

Postdoctoral Researcher Mentoring Plan

The proposed research will be performed at the Institute for Quantum Science and Engineering, Texas A&M University and will involve a participation of a postdoctoral researcher whose mentoring will consist of the following list of activities:

- Training in the mentoring of graduate students
- Training in preparation of grant proposals, publications in peer-reviewed scientific journals, and presentations at major scientific meetings.
- Career counseling will be provided and will include effective strategies to develop collaborations, prepare applications and write career proposals. The existing collaborations with Princeton University, Max-Planck Institute of Quantum Optics and Heidelberg University in Germany, as well as the Vienna University of Technology in Austria are recent examples.
- Guidance on ways to improve teaching and mentoring skills. There are many existing opportunities in Texas A&M University to mentor undergraduate and graduate students, take part in teaching activities and interact with faculty members.
- Guidance in public service and global outreach. Our annual Physics Festival provides an opportunity of reaching out to general public and making exciting science demonstrations.