

CURRICULUM VITAE

Jian-Qiu Wu

Mailing Address:

Department of Molecular Genetics
The Ohio State University
615 Biosciences Building
484 West 12th Avenue
Columbus, OH 43210

Phone: (614) 247-6680 (Office)
(614) 247-7688 (Lab)
Email: wu.620@osu.edu

Education

08/1996-10/2001 University of North Carolina at Chapel Hill Ph.D. in Biology

Research Experience

08/2007-now Assistant Professor at The Ohio State University, Columbus, OH
Molecular mechanisms of cytokinesis

04/06-08/07 Advisor: Dr. Thomas D. Pollard at Yale University, New Haven, CT
Associate research scientist research on the molecular mechanisms of cytokinesis.

11/01-03/06 Advisor: Dr. Thomas D. Pollard at Yale University, New Haven, CT
Postdoctoral research on the molecular mechanisms of cytokinesis.

1997-2001 Advisor: Dr. John R. Pringle at The University of North Carolina at Chapel Hill
Ph.D. dissertation research on roles of alpha-actinin, fimbrin, Rho GEFs, and septins in cell polarization and cytokinesis in the fission yeast *Schizosaccharomyces pombe*.

Memberships

2001-present Member of the American Society for Cell Biology

Awards and Grants

2004 Anna Fuller Fund Molecular Oncology Postdoctoral Fellowship

2008 American Cancer Society, Ohio Pilot Research Grant

2008 American Heart Association, Beginning Grant-in-Aid

2008 Ohio Cancer Research Associates

2009 Basil O'Connor Starter Scholar Research Award

2009 NIH research grant R01

Selected Publications

Wu, J.-Q. *, C.D. McCormick, and T.D. Pollard. 2008. Counting proteins in living cells by quantitative fluorescence microscopy with internal standards. *Methods in Cell Biol.* 89: 253-273.
*Corresponding author.

Vavylonis*, **D, J.-Q. Wu***, S. Hao, B. O'Shaughnesy and T.D. Pollard. 2008. Assembly mechanism of the contractile ring for cytokinesis by fission yeast. *Science* 319: 97-100.
*Co-first authors.

Wu, J.-Q., V. Sirotkin, D.K. Kovar, M. Lord, C.C. Beltzner, J.R. Kuhn, and T.D. Pollard. 2006. Assembly of the cytokinetic contractile ring from a broad band of nodes in fission yeast. *J. Cell Biol.* 174: 391-402.

Wu, J.-Q. and T.D. Pollard. 2005. Counting cytokinesis proteins globally and locally in fission yeast. *Science* 310: 310-314.

Kovar, D.R., **J.-Q. Wu**, and T.D. Pollard. 2005. Profilin-mediated competition between capping protein and formin Cdc12p during cytokinesis in fission yeast. *Mol. Biol. Cell* 16: 2313-2324.

- Wu, J.-Q.**, J.R. Kuhn, D.R. Kovar, and T.D. Pollard. 2003. Spatial and temporal pathway for assembly and constriction of the contractile ring in fission yeast cytokinesis. *Dev. Cell* 5: 723-734.
- Wu, J.-Q.**, J. Bähler, and J.R. Pringle. 2001. Roles of a fimbrin and an α -actinin-like protein in fission yeast cell polarization and cytokinesis. *Mol. Biol. Cell* 12: 1061-1077.
- Hales, K.G., E. Bi, **J.-Q. Wu**, J.C. Adam, I.-C. Yu, and J.R. Pringle. 1999. Cytokinesis: an emerging unified theory for eukaryotes? *Curr. Opin. Cell Biol.* 11: 717-725.
- Bähler, J.*, **J.-Q. Wu***, M.S. Longtine, N.G. Shah, A. McKenzie III, A.B. Steever, A. Wach, P. Philippsen, and J.R. Pringle. 1998. Heterologous modules for efficient and versatile gene targeting in *Schizosaccharomyces pombe*. *Yeast* 14: 943-951. [**Citation: >621 times**]
- ***Co-first authors**

Selected Invited Talks:

- 2009 (0330) Lehigh University (Bethlehem, PA)
- 2008 The Ohio State University (Columbus, OH)
- 2007 Northwestern University (Chicago, IL)
- 2007 Stanford University (Stanford, CA)
- 2007 University of Toronto (Toronto, Canada)
- 2006, 2007 Guest speaker for MCB 641 Advanced Cell Biol. at Univ. of Massachusetts (Amherst, MA)
- 2006 University of California at San Diego (San Diego, CA)
- 2006 University of Pennsylvania (Philadelphia, PA)
- 2003 The American Society for Cell Biology 43rd Annual Meeting (San Francisco, CA)
- 2003 The First East Coast Regional Fission Yeast Meeting (Worcester, MA)
- 2001 The American Society for Cell Biology 41st Annual Meeting (Washington, DC)
- 1999 The First International Fission Yeast Meeting (Edinburgh, UK)