

# Zhian N. Kamvar

## Curriculum Vitae

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## EDUCATION

2012 – **Ph. D. Botany and Plant Pathology**, *Oregon State University (OSU)*, Corvallis, OR.

Present

2007 **Bachelor of Science Biology**, *Truman State University (TSU)*, Kirksville, MO.

## RESEARCH

2012–Present **Graduate Research Assistant**, *Grünwald Lab*, OSU, Corvallis, OR.

Population genomics of the plant pathogen *Phytophthora syringae*; **Research Advisor: Dr. Niklaus Grünwald**.

Aug–Dec 2011 **Graduate Research Assistant**, *Jaiswal Lab*, OSU, Corvallis, OR.

Annotation of flowering pathway of *Arabidopsis*. **Research Advisor: Dr. Pankaj Jaiswal**

2006–2007 **Undergraduate Research Assistant**, *Biology Discipline*, TSU, Kirksville, MO.

Annotation of maize shoot apical meristem expressed genes. **Research Mentors: Drs. Brent Buckner and Diane Janick-Buckner**

## TEACHING

Spring 2012 **Graduate Teaching Assistant**, *Biology Dept.*, OSU, Corvallis, OR.

2009–2011 **English Instructor**, *Herald NIE*, Joong-Dong, Daegu, South Korea.

2008–2009 **English Instructor**, *GnB English*, Sangin-2-Dong, Daegu, South Korea.

Fall Semester, 2006/07 **Undergraduate Teaching Assistant**, *Biology Discipline*, TSU, Kirksville, MO.

## OUTREACH AND SERVICE

2012–Present **Radio Co-host**, *Inspiration Dissemination*, KBVR, Corvallis.

Weekly show focused on communicating graduate student research.

2012–Present **Active Contributor**, *Bioinformatics Users Group*, Oregon State University.

Contributed presentations and discussions relevant to use of bioinformatics tools.

## LEADERSHIP

2012–Present **Treasurer**, *Graduate Student Association*, Department of Botany and Plant Pathology, Oregon State University.

Summer 2005 **Summer Station Manager**, *KTRM FM*, Truman State University, Kirksville, MO.

## AWARDS

2014 Most Innovative Program – Intercollegiate Broadcasting System

2013 Seattle Institute For Statistical Genetics Travel Award – \$450

2006 Truman State University Summer Research Stipend – \$3000

2003 Truman State University Presidential Leadership Scholarship – \$2000

## COMPUTER SKILLS

Advanced R

Intermediate PYTHON, PERL, C,  $\text{\LaTeX}$ , OpenOffice, Linux, OSX

Basic BASH, Inkscape

## LANGUAGES

English **Mother tongue**

Korean **Intermediate**

*Can manage basic conversation*

## PEER REVIEWED PUBLICATIONS

1. **Kamvar ZN**, Tabima JF, Grünwald NJ. (2014) *Poppr*: an R package for genetic analysis of populations with clonal, partially clonal, and/or sexual reproduction. *PeerJ* **2**: e281 <http://dx.doi.org/10.7717/peerj.281>
2. Buckner B, Beck J, Browning K, Hoxha E, Grantham L, **Kamvar ZN**, Lough A, Nikolova O, and Schnable PS, Scanlon MJ, and Janick-Buckner D. (2007) Involving undergraduates in the annotation and analysis of global gene expression studies: creation of a maize shoot apical meristem expression database. *Genetics* **176**: 741-747

## PRESENTATIONS

1. **Kamvar ZN** (2013) Ph.D. Proposal Seminar: Determination of pattern and process in the evolution of the plant pathogen *Phytophthora syringae*. Department of Botany and Plant Pathology, Oregon State University, Corvallis, OR.
2. **Kamvar ZN** (2013) *Poppr*: An R package for genetic analysis of populations with mixed (clonal/sexual) reproduction. Biology Graduate Student Symposium, Hatfield Marine Science Center, Newport OR.
3. **Kamvar ZN**, Tabima JF, Grünwald NJ (2013) *Poppr*: An R package for genetic analysis of populations with mixed (clonal/sexual) reproduction. Fungal Genetics Conference, Asilomar, CA.
4. **Kamvar ZN**, Grünwald NJ (2012) *Poppr*: An R package for population genetic analysis. OSU Fall CGRB Conference, Oregon State University, Corvallis, OR.
5. Browning K, Fritz A, Hoxha E, and **Kamvar ZN** (2007) Annotation and analysis of global gene expression studies: creation of a maize shoot apical meristem expression database, Maize Genetics Conference, St. Charles, IL.
6. Browning K, Fritz A, Hoxha E, and **Kamvar ZN** (2007) Annotation and analysis of global gene expression studies: creation of a maize shoot apical meristem expression database, Truman Student Research Conference, Truman State University, Kirksville, MO.