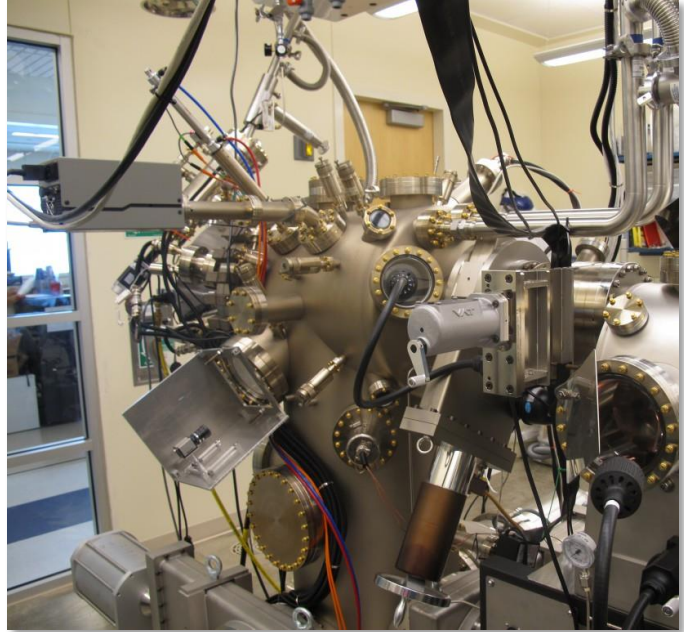


# Postdoctoral Fellowship at the Quantum Science Center

## Postdoctoral Fellowship Available

### Description:

The Manfra Group at Purdue University seeks a post-doctoral fellow to work on molecular beam epitaxy (MBE) growth and mesoscopic device fabrication of novel AlGaAs/GaAs heterostructures for integration into hybrid GaAs/graphene devices designed to probe non-Abelian anyons in the fractional quantum Hall regime. This project will involve close collaboration with the group of Prof. Andrea Young at the University of California Santa Barbara and is a part of the newly funded Quantum Science Center (QSC), a multi-organizational research collaboration led by Oak Ridge National Laboratory focused on developing quantum technologies. See <https://qscience.org/> for more information



about the center. The person joining this effort will have access to state-of-the-art experimental facilities at the Birck Nanotechnology Center (<https://www.purdue.edu/discoverypark/birck/>) at Purdue University and the opportunity to contribute to an innovative project at the forefront of study of topological phases of low-dimensional electron systems.

### Qualifications:

The ideal candidate will have previous experience in MBE growth and processing of III-V semiconductors. Some experience in low temperature electron transport measurements in semiconductor devices is also desirable. More information about ongoing work in the Quantum Semiconductor Systems Group/Microsoft Quantum Purdue can be found at <http://manfracgroup.org/>.

Interested applicants should contact Prof. Michael Manfra at [mmanfra@purdue.edu](mailto:mmanfra@purdue.edu).