

Deborah J. Frank, PhD

Scientific Editor

Department of Obstetrics and Gynecology
Washington University School of Medicine in St. Louis
425 South Euclid Ave, Campus Box 8064
St. Louis, MO 63110
Phone: 314-747-1701
Email: dfrank22@wustl.edu

Education

- 2000 PhD, Molecular and Cellular Biology, Fred Hutchinson Cancer Research Center and University of Washington
- 1993 BS, Biochemistry and Cell Biology, University of California San Diego

Positions Held

- 2012–present Scientific Editor, Department of Obstetrics and Gynecology, Washington University School of Medicine in St. Louis
- Established the *Scientific Editing Service* to serve faculty members, fellows, residents, postdoctoral fellows, and graduate students
 - Provide in-depth editorial review that focuses not just on the language, but also on clear presentation of the science, to enhance the success of grant and research article submissions
 - Teach a small manuscript-writing course for postdocs, fellows, students, and technicians
- 2006–2011 Research Scientist, Department of Biology, Washington University in St. Louis (laboratory of Kathryn G. Miller)
- Function and regulation of Myosin VI in *Drosophila* spermatogenesis
- 2001–2006 Postdoctoral Fellow, Department of Biology, Washington University in St. Louis (laboratory of Kathryn G. Miller)
- Actin cytoskeleton regulation
- 1994–2001 Graduate Student, Fred Hutchinson Cancer Research Center and University of Washington (laboratory of Mark B. Roth)
- Regulation of cell growth in *C. elegans* and *D. melanogaster* by *ncl-1/brat*
- 1990–1994 Undergraduate Research Assistant/Research Technician, University of California San Diego (laboratory of James T. Kadonaga)
- Structure and function of an RNA Polymerase II transcription factor

Teaching Positions Held

- 2015-present Writing Instructor, BP Endure St. Louis: a Neuroscience Pipeline
- Developed and teach a mock-fellowship-writing course for undergraduates from groups under-represented in the neurosciences

- 2015 Writing Instructor, Opportunities in Genomics Research Extensive Study Program
- Developed and taught a mock-fellowship-writing course for post-baccalaureate scholars from groups under-represented in the sciences
- 2011–present Writing Instructor, Amgen Summer Scholars Program, Washington University in St. Louis
- Developed and teach a series of writing workshops to guide undergraduate scholars in writing mock fellowship proposals
- 2008, 09, 11 Instructor, Molecular Mechanisms in Development, Washington University in St. Louis
- Junior/senior level writing-intensive course
- 2007 Teaching Assistant, Molecular Mechanisms in Development
- 2003–2006 Instructor, Current Issues in Biomedical Ethics, University College, Washington University in St. Louis
- Developed and taught this non-majors course

Professional Development and Academic Community Activities

- 2016 Presenter and participant, National Organization of Research Development Professionals Research Development Conference
- Poster presentation: Deborah Frank and Christine Blau Mueller. *Enhancing Biomedical Sciences Grant Success Through Scientific Editing*
- 2015–present Member, National Organization of Research Development Professionals
- 2015 Member, Professional Leadership Academy & Network at Washington University in St. Louis
- Professional Leadership Academy & Network offers individuals a curriculum strategically designed to strengthen institutional knowledge, develop an appreciation for the importance of inclusion and cultivate core leadership skills, such as strategic thinking, innovation, creativity and project management.
- 2014 Presenter and participant, Editors Retreat at University of Iowa
- 2012–2014 Mentor, NSF graduate research fellowship proposal writing workshops
- 2012 Participant, NIH Regional Seminar on Program Funding and Grants Administration
- 2012 Participant, iTeach Symposium, Washington University in St. Louis
- 2010 Presenter, iTeach Symposium, Washington University in St. Louis
- *Using Tablet PCs to Help Students Become Better Collaborators, Critical Thinkers, and Communicators*
- 2009–2010 Mentor, NSF graduate fellowship proposal writing workshops
- 2009 Science Writer, Working Group on Women in Biomedical Careers at the St. Louis, MO, conference “Moving into the Future: New Dimensions and

Strategies for Women's Health Research" sponsored by the Office of Research on Women's Health, NIH

Honors

2002–2005	NIH Postdoctoral Fellowship
2001–2002	W.M. Keck Postdoctoral Fellowship
1995–1998	NSF Graduate Research Fellowship
1993	Magna Cum Laude
1993	Phi Beta Kappa
1990–1993	Fifth College (University of California San Diego) Provost's Honors List
1990–1993	Regents Scholar, University of California San Diego

Research Publications

1. Isaji M, Lenartowska M, Noguchi T, [Frank DJ](#), and Miller KG. 2011. Myosin VI regulates actin structure specialization through conserved cargo-binding domain sites. *PLoS ONE* 6 (8): e22275.
2. Noguchi T*, [Frank DJ](#)*, Isaji M, and Miller KG. 2009. Coiled-coil-mediated dimerization is not required for myosin VI to stabilize actin during spermatid individualization in *Drosophila melanogaster*. *Mol. Biol. Cell* 20: 358-367.
3. Noguchi T, Lenartowska M, Rogat AD, [Frank DJ](#), and Miller KG. 2008. Proper cellular reorganization during *Drosophila* spermatid individualization depends on actin structures composed of two domains, bundles and meshwork, that are differentially regulated and have different functions. *Mol. Biol. Cell* 19: 2363-2372.
4. [Frank DJ](#), Hopmann R, Lenartowska M, and Miller KG. 2006. Capping protein and the Arp2/3 complex regulate non-bundle actin filament assembly to indirectly control actin bundle positioning during *Drosophila melanogaster* bristle development. *Mol. Biol. Cell* 17: 3930-3939.
5. [Frank DJ](#)*, Martin SR*, Gruender BNT, Lee YR, Simonette RA, Bayley PM, Miller KG, and Beckingham KM. 2006. Androcam is a tissue-specific light chain for myosin VI in the *Drosophila* testis. *J. Biol. Chem.* 281: 24728-24736.
6. [Frank DJ](#), Noguchi T, and Miller KG. 2004. Myosin VI: a structural role in actin organization important for protein and organelle localization and trafficking. *Curr. Opin. Cell Biol.* 16: 189-194.
7. [Frank DJ](#), Edgar BA, and Roth MB. 2002. The *Drosophila melanogaster* gene *brain tumor* negatively regulates cell growth and ribosomal RNA synthesis. *Development* 129: 399-407.
8. [Frank DJ](#) and Roth MB. 1998. *ncl-1* is required for the regulation of cell size and ribosomal RNA synthesis in *C. elegans*. *J. Cell Biol.* 140: 1321-1329.
9. [Frank DJ](#), Tyree CM, George CP, and Kadonaga JT. 1995. Structure and function of the small subunit of TFIIF (RAP30) from *Drosophila melanogaster*. *J. Biol. Chem.* 270: 6292-6297.

* Equal Contributions

Other Publications

1. Fisher BA, Miller KG, Buhro WE, [Frank DJ](#), and Frey RF. 2012. Collaborating with faculty to design active learning with flexible technology. *To Improve the Academy: Resources for Faculty, Instructional, and Organizational Development*, p. 329.

2. Frank DJ. 2009. How to Write a Research Manuscript. In S.R. Gallagher and E.A. Wiley (Eds.), *Current Protocols Essential Laboratory Techniques* A.5C.1-A.5C.18. Published online December 2009 in Wiley Interscience (www.interscience.wiley.com). DOI: 10.1002/9780470089941.eta05cs02.