

## **Postdoctoral Fellow Molecular Fluorescence Microscopy, Agilent Laboratories, Santa Clara, CA**

As the world's premier measurement company, Agilent offers the broadest range of innovative measurement solutions in the industry. The company's three businesses – Chemical Analysis, Life Sciences and Electronic Measurement – provide customers with products and services that make a real difference in the lives of people everywhere. The purpose of Agilent Research Laboratories is to power the growth of Agilent Technologies through breakthrough science and technology. The fundamental strengths of Agilent Labs include deep technical expertise, a strong base of technical disciplines, a core competence in transferring technologies to Agilent businesses, and employees who enjoy the richness of a broad, world-class science and engineering environment.

You will conduct innovative research in the field of fluorescence imaging as part of a multidisciplinary team developing novel molecular measurement technologies. As the world's premier measurement company, Agilent offers the broadest range of innovative measurement solutions in the industry. The company's three businesses – Chemical Analysis, Life Sciences and Electronic Measurement – provide customers with products and services that make a real difference in the lives of people everywhere. The purpose of Agilent Research Laboratories is to power the growth of Agilent Technologies through breakthrough science and technology. The fundamental strengths of Agilent Labs include deep technical expertise, a strong base of technical disciplines, a core competence in transferring technologies to Agilent businesses, and employees who enjoy the richness of a broad, world-class science and engineering environment. Agilent Labs' Molecular Tools Laboratory is seeking a Postdoc (duration 1-2 years) to join an interdisciplinary team comprising chemists, molecular and cellular biologists, computer scientists, physicists, and engineers working to invent and develop novel molecular measurement and imaging methodologies. As part of this effort, the Postdoc will:

- Conduct research projects in the field of biological imaging as part of a multidisciplinary team developing novel molecular measurement technologies.
- Build upon a strong working knowledge of advanced fluorescence microscopy to innovate and investigate novel methods for biological imaging.
- Collaborate closely with molecular biology and computational research staff to design, plan and perform experiments, collect data, and conduct data analysis.
- Establish and participate in collaborative efforts with external thought-leaders in both academic and private sectors, when appropriate.
- Communicate progress and results to the research and development team, to external collaborators, to management, and, when appropriate, to the general scientific community via presentations at scientific conferences and peer reviewed publications.

### **Requirements:**

1. Recent Ph.D. (0 – 3 years) in Biochemistry, Biophysics, Applied Physics, Photonics or other relevant field (or equivalent).
2. Demonstrated success in leading edge contributions to advancing the state of the art of biological fluorescence microscopy as evidenced for example, by a thesis and/or peer-reviewed publications.
3. Experience with advanced fluorescence microscopy and associated software and data analysis tools, e.g. structured illumination, PALM, resonance energy transfer.

4. Demonstrated success in contributing to interdisciplinary teams.
5. Strong problem solving and quantitative data analysis expertise.
6. Excellent communication and teamwork skills.
7. Previous molecular biology laboratory experience.
8. Meticulous and detail-oriented record-keeping and experimental skills.

Desired:

1. Experience with mammalian tissue culture.
2. Experience with RET based measurements
3. Background in nucleic acid measurement

To Apply:

<http://jobboard.ascb.org/jobs/4141461>