

**PHILIP M. MENEELY**

**Date and Place of Birth** May 11, 1953, Punxsutawney, Pennsylvania

**Business Address** Haverford College  
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**Education and Training**

Postdoctorate: University of Colorado, Boulder, Colorado, 1980-1984

Graduate: University of Minnesota, St. Paul, Minnesota, 1975-1980  
Ph.D. in Genetics

Undergraduate: Geneva College, Beaver Falls, Pennsylvania, 1971-1975  
B.S. in Biology, *summa cum laude*

**Professional Experience and Appointments**

2001- Professor, Department of Biology, Haverford College (PA)

2005-2008 Associate Provost, Haverford College

1998-2001 Department Chair, Department of Biology, Haverford College (PA)  
2013-2014

1995-2001 Associate Professor, Department of Biology, Haverford College (PA)

1989-1995 Associate Member, Division of Basic Sciences, Fred Hutchinson  
Cancer Research Center, Seattle, WA

1985-1989 Assistant Member, Division of Basic Sciences, Fred Hutchinson  
Cancer Research Center, Seattle, WA

1986-1995 Affiliate Faculty, Department of Genetics

University of Washington, Seattle, WA

- 1980-1984 Postdoctoral research fellow, Department of Molecular, Cellular, and Developmental Biology, University of Colorado, Boulder, Supervisor: W.B. Wood
- 1980 Lecturer, Department of Biology, Macalester College, St. Paul, MN
- 1975-1980 Predoctoral trainee, Department of Genetics and Cell Biology, University of Minnesota, St. Paul, MN.  
Thesis advisor: R.K. Herman

**Selected College-Wide Administrative Service at Haverford College**

- 2012- Member, then Chair of Educational Policy Committee
- 1998-2001 Department Chair, Department of Biology, Haverford College  
2013-2014
- 2009-2013 HHMI Program Director
- 2009-10 Chair, search committee for Chief Information Officer, Haverford College
- 2007-2008 Co-chair, Master Planning Committee, Haverford College
- 2005-2008 Associate Provost, Haverford College
- 2004-2005 Director: Koshland Integrated Natural Sciences Center
- 2003-2005 Natural Science Division Representative, Academic Council  
(Presidential advisory committee on appointments and tenure)
- 1999- 2003 HHMI Program Director  
(student research, minority outreach, and faculty development)
- 1997-2002 Koshland Integrated Science Center Planning and Building Committee  
Biology Department Representative

### **Selected Other Professional Activities**

Member, Committee of Examiners, Graduate Record Exam in Biochemistry, Cell and Molecular Biology, 2004- 13. Chair, 2010- 2013. This is the committee that writes, reviews, and recommends changes in the GRE in Biochemistry, Cell, and Molecular Biology

Committee member and reviewer, Howard Hughes Medical Institutes undergraduate research panel, 2007-2008. Reviewed and recommended for funding applications from undergraduate institutions

Member, Education Committee, Genetics Society of America, 2004-2008, 2012-2014

External reviewer for Biology Departments at  
Lewis & Clark College (OR), April 2015  
Pomona College (CA) March 2012  
University of the Pacific (Stockton, CA) Fall 2010  
Ursinus College (PA), Spring 2007  
Lawrence University (WI), Spring 2004  
Goucher College (MD), Fall 1999

Committee of Visitors for Review of National Science Foundation. Reviewed the practices and the priorities of NSF programs  
2003, Chair of committee reviewing Program in Cellular and Developmental Biology  
2002, Member of committee reviewing Section in Developmental Biology

### **Honors (while at Haverford College)**

Finalist for undergraduate biology textbook of the year, Royal Society of London, for *Genetic Analysis: Genes, genomes, and networks in eukaryotes*. 2015

Distinguished visitor and Phi Beta Kappa lectures, Davidson College, April 2011

Visiting Scholar, Genetics Unit, Department of Biochemistry, Oxford University, Oxford, UK.  
June- August 2008

George Saul Distinguished Lectures in Biology, Middlebury College. November 2007

Visiting Scholar (National Science Foundation), Department of Genetics, Mendel Institute, University of Vienna, Vienna, Austria. January-May 2003

### **Selected Peer-Reviewed Research Publications (Total: 38)**

- Meneely, PM, OL McGovern, FI Heinis, and JL Yanowitz, 2012 Crossover distribution and frequency are regulated by *him-5* in *Caenorhabditis elegans*. *Genetics*, 190: 1251-1266.
- Hwang, J., LM Mattei, LG VanArendonk, PM Meneely, IN Okeke, 2010. A Pathoadaptive deletion in an enteroaggregative *Escherichia coli* outbreak strain enhances virulence in a *Caenorhabditis elegans* model. *Infection and Immunity*, 78:4068-4076.
- Phillips C.M., C Wong, N Bhalla, , P. M Carlton, P Weiser, PM Meneely, AF Dernburg, 2005. HIM-8 binds to the X chromosome pairing center and mediates chromosome-specific meiotic synapsis. *Cell* 123: 1051-1063.
- Meneely, PM, AF Farago, and TM Kauffman, 2002. Crossover distribution and high interference for both the X chromosome and an autosome during oogenesis and spermatogenesis in *Caenorhabditis elegans*. *Genetics* 162: 1169-1177
- Meneely, PM, 1997 The chromosomal signal for sex determination in *Caenorhabditis elegans*. *BioEssays* 19:945-948.
- Lieb, JD, EE Capowski, PM Meneely and BJ Meyer, 1996 DPY-26, a link between dosage compensation and meiotic chromosome segregation in the nematode. *Science* 274:1732-1739.
- Meneely, PM, 1994 Sex determination in polyploids of *Caenorhabditis elegans*. *Genetics* 137: 467-481.
- Parkhurst, SM and PM Meneely, 1994 Sex determination and dosage compensation: Lessons from flies and worms. *Science* 264: 924-932.

**Text books, Book Chapters, and Educational Publications (peer-reviewed)**

- Meneely, Philip, Rachel Dawes-Hoang, Iruka Okeke, and Katherine Heston, *Genetics: Genes, Genomes, and Evolution*. Under contract with Oxford University Press, submitted in 2016 and scheduled for publication in December 2016.
- Meneely, PM 2016 Pick your Poisson: An educational primer for Luria and Delbruck's classic paper. *Genetics* 202:371-375
- Meneely, Philip. *Advanced Genetic Analysis: Genes, Genomes, and Networks in Eukaryotes*, Oxford University Press. 2009. On-line updates and additional material published several times annually.
- Genetic Analysis: Genes, Genomes, and Networks in Eukaryotes*, 2<sup>nd</sup> edition. Oxford University Press. 2014. Nominee for undergraduate biology textbook of the year by the Royal Society of London, 2015

Meneely  
*Curriculum vitae*

Meneely, P. M, and J. C. Bloom, 2013. SMG-ly knocking out gene expression in specific cells; An educational primer. *Genetics* 195: 1201-1207.

modENCODE Educational Guide. 2012 Project leader for part of the educational guide to support the modENCODE genome project for *C. elegans*, published by *Science*.

On-line Resource Centre for Wolpert, *Principles of Development*, 5<sup>th</sup> edition. 2011 Oxford University Press. On-line student guides and supplemental material

Craig, N. *et al. Molecular Biology: Principles of Genome Function*. Contributor. Author of chapter entitled *Genomes and Genetic Variation*, contributed pedagogical boxes throughout. Oxford University Press, 2010.

Emerson, S.G., P. M. Meneely, J.A. Punt, 2009 “Engaging undergraduate students in research: Sustaining our nation’s pipeline of future biomedical investigators”. Contributed chapter in *The Vanishing Physician-Scientist?* Andy Schafer, ed., ILR: Cornell Press.

**References available upon request**