

# CHRISTOPHER W. P. LYONS

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## EDUCATION

2010-Present: *Ph.D. Candidate*, Plant Pathology, Texas A&M University  
2006-2010: *Bachelor of Science*, Microbiology, Chemistry (minor), University of Pittsburgh  
2006-2010: *Bachelor of Arts*, History and Philosophy of Science, University of Pittsburgh

## PROFESSIONAL EXPERIENCE

2016-Present: *Scientific Advisor*, Intellectual Property and Technology Group, Dentons US LLC, Dallas, TX  
2010-2016: *Graduate Research Assistant*, Department of Plant Pathology and Microbiology, Texas A&M University, Dr. Karen-Beth G. Scholthof, advisor  
2008-2010: *Undergraduate Research Assistant*, Department of Biological Sciences, University of Pittsburgh, Dr. Kirill Kiselyov, advisor  
2007-2010: *Direct Support Professional*, The Verland Foundation, Inc.  
2007-2008: *Howard Hughes Medical Institute Undergraduate Research Assistant*, Pittsburgh Bacteriophage Institute, University of Pittsburgh, Dr. Graham Hatfull, advisor  
2006-2007: *Undergraduate Research Assistant*, Department of Family Medicine and Clinical Epidemiology, University of Pittsburgh Medical Center, Dr. Richard Zimmerman, advisor

## AWARDS AND HONORS

2016: Association of Former Students Scholarship, Texas A&M University  
2016: Sean M. Golden '01 and Heather Sustman Golden '99 Southerland Aggie Leader Scholarship, Texas A&M University  
2016: Charles John Koerth Sr. Memorial Scholarship, Texas A&M University  
2015-2016: Graduate Research Fellowship, Department of Plant Pathology and Microbiology, Texas A&M University  
2015: Chaka Family Southerland Aggie Leader Scholarship, Texas A&M University  
2015: Charles John Koerth Sr. Memorial Scholarship, Texas A&M University  
2015: President's Scholar Program Scholarship, Texas A&M University  
2014: Shirley Reynaud Duke Estate Academic Excellence Scholarship, Texas A&M University  
2014: Charles H. & Frances Fleming Academic Excellence Scholarship, Texas A&M University  
2014-2015: Office of Graduate and Professional Studies Fellowship, Texas A&M University  
2014: Life Sciences, Agriculture, and Environment Invited Manuscript Honorarium, Johns Hopkins University  
2013: Early Career Conference Travel Grant, History of Science Society, National Science Foundation-funded  
2012-2014: Graduate Teaching Fellowship, Department of Plant Pathology and Microbiology, Texas A&M University

2012-2013: Texas A&M Energy Institute ConocoPhillips Fellowship, Texas A&M University  
2010-2012: Graduate Research Fellowship, Dr. Karen-Beth G. Scholthof, Texas A&M University  
2010: Graduated *cum laude*, University of Pittsburgh  
2007-2008: Howard Hughes Medical Institute Undergraduate Research Fellowship

## TEACHING

### *Courses*

PLPA 303 - Introduction to Plant Pathology, Laboratory (1 cr.). *Graduate Teaching Assistant*, Fall 2012-Spring 2014

### *Lectures*

BESC 314 - Pathogens, the Environment, and Society. "The Scientific Method: How we 'do' Science." *Invited Lecturer*, September 2013, September 2012

BESC 314 Honors - Pathogens, the Environment, and Society. "Birds with no feet: A contemporary view of science in light of ever-changing social norms and research practices." *Invited Lecturer*, September 2013

## PUBLICATIONS

### *Book Chapters*

**Lyons CWP**, Scholthof K-BG. 2015. Brachypodium as an Arabidopsis for the grasses: Are we there yet? *In: Vogel J ed, Genetics and Genomics of Brachypodium. Plant Genetics and Genomics: Crops and Models. Springer International Publishing, Switzerland.*

**Lyons CWP**, Scholthof K-BG. 2015. Watching grass grow: The emergence of *Brachypodium distachyon* as a model for the *Poaceae*. *In: Kingsland S, Phillips D eds, New Perspectives on the History of Life Sciences and Agriculture. Archimedes: New Studies in the History and Philosophy of Science and Technology. Springer International Publishing, Switzerland.*

### *Articles*

**Lyons CWP**, Mandadi KK, Scholthof K-BG. 2016. Exploring the subnuclear localizations and interactions of the capsid proteins of the *Panicum mosaic virus* Complex in native and model grasses. *In preparation*

Kiselyov K, Colletti GA, Terwilliger A, Ketchum K, **Lyons CW**, Quinn J, Muallem S. 2011. TRPML: Transporters of metals in lysosomes essential for cell survival? *Cell Calcium* 50:288-94.

Kiselyov K, Yamaguchi S, **Lyons CW**, Muallem S. 2010. Aberrant Ca<sup>2+</sup> handling in lysosomal storage disorders. *Cell Calcium* 47:103-11.

Simanek BZ, Altman DS, **Lyons CW**, Edgar RH, Ko C, Swigonova ZU, Jacobs-Sera D, Hendrix RW, Hatfull GF. 2008. Mycobacterium phage *Adjutor*, complete genome. *NCBI Genome Project*. Accession Number: EU676000.

## ABSTRACTS AND PRESENTATIONS

### *Oral Presentations*

Scholthof K-BG, Mandadi KK, **Lyons CWP**, Pyle JD. 2014. Brachypodium as a model system for studying monocot virus-host interactions. Plant and Animal Genome XXII Conference, January 11-15, San Diego, CA.

- Lyons CWP**, Scholthof K-BG. 2013. Rooting a wild grass: *Brachypodium*, model organisms, and green energy. History of Science Society Annual Meeting, November 21-24, Boston, MA.
- Lyons CWP**, Mandadi KK, Scholthof K-BG. 2013. Subcellular localization of *Panicum mosaic virus* proteins reflects the altered host transcriptional profiles in *Brachypodium distachyon*. American Phytopathological Society-Mycological Society of America Joint Meeting, August 10-14, Austin, TX.
- Lyons CWP**, Scholthof K-BG. 2012. Modeling in the age of Arabidopsis: The emergence of *Brachypodium distachyon* as a model monocotyledonous grass for systems biology research. International Society for the History, Philosophy, and Social Studies of Biology Off-Year Workshop, August 16-17, Seattle, WA.
- Scholthof K-BG, **Lyons CWP**. 2012. Building a model system for plant pathobiology: *Brachypodium* is and isn't Arabidopsis. American Society of Plant Biologists Annual Meeting, July 20-24, Austin, TX.
- Poster Presentations**
- Lyons CWP**, Scholthof K-BG. 2012. The model monocot: *Brachypodium distachyon*. Texas A&M Energy Institute. Growing Texas: Water, Energy, Economic Development. Water and Energy in Texas: Solutions from Texas A&M Meeting, October 3-4, College Station, TX.
- Lyons CWP**, Scholthof K-BG. 2012. The model monocot? *Brachypodium distachyon*. American Society of Plant Biologists Annual Meeting, July 20-24, Austin, TX.
- Pyle JD, Mandadi KK, **Lyons CWP**, Scholthof K-BG. 2012. Host responses elicited by a satellite virus-associated synergism in multiple *Brachypodium distachyon* accessions. American Society of Plant Biologists Annual Meeting, July 20-24, Austin, TX.
- Pyle JD, Mandadi KK, **Lyons CWP**, Scholthof K-BG. 2012. A plant virus synergism in *Brachypodium distachyon*. Samuel Roberts Noble Foundation Plant Virology Retreat, May 4-6, Ardmore, OK.
- Pyle JD, Mandadi KK, **Lyons CWP**, Scholthof K-BG. 2012. A plant virus synergism in *Brachypodium distachyon*. Texas A&M University Student Research Week, March 20-23, College Station, TX.

## PROFESSIONAL, EDUCATIONAL, AND SOCIAL ACTIVITIES

### **Organizations**

- 2013-2015: Student Advocates for Graduate Education Coalition, *Delegate*
- 2012-Present: Society for Philosophy of Science in Practice, *Member*
- 2012-Present: History of Science Society, *Member*
- 2012-Present: Lone Star Historians of Science, *Member*
- 2011-Present: International Society for the History, Philosophy, and Social Studies of Biology, *Member*
- 2011-Present: American Phytopathological Society, *Member*
- 2011-Present: American Society of Plant Biologists, *Member*
- 2011-Present: Plant Pathology Graduate Student Club of Texas A&M University, *Faculty Liaison*, 2013-2014  
*President*, 2012-2013
- 2011-2015: Graduate and Professional Student Council of Texas A&M University, *Officer*

President, 2014-2015  
Legislative Affairs Committee Chair, 2013-2014  
Delegate, 2011-2015

*Committee, Task Force, and Working Group Member*

*University*

Vice President for Finance and Administration Financial Working Group, 2015  
Sexual and Dating Violence and Title IX Compliance Working Group, 2015  
Vice President for Student Affairs Search Advisory Committee, 2014-2015  
Student Health Insurance Advisory Committee, 2014-2015  
Faculty-Student Intellectual Property Task Force, 2014-2015  
Graduate Operations Committee, 2014-2015  
Energy Action Plan Advisory Committee, 2014-2015  
Council of Principal Investigators, 2014-2015  
Quality Enhancement Plan Advisory Committee, 2014-2015  
Memorial Student Center Board of Directors, 2014-2015  
Transportation Services Advisory Committee, 2014-2015  
Commencement and Convocation Advisory Working Group 2014-2015  
BUILD Board of Directors, 2014-2015  
Council for the Built Environment, 2014-2015  
Scholarship Committee, 2013-2014  
Graduate Appeal Panel, 2013-2014  
Student Rules and Regulations Committee, 2012-2014  
Disciplinary Appeals Panel, 2011-2014

*Council*

Advisor Search Committee, 2015  
Legislative Affairs Committee, 2013-2014  
Marketing and Communications Committee, 2012-2013  
Awards Committee, 2011-2012

2010-Present: American Society for Microbiology, *Member*  
2010-Present: American Association for the Advancement of Science, *Member*  
2010-Present: University of Pittsburgh Alumni Association, *Member*  
2010-Present: University of Pittsburgh Men's Glee Club Alumni Association, *Member*  
2007-2010: University of Pittsburgh History and Philosophy of Science Club, *Secretary*  
2006-2010: University of Pittsburgh Men's Glee Club, *Member and Events Coordinator*  
2006-2009: Tau Epsilon Phi National Fraternity, *Member*

***Volunteerism and Causes***

2014: Residence Hall Move-In Assistance Day, Texas A&M University, August 24, College Station, TX  
2012-2014: Big Event, Texas A&M University, March 24, 2012, March 23, 2013, March 29, 2014, College Station, TX  
2007-2009: Arrival Survival: Student Move-In Days, University of Pittsburgh, August 2007-2009, Pittsburgh, PA  
2006-2010: Adopt-a-Block, August 2006-May 2010, Pittsburgh, PA

**LANGUAGES**

English-native, American Sign Language-limited working proficiency

## PROFESSIONAL DEVELOPMENT

### *Meetings*

- 2014: History of Science Society Annual Meeting. *Attendee*, November 6-9, Chicago, IL
- 2013: History of Science Society Annual Meeting. *Oral Presentation*, November 21-24, Boston, MA
- 2013: American Phytopathological Society-Mycological Society of America Joint Meeting, *Oral Presentation and Section Co-Chair*: “Virus-Host Interactions,” August 10-14, Austin, TX
- 2012: Texas A&M Energy Institute. Growing Texas: Water, Energy, Economic Development. Water and Energy in Texas: Solutions from Texas A&M Meeting. *Poster Presentation*, October 3-4, College Station, TX
- 2012: American Society of Plant Biologists Annual Meeting. *Poster Presentation*, July 20-24, Austin, TX
- 2012: Samuel Roberts Noble Foundation Plant Virology Retreat. *Attendee*, May 4-6, Ardmore, OK
- 2012: Student Research Week. *Attendee*, March 20-23, Texas A&M University, College Station, TX

### *Workshops*

- 2013: iPlant Tools and Services. iPlant Collaborative. *Attendee*, September 23-24, Texas A&M University, College Station, TX
- 2012: International Society for the History, Philosophy, and Social Studies of Biology Off-Year Workshop. *Oral Presentation*, August 16-17, Seattle, WA

### *Advocacy*

- 2015: Orange & Maroon Legislative Day: Together for Texans. *Attendee*, February 4, Austin, TX
- 2014: Student Advocates for Graduate Education Coalition Annual Summit. *Principal Organizer*, October 23-26, College Station, TX
- 2014: Student Advocates for Graduate Education Coalition Annual Advocacy Days on the Hill. *Attendee*, April 5-10, Washington, D.C.
- 2013: Student Advocates for Graduate Education Coalition Annual Summit. *Session Leader*, October 31-November 3, Chapel Hill, NC

### *Certifications*

- 2015-Present: Humanities Responsible Conduct of Research. Collaborative Institutional Training Initiative, Texas A&M University
- 2012-2014: Laboratory Safety for Teaching Assistants. Environmental Health and Safety, Texas A&M University
- 2012-2014: Teaching Assistant. Center for Teaching Excellence, Texas A&M University
- 2012-Present: Financial Conflicts of Interest in Research. Texas A&M University
- 2011-Present: Laser Safety. Environmental Health and Safety, Texas A&M University
- 2011-Present: General Radiation Safety. Environmental Health and Safety, Texas A&M University
- 2010-Present: Pesticide Safety. Environmental Health and Safety, Texas A&M University
- 2010-Present: Introduction to Laboratory Safety. Environmental Health and Safety, Texas A&M University
- 2010-Present: Orientation to the A&M System. Texas A&M University

2010-Present: Reporting Fraud, Waste, and Abuse. Texas A&M University  
2010-Present: Creating a Discrimination-Free Workplace. Texas A&M University  
2010-Present: Ethics. Texas A&M University  
2010-Present: Information Security Awareness. Texas A&M University  
2006-2010: Bloodborne Pathogen Safety. Environmental Health and Safety, University of Pittsburgh  
2006-2010: Formaldehyde and Paraformaldehyde Safety. Environmental Health and Safety, University of Pittsburgh  
2006-2010: Chemical Hygiene. Environmental Health and Safety, University of Pittsburgh  
2005-2013: First Aid, CPR, and AED. American Red Cross