

# CURRICULUM VITAE

## Jian-Qiu Wu

### **Mailing Address:**

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### **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**

Thomas D. Pollard and **Jian-Qiu Wu**. 2010. Understanding cytokinesis: lessons from fission yeast. *Nature Reviews Molecular Cell Biology*. 11: 149-155.

Valerie C. Coffman, Aaron H. Nile, I-Ju Lee, Huayang Liu, and **Jian-Qiu Wu\***. 2009. Roles of formin nodes and myosin motor activity in Mid1p-dependent contractile ring assembly during fission yeast cytokinesis. *Mol. Biol. Cell*. 20: 5195-5210.  
<http://www.molbiolcell.org/cgi/content/full/20/24/5195>.  
[Highlighted in MBC InCytes, ASCB Newsletter, will be considered for MBC Paper of the Year.]  
\*Corresponding author.

**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  $\alpha$ -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**

**Invited Talks:**

- 2010 (0111) Mathematical Biosciences Institute Colloquium, OSU
- 2009 (1028) The 5th International Fission Yeast Meeting (Tokyo, Japan)
- 2009 (0811) Yeast Cell Biology Meeting (Cold Spring Harbor, NY)
- 2009 (0629) Tsinghua University (Beijing, China)
- 2009 (0626) Institute of Biophysics, The Chinese Academy of Sciences (Beijing, China)
- 2009 (0330) Lehigh University (Bethlehem, PA)
- 2008 (1014) MCDB/OSBP seminar, The Ohio State University (Columbus, OH)
- 2008 (0228) Dept. of Biochemistry, The Ohio State University (Columbus, OH)
- 2007 Indiana University (Bloomington, IN)
- 2007 McGill University (Montreal, Quebec, Canada)
- 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 Duke University (Durham, NC)
- 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)