

ANDRÉ CHRISTOPHER VELÁSQUEZ
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EDUCATION

- 1996 – 2001 **Bachelor in Science - Biology.** Universidad Nacional Agraria La Molina. Perú.
- 2006 **Professional title of Biologist.** Thesis: “Genetic characterization of the resistance to potato leafroll virus (PLRV) in a *Solanum tuberosum* ssp. *andigena* cultivar assisted by molecular markers”. Universidad Nacional Agraria La Molina. Perú.
- 2006 - 2012 **Doctor of Philosophy.** Thesis: “PAMP-triggered immunity components and LysM-receptor-like kinases”. Department of Plant Pathology and Plant-Microbe Biology. Cornell University.

WORK EXPERIENCE

- 2005 - 2006 **Research assistant.** International Potato Center (CIP). Lima, Perú.
- 2007 **Teaching assistant.** PLPA 301. Plant diseases and disease management. Cornell University.
- 2012 **Post-doctoral research associate.** Laboratory of Dr. Sheng Yang He. Michigan State University.

HONORS AND AWARDS

- 2001 **First place. Faculty of Science.** Class 2001-II. Universidad Nacional Agraria La Molina. Lima, Perú.
- 2002 - 2005 **Scholarship.** International Potato Center (CIP). Lima, Perú.
- 2006 - 2007 **Life Sciences Presidential Fellowship.** Cornell University.
- 2009 **Best student poster award.** Boyce Thompson Institute (BTI) Annual summer retreat. Ithaca, New York.
- 2012 **Barbara McClintock Award.** Cornell University.

CONFERENCES

- 2000 **I International Biology Congress and XIII National Biology Congress.** Lima, Perú.
- 2001 **IV Peruvian Genetics Congress.** Lima, Perú.
- 2009 **XIV International Congress on Molecular Plant-Microbe Interactions.** Quebec City, Canada.
- 2010 **8th International Conference on *Pseudomonas syringae* and related pathogens.** Oxford, United Kingdom.
- 2012 **2012 BARD Microbial virulence determinants & plant immunity workshop.** Tel Aviv, Israel.

POSTER PRESENTATIONS

- 2009 **Identification of *Nicotiana benthamiana* genes involved in PAMP- triggered immunity (PTI) using a large-scale Virus-induced gene silencing (VIGS) screen and a cell death-based assay.** XIV International Congress on Molecular Plant-Microbe Interactions. Quebec City, Canada.
- 2010 **LysM receptor-like kinase Bti9 promotes immunity in tomato and its kinase activity is inhibited by *Pseudomonas syringae* effector AvrPtoB.** 8th International Conference on *Pseudomonas syringae* and related pathogens. Oxford, United Kingdom.

ORAL PRESENTATIONS

- 2012 **A tomato LysM-receptor-like kinase promotes immunity and its kinase activity is inhibited by AvrPtoB.** 2012 BARD Microbial virulence determinants & plant immunity workshop. Tel Aviv, Israel.

PUBLICATIONS

Velasquez AC, Mihovilovich E, Bonierbale M. 2007. Genetic characterization and mapping of major gene resistance to potato leafroll virus in *Solanum tuberosum* ssp. *andigena*. *Theoretical and Applied Genetics* 114: 1051.

Velasquez AC, Chakravarthy S, Martin GB. 2009. Virus-induced gene silencing (VIGS) in *Nicotiana benthamiana* and tomato. *Journal of Visualized Experiments* 28:1292.

Kvitko BH, Park DH, **Velasquez AC**, Wei CF, Russell AB, Martin GB, Schneider DJ, Collmer A. 2009. Deletions in the repertoire of *Pseudomonas syringae* pv. *tomato* DC3000 type III secretion effector genes reveal functional overlap among effectors. *PLoS Pathogens* 5:e1000388.

Chakravarthy S, **Velasquez AC**, Martin GB. 2009. Assay for pathogen-associated molecular pattern (PAMP)-triggered immunity (PTI) in plants. *Journal of Visualized Experiments* 31:442.

Chakravarthy S, **Velasquez AC***, Ekengren SK, Collmer A, Martin GB. 2010. Identification of *Nicotiana benthamiana* genes involved in pathogen-associated molecular pattern-triggered immunity. *Molecular Plant-Microbe Interactions* 23:715. ***Co-first author**

Nguyen HP, Chakravarthy S, **Velasquez AC**, McLane HL, Zeng L, Nakayashiki H, Park D-H, Collmer A, Martin GB. 2010. Methods to study PAMP-triggered immunity using tomato and *Nicotiana benthamiana*. *Molecular Plant-Microbe Interactions* 23:991.

Zeng L, **Velasquez AC**, Munkvold KR, Zhang J, Martin GB. 2012. A tomato LysM receptor-like kinase promotes immunity and its kinase activity is inhibited by AvrPtoB. *The Plant Journal* 69:92.

Velasquez AC, Martin GB. 2012. Molecular mechanisms involved in the interaction between tomato and *Pseudomonas syringae* pv. *tomato*. In: Molecular Plant Immunity. John Wiley & Sons, Inc. *In press*.