Research position in quantum system identification and near-term quantum computing

We are seeking an extremely well-qualified and motivated researcher at the postdoctoral level to work on notions of quantum system identification and near-term quantum computing. Possible topics include:
- randomized benchmarking,
- quantum state and process tomography,
- Hamiltonian learning,
- noise estimation,
- shadow estimation,
- computational complexity,
- quantum-assisted machine learning,
- expressive power of quantum circuits, or
- applications of near-term quantum computers.

The successful candidate will work as part of the research group led by Jens Eisert at the FU Berlin. For an overview of our research activities, see:
http://www.physik.fu-berlin.de/en/einrichtungen/ag/ag-eisert/research

We are a highly active research group with a culture of open discussion, creative interdisciplinary thought and substantial international collaborations. We also have a strong track record in supporting academic careers, see:
http://www.physik.fu-berlin.de/en/einrichtungen/ag/ag-eisert/people/past

The position is funded by the German BMBF initiative on quantum software, but is closely connected to the European Quantum Flagship and the Excellence Cluster MATH+. There is a distinct industry component via close collaborations with IQM on the subject matter.

All applications should be sent in electronic form to both:
jense@physik.fu-berlin.de and
applicationsqmio@gmail.com
with the key word "Quantum2021" in the subject line. The starting date can be any time in 2021, preferably during the first semester. There is NO application deadline. However, applications will soon be reviewed, so interested candidates are strongly encouraged to apply as soon as possible.