



MAX-PLANCK-INSTITUT FÜR BIOPHYSIKALISCHE CHEMIE

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The Max Planck Research Group for Biological Micro- and Nanotechnology of the MPI for Biophysical Chemistry (Göttingen) is looking to fill one position in collaboration with the Research Center caesar (Bonn):

Microelectromechanical Systems Process Engineer (m/f)

Job description: Your core responsibility is the fabrication of micro-/nanoelectromechanical systems (MEMS, MST) at the cleanroom facility of the Research Center caesar in Bonn, Germany.

Successful applicants are expected to implement complex, multiple-mask processes in silicon and glass using photolithography, wet and dry etching, wafer bonding and vacuum deposition. Tasks also include the independent development of new process flows and design rules to optimize yield in a research environment. Candidates are expected to have at least two years of practical experience in microfabrication technology and should be eager to contribute with their expertise to the success of team projects. Some participation in basic equipment maintenance will also be expected.

Frequent communication with the team at the MPI Göttingen via telephone, email, and monthly visits of 1 – 2 days will be an essential part of the position.

Being a member of our young interdisciplinary team will engage you in challenging projects at the cutting edge of bioMEMS development. We provide a high level of independence and encourage the publication of your work through scientific papers, patents, and conference contributions. Working with leading scientists at the MPI for Biophysical Chemistry and at caesar with full access to a world-class cleanroom facility will be a stepping stone for your career.

The position is available immediately and initially limited to two years.

The Max Planck Society is trying to increase the percentage of women on its scientific staff and strongly encourages applications from qualified women. The Society is also committed to employing more handicapped individuals and especially encourages them to apply.

Degree requirements:

Masters, Diplom, or PhD in micro-fabrication (MEMS) technology or a related discipline.

Minimum experience:

- **>2 years cleanroom experience**
- **Photolithography**
- **DRIE + other etching processes**
- **Wafer bonding (fusion, anodic)**
- **Oxidation and/or LPCVD**
- **Characterization techniques**

Location:

Bonn, Germany
(Research Center caesar)
<http://www.caesar.de>

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