

Marie Skłodowska-Curie Post-doc Positions in Germany

“Expression of Interest” for hosting Fellows

1. Valid for the following MSCA-IF Calls¹:

X 2017	X 2019
X 2018	X 2020

2. Interested host institution:

Leibniz Institute of Photonic Technology, Jena, Germany

Photonics, the key light-based technology of the 21st century, is at the center of the Leibniz Institute of Photonic Technology's (IPHT) research activities. In line with its motto "Photonics for Life", the scientists at IPHT are investigating photonic and biophotonic processes and systems to address issues in the fields of medicine and the life and environmental sciences.

From Ideas to Instruments

The insights gained from research are converted into application-oriented procedures, instrumental concepts, and laboratory samples at IPHT. With this orientation, the institute contributes to the solution of pressing issues in our society, such as in health, energy, and the environment.

Twenty-five Years of Experience

The institute was founded in 1992 and has been performing top, world-renowned research ever since. On January 1, 2014, IPHT became a member of the Leibniz Association, jointly supported by the Free State of Thuringia and the federal government. IPHT earns more than half of its annual budget through the successful acquisition of third-party funds, including the European Union, the German Research Foundation (DFG), the federal government, and the Free State of Thuringia.

Due to its close connection to research and teaching, as well as its integration into effective networks, the institute has strong partners from science and industry at the regional, national, and international level.

IPHT employs 330 people.

Name of EU liaison officer (EU-Referent/in), if applicable: Mrs. Gabriele Hamm, gabriele.hamm@leibniz-ipht.de

3. Institute/Department:

[Dept. Spectroscopy/ Imaging](#)
[Dept. Fiber Optics](#)
[Dept. Microscopy](#)
[Dept. Nanobiophotonics](#)
[Dept. Nanoscopy](#)
[Dept. Functional Interfaces](#)

¹ MSCA Individual Fellowships are selected on the basis of annual calls for proposals. Forthcoming and open calls for proposals can be found on the [Participant Portal](#) of the European Commission under "Funding Opportunities" and "Calls/H2020".

[Dept. Quantum Detection](#)

Website (Hyperlink): www.leibniz-ipht.de

4. Contact person (name and e-mail address):

Mrs. Gabriele Hamm, gabriele.hamm@leibniz-ipht.de

5. Project idea/position (scientific requirements, topic, discipline):

Get funded for a world class research/training/transfer of knowledge experience at Leibniz Institute of Photonic Technology in Jena/ Germany.

We are looking for researchers in the following areas:

- Optical communications
- Non-linear optical signal processing
- Fiber lasers including ultra-long and random fiber lasers
- Semiconductor laser applications
- Femto-second pulse laser material processing
- Bio-medical photonic technology and applications
- Nano-materials for photonics
- and others.

Leibniz-IPHT is open for research and development in the areas of fiber optics, photonic detection, and biophotonics. Biophotonics serves as the link to all research activities at the institute. Together with the two research areas fiber optics and photonic detection, new photonic processes are being developed and transferred into innovative application-oriented systems.

Leibniz-IPHT provides the know-how and an outstanding technological basis in the areas of system technology, fiber technology, photonic detection, and micro/nanotechnology. Together with outstanding technical equipment and infrastructure, IPHT offers a state-of-the-art, closed technology chain. In addition to the constant expansion of IPHT's technological potential, the research aims at reaching new levels in photonic and biophotonic solutions with regard to resolution, sensitivity, specificity, speed, and automation.

X Life Sciences

X Natural Sciences

X Engineering Sciences

6. Deadline² for considering interests by post-doctoral applicants:

2 weeks before annual MSCA deadline

The current deadline for applications is 14th September 2017.

² Please consider that the preparation of a Marie Skłodowska-Curie proposal requires some time. Fellow and supervisor have to agree on a project and training opportunities for the fellow.