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

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

Hufft, R.A., DePrenger-Levin, M.E., **Levy, R.A.**, Islam M.B. 2018. Using herbarium specimens to select indicator species for climate change monitoring. Biodiversity Conservation. 10.1007/s10531-018-1505-2

Levy, R.A., Paces, M., Hufft, R.A. 2020. Sampling event dataset for ecological monitoring of riparian restoration effort in Colorado foothills. Biodiversity Data Journal.

EXPERIENCE

Denver Botanic Gardens **2014- Present**
Database Associate, Research and Conservation
- Manage all departmental database systems
- Oversee all department digital initiatives
- Digital Asset Management
- Coordinate and develop protocols for department projects and data collection
- Oversee design and implementation of database and website for all department research
- Establishment and coordination of insect collection

University of Colorado, Boulder **2018**
Instructor, *MUSM 6110: Museum Informatics*
- Develop curriculum for new course covering museum digital curation
- Teach students how to build and use MySQL database
- Emphasis on hands on experience using digital tools

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 Collections

Aspen Center for Environmental Studies **2013**
Summer Naturalist

University of Colorado Museum of Natural History **2010**
Field Research Assistant, *Grasshoppers and Climate Change*

University of Colorado Museum of Natural History **2009**
Research Intern, *Phenological patterns of sub-Alpine forbes*

PRESENTATIONS

Introduction to the Global Genome Initiative-Gardens **2018**
APGA Collections Symposium; Vancouver, British Columbia

A Case Study for Connecting Collections and Ecological Research **2018**
SPNHC+TDWG; Dunedin, New Zealand

A Workflow for Adding Specimen Metadata to Images Captured in the Field **2018**
SPNHC+TDWG; Dunedin, New Zealand

Empowering Citizen Scientists to Collect Research Grade Data and Specimens on Fungi Forays **2018**
Telluride Mushroom Festival; Telluride, Colorado

An economical method for creating custom QR code labels. **2017**
SPNHC; Denver, Colorado

An overview of field to database methods and practices **2017**
iDigBio Biodiversity Informatics 101 Workshop; Denver, Colorado

Climate Change on the Front Range **2014**
Denver Botanic Gardens Meet Our Scientists Series; Denver, Colorado

Differential life history traits of long and short winged grasshoppers across an elevation gradient **2013**
Entomological Society of America; Austin, Texas

WORKSHOPS and TRAININGS ATTENDED

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**

Introduction to Proposal Writing for Non-Profit Organizations **October 2012**

VertNet: Biodiversity Informatics Training Workshop **June 2012**

SKILLS

- Museum Biodiversity Informatics
- Excellent written and oral communication
- Ecological field work methods
- Strong organization, planning, and attention to detail
- Data standards, management, and best practices
- SQL, MySQL, MariaDB, XML, RDF, OWL, Python, HTML, CSS, JavaScript