



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

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/>).

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

We are looking for excellent and highly motivated postdocs :

- with interest in teamwork and interdisciplinary research
- with experience in experimental (quantum) optics and quantum information processing
- background in (integrated) photonics
- Programming skills (Matlab, Mathematica, Python,...)
- PhD in physics, engineering, or related

Duties and responsibilities:

- Perform independent and original research
- submit publications to refereed journals
- assist with the administration of the Research Group
- Co-supervise to the PhD students
- Contribute to project meetings and workshops

Further information:

- This position is full time, fixed term for 12 months with the possibility of extension subject to funding.
- The position is available from 1st April 2020 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

