview PIER Graduate Week 2016

Morning sessions: Introductory courses
Registration open from 8:30

Time	Monday, 10 October	Tuesday, 11 October	Wednesday, 12 October	Thursday, 13 October
09:00 – 10:30	A1 Introductory course Particle and Astroparticle Physics **Gleb Arutyunov** Universität Hamburg Classical and Quantum Integrable Systems SR II	A1 Introductory course Particle and Astroparticle Physics **Gleb Arutyunov** Universität Hamburg Classical and Quantum Integrable Systems SR II	A1 Introductory course Particle and Astroparticle Physics **Gleb Arutyunov** Universität Hamburg Classical and Quantum Integrable Systems SR II	A1 Introductory course Particle and Astroparticle Physics **Gleb Arutyunov** Universität Hamburg Classical and Quantum Integrable Systems SR II
	A2 Introductory course Infection and Structural Biology **Henning Tidow** Universität Hamburg Proteins – Structure and Function SR III	A2 Introductory course Infection and Structural Biology **Henning Tidow** Universität Hamburg Proteins – Structure and Function SR III	A2 Introductory course Infection and Structural Biology **Henning Tidow** Universität Hamburg Proteins – Structure and Function SR III	A2 Introductory course Infection and Structural Biology **Henning Tidow** Universität Hamburg Proteins – Structure and Function SR III
10:30 – 11:00	**Coffee break**			
11:00 – 12:30	B1 Introductory course Photon Science **Henning Moritz** Universität Hamburg Making and probing ultracold atoms: BEC, Fermionic superfluidity and optical lattices SR II	B1 Introductory course Photon Science **Henning Moritz** Universität Hamburg Making and probing ultracold atoms: BEC, Fermionic superfluidity and optical lattices SR II	B1 Introductory course Photon Science **Jochen Küpper** **Sebastian Trippel** DESY & Universität Hamburg Motion of Molecules in electric fields SR II	B1 Introductory course Photon Science **Jochen Küpper** **Sebastian Trippel** DESY & Universität Hamburg Motion of Molecules in electric fields SR II
	B2 Introductory course Nanoscience **Karel Vyborny** Institute of Physics of the Czech Academy of Sciences, Prague Introduction to selected phenomena of quantum transport SR III	B2 Introductory course Nanoscience **Karel Vyborny** Institute of Physics of the Czech Academy of Sciences, Prague Introduction to selected phenomena of quantum transport SR III	B2 Introductory course Nanoscience **Karel Vyborny** Institute of Physics of the Czech Academy of Sciences, Prague Introduction to selected phenomena of quantum transport SR III	B2 Introductory course Nanoscience **Karel Vyborny** Institute of Physics of the Czech Academy of Sciences, Prague Introduction to selected phenomena of quantum transport SR III
12:30 – 14:00	**Lunch break**			

	Time	Monday, 10 October	Tuesday, 11 October	Wednesday, 12 October	Thursday, 13 October
Afternoon sessions: Focus courses & skills	14:00 – 15:30	C1 Focus course Photon Science Angel Rubio Max Planck Institute for the Structure and Dynamics of Matter, Hamburg Many-Body Correlations in Molecules and the Solid State SR II	C1 Focus course Photon Science Angel Rubio Max Planck Institute for the Structure and Dynamics of Matter, Hamburg Many-Body Correlations in Molecules and the Solid State SR II	C1 Focus course Photon Science Angel Rubio Max Planck Institute for the Structure and Dynamics of Matter, Hamburg Many-Body Correlations in Molecules and the Solid State SR II	C1 Focus course Photon Science Angel Rubio Max Planck Institute for the Structure and Dynamics of Matter, Hamburg Many-Body Correlations in Molecules and the Solid State SR II
		C2 Focus course Infection and Structural Biology Peter Kolb Philipps Universität Marburg Structure based drug design I SR III	C2 Focus course Infection and Structural Biology Peter Kolb Philipps Universität Marburg Structure based drug design I SR III	C2 Focus course Infection and Structural Biology Gerhard Wolber FU Berlin Structure based drug design II SR III	C2 Focus course Infection and Structural Biology Gerhard Wolber FU Berlin Structure based drug design II SR III
		C3 Communication + conflict solving skills (group A) Rob Thompson SR I C4 Academic writing skills (group A) Annette Klussmann-Kolb SR IV	C3 Communication + conflict solving skills (group A) Rob Thompson SR I C4 Academic writing skills (group A) Annette Klussmann-Kolb SR IV	C3 Communication + conflict solving skills (group A) Rob Thompson SR I C4 Academic writing skills (group A) Annette Klussmann-Kolb SR IV	C3 Communication + conflict solving skills (group A) Rob Thompson SR I C4 Academic writing skills (group A) Annette Klussmann-Kolb SR IV
	15:30 – 16:00	**Coffee break**			
Afternoon sessions: Focus courses & skills	16:00 – 17:30	D1 Focus course Particle and Astroparticle Physics Kazuki Sakurai Durham University Interpretation of the latest LHC results on new physics searches SR II	D1 Focus course Particle and Astroparticle Physics Kazuki Sakurai Durham University Interpretation of the latest LHC results on new physics searches SR II	D1 Focus course Particle and Astroparticle Physics Kazuki Sakurai Durham University Interpretation of the latest LHC results on new physics searches SR II	D1 Focus course Particle and Astroparticle Physics Kazuki Sakurai Durham University Interpretation of the latest LHC results on new physics searches SR II
		D2 Focus course Nanoscience Niek van Hulst Institute of Photonic Sciences, Barcelona Light at the nanoscale: ultrafast meets ultrasmall SR III	D2 Focus course Nanoscience Monika Fleischer Eberhard Karls Universität Tübingen Nanofabrication and spectroscopy of optical antennas SR III	D2 Focus course Nanoscience Tobias Brandes TU Berlin Transport in nanostructures SR III	D2 Focus course Nanoscience Andrew Cleland University of Chicago Building a superconducting quantum computer: A better way to play Battleship? SR III
		D3 Communication + conflict solving skills (group B) Rob Thompson SR I D4 Academic writing skills (group B) Annette Klussmann-Kolb SR IV	D3 Communication + conflict solving skills (group B) Rob Thompson SR I D4 Academic writing skills (group B) Annette Klussmann-Kolb SR IV	D3 Communication + conflict solving skills (group B) Rob Thompson SR I D4 Academic writing skills (group B) Annette Klussmann-Kolb SR IV	D3 Communication + conflict solving skills (group B) Rob Thompson SR I D4 Academic writing skills (group B) Annette Klussmann-Kolb SR IV
	17:30 – 18:00	**Coffee break**			
Evening sessions	18:00 – 20:00	Scientific colloquium and welcome reception Dieter Lüst Max-Planck-Institute for Physics and Ludwig-Maximilians-Universität, Munich Quantum Aspects of Black Holes SR I-III	Industry talk and reception Sven Klussmann NOXXON Pharma AG, Berlin The evolution of a PhD thesis into a Biotech company – or how to get from bench to bedside SR I-III	Poster session CFEL foyer BBQ 19:00 CFEL foyer	

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PIER Helmholtz Graduate School
A Graduate Education Program of Universität Hamburg in Cooperation with DESY