

Richard Allman Levy

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EDUCATION

University of Colorado, Boulder

M.S. Museum and Field Studies

2014

- Emphasis on field research and collections management

University of Colorado, Boulder

B.A. Ecology and Evolutionary Biology

2010

- Emphasis on plant ecology and climate change biology
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PUBLICATIONS

Levy, R.A. and Nufio, C.R. 2014. Dispersal potential impacts size clines of grasshoppers across an elevation gradient. *Oikos*. [10.1111/oik.01615](https://doi.org/10.1111/oik.01615)

EXPERIENCE

Denver Botanic Gardens

April 2014- Present

Database Associate, Research and Conservation

- Manage all departmental database systems
- Oversee all department digital initiatives
- Digital Asset Management
- Create protocols and workflows for department projects
- Oversee design and implementation of custom built relational database for all department research
- Establishment of new insect collection

University of Colorado Museum of Natural History

2011-2014

Principal Investigator, *Dispersal potential impacts size clines of grasshoppers across an elevation gradient*

- Developed methods and framework to address research question
- Extensive field work, population sampling
- Conducted statistical analyses
- Led and mentored data collection team
- Met deadlines and led project to completion on schedule
- Presented and defended findings to peers
- Prepared manuscript for publication

University of Colorado Museum of Natural History

2011- 2014

Research Assistant, Zoology, Invertebrate Zoology, Invertebrate Paleontology

- Data entry and quality assurance
- Specimen collection inventories and audits
- Development of new procedures and protocols
- Improvement of existing policies
- Specimen curation and preparation
- Data entry, georeferencing

University of Colorado Museum of Natural History

April-Sept 2010

Field Research Assistant, Grasshoppers and Climate Change

- Supported by NSF grant #0718112
- Assisted curator collect, prepare, catalogue, and database insect specimens
- Traveled out of state with research team to sample insect populations
- Worked with web designer to construct college level web based ecology lab exercise (http://ghopclimate.colorado.edu/lab_intro.html)

EXPERIENCE, continued

- University of Colorado Museum of Natural History **May-November 2009**
- Research Intern, *Phenological patterns of sub-Alpine forbes***
- Established long term flowering phenology study of sub -alpine plant community
 - Designed research methodology, identified species with use of herbarium collection
 - Surveyed plant community, estimated species richness and sampling efficacy
 - Created a plant voucher collection and field guide for future surveyors
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WORKSHOPS, CONFERENCES, & TALKS GIVEN

- Society for Preservation of Natural History Collections** **June 2017**
- Talk: An economical method for creating custom QR code labels
- iDigBio: Biodiversity Informatics 101 Workshop** **June 2017**
- Invited Speaker: Field to Database Methods
- Global Genome Biodiversity Network: Regional North American Workshop** **April 2017**
- iDigBio: Field to Database-Biodiversity Informatics and Data Management Skills for Specimen Based Research** **March 2015**
- iDigBio: Data Sharing Data Standards and Demystifying the IPT Workshop** **January 2015**
- Denver Botanic Gardens: Meet our Scientists** **September 2014**
- Talk: Climate Change on the Front Range: How a large collection of grasshoppers led us to ask so many questions
- Entomological Society of America** **November 2013**
- Talk: Dispersal potential impacts size clines of grasshoppers across an elevation gradient
 - Second place winner: Presidents prize for graduate student presentation
- Introduction to Proposal Writing for Non-Profit Organizations** **October 2012**
- VertNet: Biodiversity Informatics Training Workshop** **June 2012**
- Georeferencing and GIS basics, specimen based research, ecological niche modeling basics
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INTERNSHIP & VOLUNTEER EXPERIENCE

- Summer Intern, Aspen Center for Environmental Studies** **2013**
- Designed and delivered interactive tours focused on local ecology
- Museum Docent, University of Colorado Museum of Natural History** **2011-2013**
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SKILLS

- Biodiversity Informatics for Museums
- Quick to learn new software applications
- Excellent written and oral communication
- Ecological field work methods
- Strong organization, planning, and attention to detail
- Data standards, management, and best practices