

Adam Barno

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Education

San Diego State University

Attended: August 2016 - present

M.Sc Candidate: Cell and Molecular Biology

California Polytechnic State University, San Luis Obispo

Attended: September 2010 - June 2014

Degree Awarded: August 2014

B.Sc. Degree: Biological Sciences

Concentration: Anatomy and Physiology

Dean's List: Winter 2011, Spring 2012, Winter 2014, Spring 2014

Experience

Rohwer-Wegley Laboratory, San Diego, CA

Graduate Researcher, San Diego State University

2016 – present

PI: Forest Rohwer, Ph.D., Linda Wegley-Kelly, Ph.D.

MarDx Diagnostics, San Diego, CA

Research Associate, R+D Department

2015 – 2016

- Developed point-of-care assay targeting antibodies for HIV 1/2/0 from feasibility through verification.
- Worked in a team to create a *H. pylori* Antigen ELISA product from feasibility to launch
 - Poster: "Evaluation of the New Automatable Captia™ *H.pylori* Antigen ELISA with Gold Standard Confirmed Samples" XXIX International Meeting of the European Helicobacter and Microbiota Study Group, 9/2016

Santa Cruz Biotechnology, Paso Robles, CA

Research Assistant, Polyclonal Antibody Purification

2014 – 2015

- Purified polyclonal antibodies from goat sera samples through the use of affinity chromatography
- Analyzed effectiveness of antibodies using ELISA

Neuroplasticity Laboratory, San Luis Obispo, CA

Undergraduate Researcher, Cal Poly San Luis Obispo

2013 – 2014

PI: Christy Strand, Ph.D.

- Worked with graduate students on neuroplasticity projects using immunohistochemistry for markers of neurogenesis
- Analyzed brain region volumes of lizards and rattlesnakes to elucidate functions of the reptilian neurocircuitry

Poster Presentations

"The Effect of Lesioning the Olfactory Bulbs on Nucleus Sphericus Volumes in Free-Ranging Southern Pacific Rattlesnakes (*Crotalus oreganus helleri*)"

- Cal Poly College of Science and Math Annual Student Research Conference, 5/2014

Volunteering

Central Coast Aquarium, Avila Beach, CA

2013 - 2014

Aquarist Aided in animal enrichment programs with local marine life including East Pacific Red Octopus, Swellshark, and Moon Jellyfish

Charles Paddock Zoo, Atascadero, CA

2013

Helped the zoo receive AZA accreditation by maintaining and improving animal habitats