

Paul Laurent Excoffier

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EDUCATION

College of the Atlantic, Bar Harbor, Maine (2010–2015)
B.A. in Human Ecology, Spring 2015 GPA: 3.57

Salesian High School, Richmond, California (2006-2010)
Graduated 3rd in class of 155. GPA: 4.0

AWARDS and HONORS

Joan K. Hunt and Rachel M. Hunt Summer Scholarship in Field Botany (2014)
Maine Space Grant Consortium Fellowship (2014)
College of the Atlantic Presidential Scholarship (2010-2014)
Academic Excellence Awards for Anatomy (2010), AP Biology (2008)
Mechanics Bank Achievement Award in the fields of Science and Mathematics (2010)

MANUSCRIPTS

Excoffier, P., I. D. Medeiros, F. C. Olday, and N. Rajakaruna. Bryophytes of Acadia National Park (Maine, USA) vernal pools. *In preparation*.

RESEARCH EXPERIENCE

***Monolopia congdonii* Seed Longevity Study** with Ryan O'Dell, Bureau of Land Management (2016-)

- Visiting California herbaria to identify herbarium specimens of *M. congdonii* and congeners with mature seeds to test for viability.

Lichen Survey of Pine Hill State Ecological Reserve (CA) with Ian Medeiros, College of the Atlantic (2016-)

- Floristic survey of lichens of gabbro outcrops in the Pine Hill Preserve.

Ecology Field Crew Botanist: US Forest Service, UC Davis (2016)

- Surveying post-fire forest monitoring plots in Eldorado and Sequoia National Forests
- Surveying red fir forest health-monitoring plots in Eldorado, Stanislaus, and Tahoe National Forests.

Ecology Field Crew Leader: US Forest Service, UC Davis (2015)

- Surveying forest monitoring plots pre- and post-fire in Sagehen Experimental Forest and Eldorado National Forest.
- Surveying ungrazed meadows in Lassen, Yosemite, and Sequoia National Parks to establish reference conditions for meadows on Forest Service lands.

Senior Research Project—Bryophytes of Acadia National Park Vernal Pools:

College of the Atlantic (2014-15)

- Independent research project on patterns of bryophyte species presence/absence and diversity within and among 6 vernal pools in ANP.

Field Assistantship in Acadia National Park: *Boston University (2014)*

- Biweekly monitoring leaf-out and flowering phenology of three shrub species transplanted into common gardens across an elevational gradient.
- Monitoring leaf-out and flowering phenology of plants *in-situ* along three elevational transects.

Field Assistantship in Eldorado National Forest: *US Forest Service, UC Davis John Muir Institute of the Environment (2013)*

- Installing Forest Service Common Stand Exams throughout the area burned by a 2004 wildfire.

Short course in Molecular Evolutionary Genetics: *College of the Atlantic, Mount Desert Island Biological Laboratory (2012)*

- Group project using DNA-barcoding to verify the labeling of supermarket seafood.
- Group project using microsatellite analysis to study the population genetics of the estuarine fish *Fundulus heteroclitus* in coastal Maine.

REU at Jornada Basin LTER: *USDA Agricultural Research Service, New Mexico State University (2012)*

- Research assistant implementing an experiment to determine the role of cross-scale interactions in shrub encroachment and grassland remediation in the Chihuahuan Desert.
- Independent project on the impact of human settlement on populations and distributions of birds at the Jornada Experimental Range Headquarters.

Short course in Ecological Developmental Biology: *College of the Atlantic, Mount Desert Island Biological Laboratory (2011)*

- Group project using qPCR to examine the effects of hypoxia on the expression of a gene associated with the development of secondary asymmetry in the embryos of the sea urchin, *Strongylocentrotus purpuratus*.

WORK EXPERIENCE

Teaching Assistant: *Calculus I & II (Fall 2012, Winter 2013) Introduction to Dynamical Systems and Chaos (Winter 2014, online course through Santa Fe Institute) Biology II (Spring 2014) Landforms and Vegetation (Fall 2014)*

- Assisting students with coursework
- Grading homework assignments

Museum Employee: *Dorr Museum of Natural History, (2010-2012)*

- Greeting visitors and answering their questions about Natural History
- Giving tours of the tide pool touch tank to visitors and groups of children from local elementary schools

Intern: *Bay Bioanalytical Laboratory (2009)*

- Assisting researchers doing high-performance liquid chromatography for biomedical and pharmaceutical clients
- Developing an experimental apparatus to perform hollow fiber field-flow fractionation

SKILLS

- Plant identification (vascular, bryophyte, lichen)
- Programming for mathematical applications (Python)
- Statistics
- GIS