

RYAN A. OPEL

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OBJECTIVE

To achieve a research position that values previous experience in pharmacological studies and lab familiarity, and allows room for growth in a ground-breaking research department.

EDUCATION

University of California, Santa Barbara

September 2011-June 2015

- Bachelor of Science with a double major in Pharmacology and Biopsychology.
 - 3.10 GPA.
 - Extensive laboratory experience.
 - Science classes including pharmacology, microbiology, biochemistry, eukaryotic and prokaryotic genetics, organic chemistry and human physiology.
 - Psychology classes including neuropharmacology, psychopharmacology, visual neuroscience, sensory perception (auditory and visual), and biological basis of psychology.
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RELEVANT EXPERIENCE

Research Assistant, UCSB Vision & Image Understanding Lab June 2013-Present

- Alpha tested newly programmed experiments for graduate students to later use on undergraduate subjects.
- Ran participants in studies and fixed bugs in MATLAB codes.
- Optimized EyeTracker cameras and software for individual subjects.
- Analyzed data collected from studies and conveyed conclusions to graduate researchers and supervising professor.
- Obtained unique data outside of lab and later incorporated findings into experiments.
- Trained new assistants in above activities.

Researcher, UCSB Pharmacology Lab

September 2014-March 2015

- Produced weekly, professional quality 15 - 50 page lab reports.
 - Performed a myriad of drug-response assays on various types of tissue, both *in vivo* and *in vitro*, to generate dose-response curves and analyze drug efficacy.
 - Completed numerous cell-based assays and gained exposure to useful methods.
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SKILLS AND LAB TECHNIQUES

- ELISA, Gel Electrophoresis, rt-PCR, qPCR, Flow Cytometry, Column Chromatography, HPLC, Immunoblot, Cell Culture, Mammalian Animal Handling, Aseptic Technique, DNA Footprinting, Fluorescence Microscopy, Mass Spectrometry, IR, UV/Vis Spectrophotometry, Luminometry, NMR, and Staining Techniques, including Gram, Acid-fast, DAPI, and EtBr.
 - Extensive use of Microsoft Excel, including database creation, maintenance, and application. Can use pivot tables, create charts, and cross-sheet lookup functions.
 - Proficient in Microsoft Office and Adobe Photoshop. Familiar with Adobe Illustrator, Adobe InDesign, PowerPoint, LaTeX, SigmaPlot, Logger Pro, PyMol and ImageJ.
 - Proficient with OS X, Linux, and Windows.
 - Familiar with HTML, MATLAB, R, C++, Java, and Python.
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REFERENCES

Kathryn Koehler

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Cell: (480) 586-5999
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Abigail Pierce

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