

Curriculum Vitae

NANCY L. CRAIG

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Education

- 1969 - 1973 Bryn Mawr College, Bryn Mawr, Pennsylvania
1973, A.B., Biology and Chemistry, *summa cum laude*
- 1973 - 1980 Cornell University, Ithaca, New York
1980 Ph.D., Biochemistry
Graduate Student with Dr. Jeffrey W. Roberts
Role of RecA Function in the Lysogenic Induction of Phage Lambda
- 1980 - 1984 National Institute of Mental Health, Bethesda, Maryland
Postdoctoral Fellow with Dr. Howard A. Nash
Mechanisms of Phage Lambda Site-Specific Recombination
- 1989 - 1990 Carnegie Institute of Washington, Baltimore, Maryland
Sabbatical with Dr. Allan C. Spradling
Dissection of Drosophila Chromosome Structure and Function Using *P* Elements

Positions

University of California, San Francisco

- 1984 - 1988 Assistant Professor
1988 - 1991 Associate Professor
Departments of Microbiology & Immunology and Biochemistry & Biophysics
Research Staff, George W. Hooper Foundation

Johns Hopkins University School of Medicine

- 1991 - 1993 Associate Investigator
Howard Hughes Medical Institute
Associate Professor
Department of Molecular Biology & Genetics
- 1993 - 1995 Associate Investigator
Howard Hughes Medical Institute
Professor
Department of Molecular Biology & Genetics
- 1995 - Pres. Investigator
Howard Hughes Medical Institute
Professor
Department of Molecular Biology & Genetics
- 2011 - Pres. Affiliated Faculty, Johns Hopkins Medicine High Throughput Biology Center

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Honors

Elected to

- 1996 Fellow, American Academy of Microbiology
2002 Fellow, American Association for the Advancement of Science
2007 Fellow, American Academy of Arts and Sciences
2010 Member, National Academy of Sciences

Awards

- 1973 A.B., Biology and Chemistry, *summa cum laude*
1973 - 1976 National Science Foundation Pre-doctoral Fellow
1973 - 1975 DuPont Graduate Fellowship (declined)
1980 - 1982 American Cancer Society Postdoctoral Fellowship (declined)
1980 - 1982 National Research Service Award
1986 - 1987 University of California, San Francisco Pre-Tenure Award
1990 American Cancer Society Cancer Scholar
1995 Dean's Lecturer, Johns Hopkins University School of Medicine
1997 Alumni Association Excellence in Teaching Award, Johns Hopkins University

Keynote Speaker

- 1993 Keynote Speaker, Mid-Atlantic Conference on Extrachromosomal Elements, Virginia Beach, VA
1996 Keynote Speaker, Ninth Annual Research Symposium, Beckman Institute, University of Illinois, Champaign, IL
2000 The NIH Director's Wednesday Afternoon Lectures, Bethesda, MD
Keynote Speaker, Keystone Symposia on Transposition and Other Genome Rearrangements, Santa Fe, NM
Division H Lecturer, American Society for Microbiology 100th General Meeting, Los Angeles, CA
2004 Keynote Speaker, Maize Genetics Meeting, Mexico City, Mexico
2005 Speaker, Gala for 100 Women Professors, Johns Hopkins University School of Medicine, Baltimore, MD
2008 Distinguished Speaker - 10th Annual Beckman Scholars Symposium, Irvine, CA
Dr. Maude L. Menten Memorial Lecture, University of Western Ontario, London, Ontario, Canada
2011 Keynote Speaker, University of California, Riverside Cell, Molecular, and Developmental Biology Research Symposium, Riverside, CA

National Service

- 1984 - *Ad hoc* Reviewer: Cell, Science, Nature, Molecular Microbiology, The EMBO Journal, Journal of Molecular Biology, Journal of Bacteriology, Nucleic Acids Research, Genes & Development
Visiting Committee for the Department of Biology, Haverford College
Visiting Committee for the Department of Biology, Bryn Mawr College
1995 - 1997 National Institutes of Health Microbial Physiology & Genetics Study Section
1995 - 1999 Associate Editor, Genetics
1995 - Associate Editor, Genes to Cells

National Service (continued)

1996 - 1999 Genetics Society of America, Board of Directors
1997 - Editorial Board, Molecular Microbiology
1997 - 1999 Membership in the Foundation for Microbiology Lectures Program
2000 Membership in the Speaker's Bureau of The American Society for Cell Biology
2002 - 2008 Steering Committee Member and Investigator for *E. coli* Model Cell Consortium
2008 - Editorial Board, Journal of Biology
2010 Co-Editors-in-Chief, Craig, N.L., T.H. Eickbush, D.F. Voytas,
Mobile DNA, BioMed Central Ltd.

Memberships

Genetics Society of America
American Society for Microbiology
American Association for the Advancement of Science
American Academy of Arts and Sciences

Lab Supported by

National Institutes of Health

"Transposition of *Tn7*" 07/01/84 - 03/31/00
"Program on Molecular Biology of Viral Tumorigenesis" 04/01/11 - 02/28/06
Thomas J. Kelly, PI;
Nancy L. Craig, Project Leader "Transposition of Tn7"
"Transposition of Tn7 and Hermes" 03/01/06 - 02/29/12
"Small RNA Regulation of Transposons in Mosquitoes" 07/10/10 - 06/30/12
ARRA Supplemental University of California, Riverside
Peter W. Atkinson, PI ; Nancy L. Craig - Subgrant

Howard Hughes Medical Institute

"The Mechanism and regulation of Transposition Reactions" 12/01/91-08/31/12

Maryland Stem Cell Research Fund

"Genome Engineering of Human Stem Cells for Gene Therapy" 10/01/07 - 09/30/10

Johns Hopkins Institute for Cell Engineering ICE Challenge Grant

"Genome Engineering of Human Stem Cells for Gene Therapy" 10/01/07 - 09/30/10

**Johns Hopkins Malaria Institute and
Bloomberg Family Foundation**

"Using *A. Aegypti* Transposons for Genetic
Manipulation of Malarial Mosquitoes" 03/01/06 - 02/28/08