

DANIELA VERGARA, Ph.D.

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EDUCATION

2007-2013	Ph.D. Major: Ecology, Evolution, Behavior - Minor: Genetics Indiana University Bloomington Advisor: Curtis M. Lively
2000 -2006	Microbiologist Universidad de los Andes Bogotá, Colombia

WORK EXPERIENCE

Present	Postdoctoral Research Associate University of Colorado Boulder
2012-2013	Assistant Instructor Indiana University
2011 – 2012	Research Assistant Indiana University
2007 – 2010	Assistant Instructor Indiana University
2006 – 2007	Associate Investigator <i>Lutzomyia</i> specie determination, Field study in endemic Leishmaniosis area. Social work with the community. Maintenance of <i>Lutzomyia</i> stocks Programa de Estudio y Control de Enfermedades Tropicales - PECET Universidad de Antioquia, Medellín Colombia
2005 Second Semester	Intern Taxonomic and molecular identification of <i>Anopheles</i> mosquitoes Maintenance of <i>Aedes</i> and <i>Anopheles</i> stock Taxonomic identification of trematode parasites from the snail <i>Melanoides tuberculata</i> from Medellín's botanical garden Programa de Estudio y Control de Enfermedades Tropicales PECET Universidad de Antioquia, Medellín Colombia
2005 First Semester	Research assistant at CIMPAT Laboratory, Universidad de los Andes, Bogotá, Colombia. Data base construction with Triatomine distribution in Colombia Maintenance of <i>Rhodnius prolixus</i> stocks Universidad de los Andes Bogotá, Colombia
2003 Summer	HTLV – I virus diagnosis by molecular means Molecular and pathogenesis laboratory Universidad del Valle, Cali Colombia.

TEACHING EXPERIENCE

Summer Semester 2013	Assistant Instructor Biology of Birds (L-376) Indiana University, Bloomington, USA
Spring Semester 2013	Assistant Instructor Biology of Birds (L-376) Indiana University, Bloomington, USA
Fall Semester 2010	Assistant Instructor Honors Evolution (S-318) Indiana University, Bloomington, USA
Spring Semester 2010	Assistant Instructor Biology of Birds (L-376) Indiana University, Bloomington, USA

Fall Semester 2009	Assistant Instructor Fungi Lab (B-352) Indiana University, Bloomington, USA
Fall Semester 2008	Assistant Instructor Biology Lab (L-113) Indiana University, Bloomington, USA
Spring Semester 2008	Assistant Instructor Biology Lab (L-113) Indiana University, Bloomington, USA
Fall Semester 2007	Assistant Instructor Evolution and Diversity (L-111) Indiana University, Bloomington, USA
2005 First Semester	Teacher's assistant in Cellular Biology Universidad de los Andes Bogotá, Colombia
2002 Second Semester	Teacher's assistant in Cellular and Organism Biology Lab Universidad de los Andes Bogotá, Colombia

GRANTS AND SCHOLARSHIPS

- 2009 Senior Research Grant Indiana Academy of Science
- 2010 Louise Constable Hoover Fellowship, Indiana University
- 2010 Committee for Research and Exploration Grant, The National Geographic Society
- 2011 Doctoral Dissertation Improvement Grant, National Science Foundation
- 2013 Louse Constable Hoover Fellowship, Indiana University

PUBLICATIONS

- Vergara D**, Mitman K.S, Fuentes J.A, Lively C. Morphometric description of the Freshwater snail *Potamopyrgus antipodarum*. In preparation
- Vergara D**, Jokela J, Lively C. Infection dynamics in coexisting sexual and asexual populations support the Red Queen Hypothesis. *The American Naturalist* 184:S1
- Soper D.M, King K.C, **Vergara D**, Lively C. Exposure to parasites increases promiscuity in a freshwater snail. *Biology Letters* 10:4
- Vergara D**, King K.C, Lively C, Jokela J. 2013. The fine-scale geographic mosaic of sex and infection in New Zealand lakes. *The American Naturalist* 182:4
- Acosta L.A, Mondragon-Shem K, **Vergara D**, Velez-Mira A, Cadena H, Carrillo L.M. 2013 Ampliación de la distribución de *Lutzomyia longipalpis* en Colombia. Aumento del riesgo de la leishmaniosis visceral. (Distribution expansion of *Lutzomyia longipalpis* in Colombia. Increase in risk of visceral leishmaniosis.) *Biomédica* 33:2, 319-325
- Koskella B, **Vergara D**, Lively C. 2011. Experimental evolution of sexual host populations in response to sterilizing parasites. *Evolutionary Ecology Research*, 13:315-322.
- Vergara D**, Velasquez L.E. 2009 Larvas de Digenea en *Melanoides tuberculata* (Gastropoda: Thiariidae) en Medellín, Colombia. (Larval Stages of Digenea From *Melanoides tuberculata* (Gastropoda: Thiariidae) in Medellín, Colombia) *Acta Biologica Colombiana*. 14:1, 135-142.
- Vergara D**, Bejarano E.E, Velez I.D. 2008. Anomalías Morfológicas en Diferentes Estructuras de Cinco Especies de *Lutzomyia* (Diptera: Psychodidae). (Morphological Annomalies in Different Structures of Five *Lutzomyia* Species (Diptera: Psychodidae)) *Revista de la Sociedad Entomológica Argentina (RSEA)*, 67:3-4, 87-92.
- Vergara D**, Bejarano E.E., Carrillo L.M., Velez I.D. 2008. Primer Informe de *Lutzomyia yuilli* (Young & Porter 1972) y *Lutzomyia triramula* (Fairchild & Hertig 1952) (Diptera: Psychodidae) en el Departamento de Caldas, Colombia. (First Report of *Lutzomyia yuilli* (Young & Porter 1972) and *Lutzomyia triramula* (Fairchild & Hertig 1952) (Diptera: Psychodidae) in the Department Caldas, Colombia). *Biota Neotropica*, 8:3,251-253

- Vergara D**, Bejarano E.E., Carrillo L.M., Sierra D., Velez I.D. 2008. Primer Registro de *Lutzomyia scorzai* y *Lutzomyia reburra* (Diptera: Psychodidae) en Antioquia, Colombia. (First Report of *Lutzomyia scorzai* and *Lutzomyia reburra* (Diptera: Psychodidae) in Antioquia, Colombia). *Revista Colombiana de Entomología*, 34:1,102-104
- Guhl F, Aguilera G, Pinto N, **Vergara D**. 2007. Actualizacion de la Distribucion Geografica y Ecoepidemiologia de la Fauna de Triatominos (Reduviidae: Triatominae) en Colombia. (Geographic Distribution and Ecoepidemiological Actualization of the Triatomine (Reduviidae: Triatominae) Fauna in Colombia). *Biomédica*, 1, 143-162

OTHER GENOMIC RESOURCES

Complete *Cannabis sativa* Carmagnola chloroplast. Submitted

SCIENTIFIC CONFERENCES AND PUBLIC TALKS

- 2009 Presenter: IGERT Symposium: Evolution, Development and Genomics, Indiana University, Bloomington.
- 2010 Presenter: Evolution Meeting. Portland, Oregon.
- 2011 Presenter: School Colegio Bolivar. Cali, Colombia
- 2011 Presenter: Evolution Meeting. Norman, Oklahoma
- 2012 Presenter: Ecology and Evolution of Infectious Diseases. Ann Arbor, Michigan
- 2012 Presenter: Evolution Meeting. Ottawa, Canada
- 2012 Presenter: Brown Bag Seminar. Indiana University, Bloomington
- 2012 Guest Speaker: Statistical Consulting (S690). Indiana University, Bloomington
- 2013 Guest Speaker: EAWAG- Aquatic Research Institute. Zurich, Switzerland
- 2013 Presenter: Evolution Meeting. Snowbird, Utah.
- 2014 Guest Speaker: Developing a Marketing Strategy for MBA students. University of Colorado, Anschutz medical Campus
- 2014 Guest Speaker: Cannabis Grand Cru. Aspen, Colorado.
- 2014 Guest Speaker: Cannabis Industry Meetup. Boulder, Colorado

MENTORSHIP AND VOLUNTEER WORK

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| 2009-2010 | Research Mentor
Mentored two undergraduate students on PCR and microsatellite analysis |
| 2012 | Research Mentor
Mentored an undergraduate student on Flow Cytometry and Geometric Morphometrics analysis. |
| 2012 | Volunteer
<i>Middle Way House- Domestic Violence & Rape Crisis Shelter</i> |
| 2013 | Volunteer
Ethnic Diversity Panel
Communication in the classroom (G203) |
| 2013 | Research Mentor
Mentored two undergraduate students in the Lively laboratory on Flow Cytometry |
| 2013-2014 | Volunteer
<i>Denver Museum of Nature and Science</i>
Assistance with the entomology collections and with outreach |
| Present | Research Mentor |

Mentoring two undergraduate students in PCR amplification technique.
Mentoring an undergraduate student on Geometric Morphometrics analysis.
Mentoring three undergraduate students in scientific writing.

SOCIETIES

- Society for the Study of Evolution (SSE)
- American Association of University Women (AAUW)
- Asociacion Colombiana de Parasitologia y Medicina Tropical (Colombian Association of Parasitology and Tropical Medicine)
- Colombian Network for Evolutionary Biology (Red Colombiana de Biologia Evolutiva-COLEVOL)