



We are inviting applications for a postdoc position at the University of Stuttgart.

The successful candidate will work on the development of integrated silicon circuits and their use in quantum information processing.

The position will be funded by the BMBF project SiSiQ – Silicon photonics in secure quantum networks (<https://www.fmq.uni-stuttgart.de/barz-group/research/project-SiSiQ/>).

We are looking for excellent postdocs with:

- interest in collaborative and interdisciplinary research
- background in integrated photonics and experience in designing and testing photonic circuits
- general programming skills (Matlab, Mathematica, Python,...)
- Ideally: experience in quantum information processing
- PhD in physics, engineering, or related

Duties and responsibilities:

- Perform independent and original research
- Publish to refereed journals
- Co-supervise PhD and MSc students
- Contribute to project meetings and workshops

Further information:

- This position is full time, fixed term for 12 months with the possibility of extension
- The position is available from 1st April 2021 or as close as possible by negotiation
- For more information, please contact Prof. Dr. Stefanie Barz: barz@fmq.uni-stuttgart.de, www.barzgroup.de

Postdoc position:

Silicon photonics for
quantum information
processing

www.barzgroup.de

