

May 2007 107th General ASM Meeting, Toronto, Canada.

June 2005 XLV APS Annual Meeting - Caribbean Division, San José, Costa Rica.

PUBLICATIONS

- **Toruño, T. Y.**, Shen, M., Coaker, G., Mackey, D. Invited to write a review on the function of RIN4. Molecular Plant-Microbe Interactions Focus Issue: Activation, regulation, and evolution of MTI and ETI. Molecular Plant-Microbe Interactions. January 2019.
- Zhang, M., Chiang, Y., **Toruño, T. Y.**, Lee, D., Liang, X., Ma, M., Lal, N. K., Lemos, M., Lu, Y., Ma, S., Liu, Day, B., J., Dinesh-Kumar, S. P., Dehesh, K., Dou, D., Zhou, J., Coaker, G. The SIK1 kinase ensures a robust extracellular ROS burst and anti-bacterial immunity by regulating BIK1 stability and RBOHD activation. Cell Host & Microbe. Accepted.
- Henry, E., **Toruño, T. Y.**, Jauneau, A., Deslandes, L., Coaker, G. 2017. Direct visualization of bacterial effector delivery during plant infection. The Plant Cell. 29(7):1555-1570.
- **Toruño, T. Y.**, Stergiopoulos, I., and Coaker, G. 2016. Plant pathogen effectors: cellular probes interfering with plant defenses in a spatial and temporal manner. Annual Review of Phytopathology. 54:419.
- **Toruño, T. Y.**, Singer, A., Guo, M., Savchenko, A., and Alfano, J. R. The *Pseudomonas syringae* HopA1 effector is differentially recognized by plants and resembles phosphothreonine lyases from animal pathogens. In preparation.
- Block, A.¹, **Toruño, T. Y.**¹, Elowsky, C. G., Zhang, C., Steinbrenner, J., Beynon, J., Alfano, J. R. 2013. The *Pseudomonas syringae* type III effector HopD1 suppresses effector-triggered immunity, localizes to the endoplasmic reticulum, and targets the Arabidopsis transcription factor NTL9. New Phytologist 201: 1358-1370. ¹ Authors contributed equally.
- **Toruño, T. Y.**, Seruga, M., Simi, S., Nicolaisen, M., Hogenhout, S. A. 2010. Phytoplasma PMU1 exists as linear chromosome and circular extrachromosomal elements and has enhanced expression in insect vectors compared with plant hosts. Molecular Microbiology 77: 1406-1415.
- Bai, X., Correa, V. R., **Toruño, T. Y.**, Ammar, E., Kamoun, S. and Hogenhout, S. A. 2009. AY-WB phytoplasma secretes a protein that targets plant cell nuclei. MPMI 22: 18-30.

ORAL PRESENTATIONS

- **Toruño, T. Y.**, Lee, D., Shen, M., Mackey, D., and Coaker, G. Phosphorylated RIN4 interacts with a unique set of client proteins in the absence of NLR perception to disrupt protein trafficking. Keystone Symposia on Plant Signaling. Granlibakken, Tahoe. January 2018.
- **Toruño, T. Y.**, Singer, A., Guo, M., Savchenko, A., and Alfano, J. R. The *Pseudomonas syringae* HopA1 effector is differentially recognized by plants and resembles phosphothreonine lyases from animal pathogens. American Society for Microbiology, Missouri-Valley Branch Meeting, Lincoln, NE. March 2011.

SCHOLARSHIPS

- UC Davis Professors for the Future Fellow 2018-2019.
- UC Davis Postdoctoral Scholar Association Travel Grant to attend the Keystone Symposia on Plant Signaling in Granlibakken, Tahoe. January 2018.

- IS-MPMI Travel Award to attend the XV IS-MPMI Meeting in Kyoto, Japan. July 2012.
- David H. and Annie E. Larrick Student Travel Support Fund at University of Nebraska-Lincoln to attend the XIV IS-MPMI Meeting in Quebec City, Canada. July 2009.
- North Central APS Division Travel Award to attend the APS Centennial Meeting in Minneapolis, Minnesota. July 2008.
- Goss Memorial Scholarships at University of Nebraska-Lincoln. August 2008-2013.
- Milton E. Mohr Fellowship, Center for Biotechnology, University of Nebraska-Lincoln. Fall 2008-spring 2009, fall 2009-spring 2010, and fall 2010-spring 2011.
- Graduate Research Assistantship by the Department of Plant Pathology, University of Nebraska-Lincoln, to cover half of the costs of my graduate program.
- IS-MPMI Travel Award to attend the XIII IS-MPMI Meeting in Sorrento, Italy. July 2007.
- Nicaraguan government funds to cover 75% of undergraduate studies at Zamorano University. January 2002-December 2005.

PROFESSIONAL AFFILIATION

- International Society on Molecular Plant Microbe Interactions

MENTORING AND OUTREACH

- As part of the Professors for the Future Program I will organize a Women in STEM symposium at UC Davis during Fall 2018 or Spring 2019.
- As member of the UC Davis Plant Pathology Postdoctoral Group I organized the Plant Pathology Early Career Research Seminar Series during Spring 2018.
- During my postdoctoral program I mentored a high school student from Davis Senior High School during his 3-month biotechnology internship. I also supervised an UC Davis undergraduate student that generated and screened Arabidopsis transgenic lines expressing key immune regulators. In addition, I participated in a grant outreach workshop at Davis Senior High School where we taught students about DNA extraction, PCR and plant genotyping. I have been invited to give a lecture in the Introduction to Plant Pathology (PLP120) and the Molecular Biology of Plant-Microbe Interaction (PLP210) courses at UC Davis.
- During my Ph.D. program I mentored two high school students that visited the Alfano lab during summers of 2012 and 2014. I also participated in Women in Science Conferences and Plant Science Workshops for high school students, where we taught about PCR techniques and plant assays to assess plant-microbe interactions.

REFERENCES

Dr. Gitta Coaker
 Department of Plant Pathology
 University of California-Davis, USA
glcoaker@ucdavis.edu

Dr. Jim Alfano
 Center for Plant Science Innovation
 University of Nebraska-Lincoln, USA
jalfano2@unl.edu

Dr. Saskia Hogenhout
Department of Disease and Stress Biology
The John Innes Center, Norwich, UK
saskia.hogenhout@jic.ac.uk