



The IOP–Humboldt Postdoctoral Fellowship in Physics

Nominations are open for postdoctoral fellowships between two cities, Berlin and Beijing, as part of a joint physics program between the Integrative Research Institute for the Sciences (IRIS Adlershof) of Humboldt-Universität zu Berlin (HU Berlin) and the Institute of Physics, Chinese Academy of Sciences, (IOP) Beijing.

FELLOWSHIP PROGRAM

The prestigious two-year research fellowships are intended for exceptional early-career scientists, in preparation for an independent career in research at the frontier of condensed matter physics, quantum materials or device physics. Successful candidates will spend one year in Berlin and one in Beijing at the research groups of their choice, supported by up to 4,500 EUR/month.

The selected fellows will be appointed from August 2022 onwards. A first networking event is programmed in Berlin. Fellows will work at the Campus Adlershof of HU Berlin and the IOP Zhongguancun Beijing Campus. The fellows have the possibility to visit and interact with associated Partners at the Max Born Institute, the Helmholtz-Zentrum Berlin and its Electron Storage Ring BESSY II, the Freie Universität Berlin, at the Leibniz-Institut für Kristallzüchtung or the Fritz-Haber Institute of the Max Planck Society.

The initial call includes the following topics and participating groups:

Condensed Matter Theory

Prof. [Claudia Draxl](#), Prof. [Sheng Meng](#), Prof. [Hongming Weng](#), Prof. [Chen Fang](#), Prof. [Xinguo Ren](#), Prof. [Jiangping Hu](#), Prof. [Zhong Fang](#), Prof. [Tao Xiang](#), Prof. [Matthias Scheffler](#), Prof. [Caterina Cocchi](#)

Ultrafast Laser Spectroscopy

Prof. [Zhiyi Wei](#), Prof. [Jianing Chen](#)

Photoemission Spectroscopy and Surface Science

Prof. [Norbert Koch](#), Prof. [Tian Qian](#), Prof. [Xingjiang Zhou](#), Prof. [Jiandong Guo](#)

Optoelectronic Devices and Quantum Transport

Prof. [Emil List-Kratochvil](#), Prof. [Thomas Schröder](#), Prof. [Guangyu Zhang](#), Prof. [Yongqing Li](#)

Scanning Probe Microscopy

Prof. [Jürgen P. Rabe](#), Prof. [Carlos-Andres Palma](#), Prof. [Kui Jin](#), Prof. [Shuheng Pan](#), Prof. [Hong-Jun Gao](#)

Quantum Information

Prof. [Tim Schröder](#), Prof. [Oliver Benson](#), Prof. [Li Lu](#)

Electron Microscopy

Prof. [Christoph Koch](#), Prof. [Xuedong Bai](#)

A full list of participating IOP groups can be found at the [IOP](#) website.

ELIGIBILITY CRITERIA

Commitment to a one-year research stay at IOP followed by a further year at IRIS Adlershof, HU Berlin. Special cases committing to one-year at IRIS Adlershof followed by a further year at IOP will be considered.

A PhD degree in physics, chemistry, mathematics, or materials, obtained no more than five years prior to the application deadline.

Previous international experience, such as conference talks, research stays abroad and so on.

HOW TO APPLY

Applicants should send their CV and one publication (in PDF format), along with a cover letter and two reference letters to: fellowships@physik.hu-berlin.de. Only candidates specifying two or more preferred host research groups in Berlin and Beijing will be considered.

2022 Program closing date: June 30th, 2022.

Next call: November 2022

DECISION

The decision announcements for the 2022 program will be sent from July 2022 onwards. Decisions will be made by a joint committee from IOP and HU Berlin.

The HU Berlin and IOP specifically encourage qualified female scholars to apply.

... see also [naturecareers](#)