

## DANIELA VERGARA, PhD

Scientist•Researcher•Data Analyst•Educator•Consultant

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### WORK EXPERIENCE

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#### University of Colorado Boulder

RESEARCH ASSOCIATE

*Boulder, CO*

*March 2018-Present*

- Led analysis of genomic and phenotypic data, including statistical analysis, and writing for scientific publications\*.
- Planned, designed, and taught Hemp and *Cannabis* courses for undergraduate and graduate students.
- Research and teacher mentor for multiple graduate and undergraduate students. Taught biology courses.
- Led and wrote grant applications. Gave presentations at meetings and conferences.

#### Front Range Biosciences

SCIENTIFIC ADVISOR

*Boulder, CO*

*August 2019-April 2021*

- Planned and wrote grants for NSF and local state opportunities.
- Planned and wrote white papers for a general public.
- Communicated across technical and non-technical teams.

#### Steep Hill Inc.

SCIENTIFIC ADVISOR

*Boulder, CO*

*March 2018-August 2019*

- Analyzed the chemotype data collected by the company.
- Planned and designed genetic and genomic services for *Cannabis* breeders and growers.

#### University of Colorado Boulder

POSTDOCTORAL RESEARCHER

*Boulder, CO*

*Sept. 2013-March 2018*

- Led analysis of genomic and phenotypic data, including statistical analysis and writing for scientific publications\*.
- Gave presentations at meetings and conferences.
- Research and teacher mentor for multiple graduate and undergraduate students.

#### Universidad de Antioquia

RESEARCH ASSISTANT

*Medellín Colombia*

*August 2005-July 2007*

- Collected and identified insect vectors of Leishmaniasis disease.
- Led and wrote scientific publications\*.

### TECHNICAL AND MOLECULAR SKILLS

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#### Programming Languages:

R, Python.

#### Tools:

Burrows-Wheeler Aligner, SAMtools, VCFtools, SplitsTree, OG draw, Structure, MEGA, JELLYFISH, BLAST, Windows XP/Linux/Mac OS X, Adobe Acrobat/Illustrator

#### Molecular Skills:

DNA extraction, PCR, Microsatellites, Flow cytometry

#### Writing Skills:

Technical writing, grant writing, white papers

#### Education Skills:

Course development, evaluation and teaching, public outreach, public speaker

#### Languages:

Spanish, English

#### Legal Skills:

Expert Witness in cases in the US and South America

Excellent communication (oral and writing) and organizational skills, exceptional attention to detail, outstanding presentation skills, and a proven track record of both independent and teamwork.

### EDUCATION

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#### Indiana University Bloomington

Ph.D. Ecology, Evolution, Behavior - Minor: Genetics

*Bloomington, IN*

*August 2013*

#### Universidad de los Andes

Bachelor of Science, Microbiologist

*Bogotá Colombia*

*March 2006*

### OTHER PROJECTS

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**Founder:** *Cannabis* Genomics Research Initiative ([www.cannabisgenomics.org](http://www.cannabisgenomics.org)). Group that aims to understand the Hemp and *Cannabis* Genome.

**President and Founder:** Agricultural Genomics Foundation ([www.agriculturalgenomics.org](http://www.agriculturalgenomics.org)). 501(C) Non-profit organization that educates about Hemp and *Cannabis* science to a broad public.

\*Scientific publications upon request