

## **Byron N. Roberts, Ph.D.**

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**Position Applying for:** Intellectual Property Officer (Analyst VIII), UC Davis InnovationAccess.

### **Skills Summary:**

- Knowledge of patent and licensing law and practices.
- Experience with evaluating, marketing, and securing patent protection for UC Davis intellectual property.
- Strong oral and written communication skills. Examples include research papers in prestigious scientific journals, a guest blog post at *Scientific American*, and two successful research fellowship proposals.
- Effective organizational and interpersonal skills, experience with teaching and delivering presentations.
- Ability to rapidly digest technical information and translate for consumption by multiple audiences.
- Experience as a UC Davis scientist, collaborator with industry research partners, mentor, and student.

### **Academic Education & Honors:**

**Ph.D.** (August 2011) **Cornell University, New York, NY 10021** Major: *Computational Biology and Medicine*. Dissertation title: “*Myocardial Ischemia-Reperfusion Injury: Development of a New Mathematical Model and Application to Investigations of Arrhythmogenesis and Therapeutic Alternatives.*” (22 semester hours, GPA 4.15)

**N/A** (Spring 2004) **Sacramento City College, Sacramento, CA 95822** Courses in *Computer Science*. (7 semester hours, GPA 4.00)

**B.S.** (June 2003) **University of California, Davis, CA 95616** Major: *Genetics*. (84 quarter hours, GPA 3.90). Graduated with *Highest Honors*, Received *Departmental Citation in Genetics*.

**A.S. and A.A.** (August 2001) **Santa Rosa Junior College, Santa Rosa, CA 95401** Major: *N/A*. (167 semester hours, GPA 3.24). *Graduated with Honors*.

### **Experience and Employment History:**

#### **(July 2013—September 2013) Technology Transfer Intern**

University of California, Davis, InnovationAccess. Davis, CA 95618. Unpaid. 12 hours/week.

Supervisors: Rajagopal Gururajan, Ph.D. (530-754-7637 rgururajan@ucdavis.edu) and Nancy Rashid, Ph.D. (530-754-8621 nerashid@ucdavis.edu). *May be contacted*.

- Evaluated intellectual property in a variety of fields, including biological and agricultural sciences, chemistry, engineering, and nanotechnology.
- Reviewed disclosures and wrote technical summaries of new inventions that were subsequently used by intellectual property officers to evaluate patentability and licensing potential.
- Performed patentability assessments of new inventions that impacted decisions regarding whether to pursue patent protection.
- Wrote non-confidential descriptions of technologies available for licensing that were published in support of marketing efforts.

- Briefed intellectual property officers on new invention disclosures and attended meetings with inventors.
- Evaluated technologies for market potential, assembled lists of possible licensees. Proposed uses and markets for technologies in addition to those provided by inventors.
- Participated in tutorials with intellectual property officers on patent case management and strategy, marketing, and license agreements.

**(October 2011—Present) Postdoctoral Fellow**

University of California, Davis, Dept. of Pharmacology. Davis, CA 95616. \$44,340/year. 60 hours/week. Supervisor: Colleen Clancy, Ph.D. 530-754-0254. ceclancy@ucdavis.edu. *May be contacted.*

- Led research relating to prediction of antiarrhythmic drug effects in ischemic heart disease.
- Developed new mathematical models of cardiac tissue and drug-target interactions that reflect changes observed during myocardial ischemia.
- Published reviews in high-profile scientific journals.
- Successfully wrote proposals for two prestigious postdoctoral fellowships. Total award: \$120,464.
- Presented at international scientific meetings and departmental seminars.
- Presented research results to industry collaborators.
- Mentored graduate and high school students.

**(June 2003—June2005) Staff Research Assistant**

University of California, Davis, Dept. of Surgical and Radiological Sciences. Davis, CA 95616. \$34,583/year. 50 hours/week.

Supervisor: Peter Dickinson, BVSc., Ph.D. 530-752-3599. pjddickinson@ucdavis.edu. *May be contacted.*

- Responsible for all laboratory day-to-day operations, including maintenance of equipment and supplies, management of animal colonies and cell cultures, small animal imaging and anesthesia.
- Collaborated on experimental design and drafting of research article manuscripts.
- Gave oral presentations and research progress reports to industry collaborators.

**Job-Related Training:**

- Preparation for Patent Bar Exam (in progress).
- National Council of Entrepreneurial Tech Transfer webinar course: “Research Commercialization Introductory Course” (November—December 2013).
- Audited courses at UC Davis School of Law: Chinese IP Law (Fall 2012) and Intellectual Property (Spring 2013).
- AUTM webinars: “Anatomy of a License Agreement,” “Drafting the License Agreement: Let the Financial Terms Be Your Guide,” and “Current Trends in Research Reagent Marketing and Licensing.”

**Professional Affiliations:**

- Association of University Technology Managers (AUTM) (member, 2013—present).