

FREE-ELECTRON LASER SCIENCE PETER PAUL EWALD FELLOWSHIPS AT LCLS IN STANFORD

The recent launch of X-ray free electron lasers creates unprecedented research opportunities. Aiming at an early progress of this field, the Volkswagen Foundation awards **PETER PAUL EWALD FELLOWSHIPS** for projects carried out at Stanford, USA, in affiliation with a freely chosen home institute in Germany.

The Peter Paul Ewald Fellowships aim at highly qualified early phase post-doctoral researchers who want to pursue novel research ideas at LCLS or the future European XFEL and who strive for a longer research stay in Stanford or in the vicinity. Experiments as well as new concepts in theory and data analysis will be considered.

The grants are made for three years. They cover a research stay at Stanford lasting between one and two years and research work in Germany during the remainder of the time.

www.volkswagenstiftung.de/ewald-fellowships

PETER PAUL EWALD-FELLOWS



DR. MARTIN BEYE, Fellow since 2011
Real time observation of chemical reactions on surfaces

Helmholtz-Zentrum Berlin für Materialien und Energie & Stanford Synchrotron Radiation Lightsource



DR. JESSE CLARK, Fellow since 2013
A coherent look at phonons using ultrafast bragg coherent diffraction imaging

Center for Free-Electron Laser Science, DESY Hamburg & Stanford PULSE Institute



PROF. DR. MATTHIAS FUCHS, Fellow 2011-12
XFEL Research: ultrafast dynamics in solids and pulse characterization

now: University of Nebraska-Lincoln
formerly: Universität Hamburg & Stanford PULSE Institute



TAIS GORKHOVER, Fellow since 2013
Exploring new imaging techniques for nanoparticles in gas phase based on holography with single ultra intense X-ray FEL flashes

Technische Universität Berlin & Linac Coherent Light Source, SLAC Stanford



DR. MARKUS ILCHEN, Fellow since 2013
Molecular control for time- and symmetry-resolving Auger electron spectroscopy

European XFEL, Hamburg & Linac Coherent Light Source, SLAC Stanford



DR. KATHARINA KUBICEK, Fellow since 2012
Real-time observation of the ultra-fast excited-state structural dynamics of new copper(I)-complexes

Deutsches Elektronen-Synchrotron DESY, Hamburg & Stanford PULSE Institute



DR. ANDREAS SCHROPP, Fellow since 2011
Focusing X-ray free-electron laser beams for imaging and creating extreme conditions in matter
Technische Universität Dresden & Linac
Coherent Light Source, SLAC Stanford



DR. FENGLIN WANG, Fellow since 2013
3D imaging of small molecules using X-ray free-electron lasers
Center for Free-Electron Laser Science, DESY
Hamburg & Stanford PULSE Institute



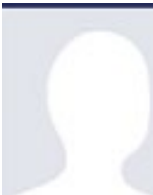
DR. ULF ZASTRAU, Fellow since 2011
Exploring extreme states of matter by time-resolved X-ray spectroscopy
Universität Jena & Lawrence Livermore
National Laboratory & Stanford Institute for
Energy and Materials Sciences



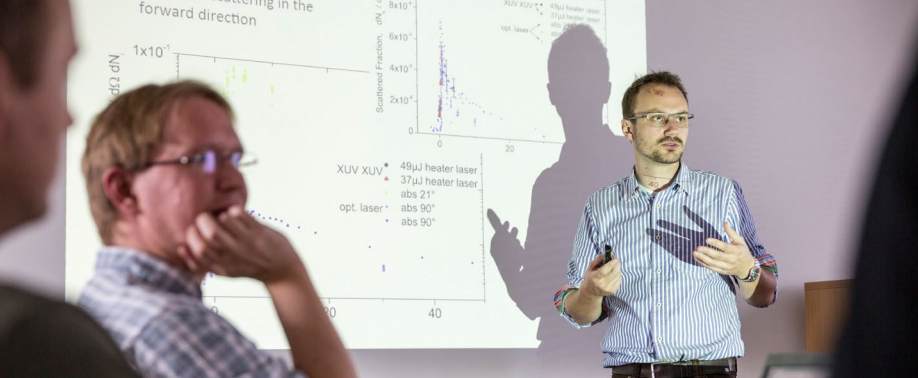
CHRISTIAN RÖDEL, Fellow since 2014
Exploring Relativistic Laser Plasmas with Free-Electron-Lasers
Universität Jena & SLAC National Accelerator Laboratory, SIMES Institute



ZHENG LI, Fellow since 2014
Large-scale ab initio simulation of electronic and molecular dynamics of XFEL-matter interaction for novel X-ray spectroscopies - based on massively parallel computing on GPU
Deutsches Elektronen-Synchrotron DESY & Stanford University, Department of Chemistry



YOU?



APPLY NOW!

LAST DEADLINE: January 30, 2015

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