

Pavel Dimens



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United States Citizen

EDUCATION

- B.S., Aquatic and Fisheries Science Dec, 2010 SUNY College of Environmental Science and Forestry. Syracuse, NY
- M.Sc. Fisheries and Mariculture June 2016 (expected) Texas A&M Corpus Christi. Corpus Christi, TX

EMPLOYMENT

Texas A&M University Corpus Christi – Department of Life Sciences, Corpus Christi, TX

Research Assistant

September 2014 – Present

- Master's thesis: Reassessing population genetics of the Blacknose shark (*Carcharhinus acronotus*) in a potential zone of admixture using next generation sequencing
- Tissue digestion, DNA isolation, amplification
- Proposed summer sample collection via inshore longline
- Teaching Assistant: Biology II, Anatomy & Physiology II

Dauphin Island Sea Lab, Dauphin Island, AL

Intern

May 2014 - August 2014

- Managing project examining phosphate spikes in sediment near oil refinery and phosphate plant
- Purchases and requisitions, logistics, data entry
- Sediment core acquisition, 1cm core sectioning via sterile lab methods
- Pore water nutrient analysis, sediment grain size analysis stable isotope analysis, Pb-210 dating

Eurasia Foundation Social Expertise Exchange, Baikalsky Zapovednik, Siberia, Russia

Fellow

April 2014- May 2014 + ongoing

- Touring Yellowstone NP, Baikalsky, and Barguzinsky Zapovedniks in the Buryatia Republic, Russia
- Speaking with managers, scientists, interpreters, technicians in these systems
- Synthesizing a document spotlighting both systems between the two countries, detailed accounts and reports, and graphic design for informational document
- Collaboration with World Wildlife Fund Russia
- Attend working group conferences to foster relationships with Russian peers and exchange best-practice ideas

Dauphin Island Sea Lab, Dauphin Island, AL

Intern

September 2012 - June 2013 + October 2013 Extension

- Oyster settlement plate analysis, oyster growth index and life history, stable isotope preparation
- Analysis of fish stomach contents and species identification
- Bottom and vertical long lining, gillnet, seine, and hook and line
- Tagging and measurements of fish, dissection, otolith removal
- Field data recording and entry, and equipment design, maintenance, and calibration
- Video capture and editing, data mining, graphic design for publications and proposals
- Public outreach
- Unidirectional radio tracking and behavioral observation
- Dolphin necropsy work

United States Department of Agriculture– Animal and Plant Health Inspection Services: Wildlife Services, Queens, NY

Seasonal Wildlife Technician GS-05

June 2011 - October 2011

- Monitor and prevent wildlife from causing airplane collisions and incursions at JFK Intl. Airport
- Airfield monitoring, proper avian wildlife identification, species harassment, population control
- Avian and small mammal trapping
- Diamondback terrapin relocation
- Lethal (firearms) and nonlethal wildlife management

National Science Foundation Undergraduate Mentoring in Environmental Biology. Syracuse, NY.

Independent Researcher

May 2008 - August 2009

- Developed research project to observe significance of top-down control between a pristine and previously stocked lake
- Proposal development, a research paper, presentation of a poster, and outreach component
- Use of *in situ* mesocosms between two lakes
- Analyzed zooplankton size, phytoplankton density, and water nutrient concentration

Presentations

- ♦ Dimens, P.V., Portnoy, D.S. (2015, July). Poster *Structural Ambiguity: Population Demography of the Blacknose shark at known genetic barriers*. To be presented at the Joint Meeting of Ichthyologists and Herpetologists. Reno, NV.
- ♦ Dimens, P.V., Portnoy, D.S. (2015, March). Poster *Shaken or stirred? What's happening with the gene flow of the Blacknose shark in the Florida Keys*. Graduate Student Symposium 2015, Dauphin Island, AL.
- ♦ Dimens, P.V., Portnoy, D.S. (2014, December). Oral Presentation. *What's happening with the gene flow of the Blacknose shark in the Florida Keys*. Marine Science Graduate Student Organization Research Forum, Texas A&M Corpus Christi.
- ♦ Hall J.G., Dimens P.V., Darrow E.S., Carmichael R.H., Heib E., Kressman, K. (2014, December). Poster *Sedimentary records of recurrent phosphate spills to a Gulf of Mexico coastal estuary*. Bays and Bayous 2014. Mobile, AL.
- ♦ Dimens, P.V., Drymon J.M., and Powers, S. (2013, November). Poster. *Using a landing cradle to fill the data gap left by really big fish*. Gulf and Caribbean Fisheries Institute, Corpus Christi, TX.
- ♦ Dimens, P.V., and K.M. Schulz (2010, March). Poster. *The significance of top-down control between a stocked and unstocked lake in the Adirondacks*. SUNY College of Environmental Sciences and Forestry. Syracuse, NY.