

## **Bryon Foys**

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### **Summary:**

- 6.5 years experience as a Research Associate.
- Dedicated and detail oriented management of the daily operation and compliance of academic research laboratories.
- Skilled in cell culture, brightfield and confocal microscopy, FISH, gene cloning and transfer, PCR, developing and optimizing novel protocols, and DNA/RNA purification.
- Ability to quickly learn and master computer programs.
- Team leader experience managing diverse teams of technicians, including technical training and development.

### **Experience:**

Student 2011-2012

UC Santa Cruz Extension

- Certificate in Bioinformatics.

Research Technician 2009-2010

Michael Levine Lab, UC Berkeley, Berkeley, CA.

- Created and patented a unique RNAi-mediated gene disruption vector along with Postdoctoral Investigator. Patent now owned by Genentech.
- Published results *Proc Natl Acad Sci USA*, June 22, 2010 Vol.107.

Electrical/Mechanical Technician 2000-2009

NUMMI/ Toyota Motor Corporation Fremont, CA.

- Team leader, maintenance staff technical trainer and safety coordinator.
- Excellent leadership and communication skills.
- Programing, repair and maintenance of robots and automated production equipment.

Research Technician 1997-2000

Stratagene Cloning Systems, La Jolla, CA .

- Assisted in the development and testing of commercial biotechnology products used in basic research focusing on cDNA libraries and novel viral cloning vectors.

Research Technician 1995-1997  
Gene Expression Laboratory, The Salk Institute for Biological Studies  
La Jolla CA.

- Developed the initial zebra fish animal facility at the Salk Institute incorporating the zebra fish as a model organism.
- Published research in *Nature*, March 27, 1997 Vol. 386.
- Lab Manager and research technician working directly with the Principal Investigator.

## **Publications:**

- *Proc Natl Acad Sci USA*, June 22, 2010 Vol. 107, 11435-11440. Haley B, Foy B, Levine M. "Vectors and parameters that enhance the efficacy of RNAi-mediated gene disruption in transgenic *Drosophila*."
- *Nature*, March 27, 1997 Vol. 386. Concepcion Rodriguez- Esteban et al. "*Radical fringe* positions the apical ectodermal ridge at the dorsoventral boundary of the vertebrate limb."

## **Educational History:**

- Biotechnology Certificate, University of California at Santa Cruz Extension, Santa Clara, CA. In progress.
- Bioinformatics Certificate, University of California at Santa Cruz Extension, Santa Clara, CA. 2012.
- B.S., Molecular Biology, University of California at San Diego, La Jolla, CA. 1995.