

CURRICULUM VITAE

JEFFREY ROBERT POWELL

ACADEMIC POSITIONS:

At Yale University:

Assistant to Full Professor of Biology, 1972-1997 (tenured 1980)
Professor of Ecology and Evolutionary Biology, 1997-present
Director of Undergraduate Studies, 1992-1996, 1997-2003, 2011-12
Chair, Organismal Biology Program, 1994-1999
Professor (adjunct), School of Forestry and Environmental Studies, 2001-present
Professor (adjunct), Epidemiology and Public Health, Medical School, 2008-present
Director of Graduate Studies, 2008-2009; 2014-2015
Director: Yale Institute for Biospherics Studies, ECOSAVE Center 2010-2011

Visiting Professor, 1977
University of California, Riverside

Visiting Associate. 1981-82
California Institute of Technology

Visiting Professor, 1988
II Università di Roma

Overseas Fellow, 1994
Churchill College, Cambridge University

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DATE AND PLACE OF BIRTH: 22 January 1948; Oelwein, Iowa

EDUCATION: 1965-1969 University of Notre Dame
B.S. Biology, Magna Cum Laude
1969-1971 The Rockefeller University
1971-1972 University of California, Davis, Ph. D., Genetics

RESEARCH TRAINING: 1967-69: Mosquito genetics and physiology under direction of George B. Craig, University of Notre Dame

1969-70: Enzyme biochemistry under direction of Christian deDuve, The Rockefeller University

1969-72: Evolutionary genetics, under direction of Th. Dobzhansky, The Rockefeller University and University of California, Davis

RESEARCH TRAINING PERFORMED: Major advisor for 23 completed Ph. D.'s
Mentored 26 postdoctorals
Advisor to ~45 undergraduate researchers
Advisor to ~10 high school researchers
Host to seven sabbatical visitors

RESEARCH INTERESTS: Experimental population genetics, molecular evolution, disease vector evolutionary genetics, conservation genetics

ASSOCIATED INTERESTS: History of genetics and evolutionary biology

FIELD EXPERIENCE: *Drosophila* : Western US, Mexico, South America, Caribbean, Europe
Mosquitoes: Africa, Caribbean, Mexico, South America, and the US
Tortoises: Galápagos

TEACHING EXPERIENCE: Genetics--undergraduates
Evolutionary Biology--undergraduates
General Biology--undergraduates
Conservation Biology, undergraduates
Population Genetics--graduate level
Molecular Evolution--graduate level
Behavior Genetics--graduate level
Evolutionary Genetics--graduate level
Human Genetics--medical students
Graduate seminars in molecular evolution, speciation, molecular systematics, history of evolutionary genetics, etc.

EDITORSHIPS: *EVOLUTION*, Corresponding Associate Editor 1976-1980
JOURNAL OF HEREDITY, Editorial Board, 1976-1983, Corresponding, 1987-1990
GENETICS, Corresponding Associate Editor 1982-1990
GENETIQUE, SELECTION, EVOLUTION, Associate editor, 1986-2000
BOLLETINO DI ZOOLOGIA, Associate editor 1988-2003
REVISTA BRASILEIRA DE GENETICA, Associate editor 1993-2001
MOLECULAR PHYLOGENETICS AND EVOLUTION, Editorial Board, 1992-2008
MOLECULAR BIOLOGY AND EVOLUTION, Corresponding Editor, 1995-1997
INSECT MOLECULAR BIOLOGY, Editorial board, 1999-2008
HEREDITAS, Editorial board, 2015-

LEARNED SOCIETIES:

Phi Beta Kappa
Genetics Society of America
Connecticut Academy of Arts and Sciences
Society for the Study of Evolution
Sigma Xi
American Association for the Advancement Science
American Institute of Biological Sciences
American Genetic Association
American Society of Tropical Medicine and Hygiene
Society for Molecular Biology and Evolution
International Society for Biochemical Systematics
International Society of Molecular Evolution
Entomological Society of America
Society of Systematic Biologists

HONORS:

National Academy of Sciences Exchange Fellow, 1975
Fulbright-Hays Distinguished Professor, Yugoslavia, 1977
President, International Society for Biochemical Systematics, 1993-1997
Overseas Fellow, Churchill College, Cambridge University 1994-
President, American Genetic Association, 1995
Scientific Fellow, Wildlife Conservation Society
Elected Fellow, AAAS
President, Society of Molecular Biology and Evolution, 2005
Science Without Borders Fellow, CNPq Brazil 2014-2017

External AWARDS/GRANTS (PI only):

Ford Foundation Scholarship, 1966-1969
NSF Undergraduate Research Award, 1968
NSF Graduate Fellowship, 1969-1972
NSF Research Grant GB-42220, 1974-1976
NSF Latin American Scientific Visit, 1974
NSF International Programs OIP 75-06738, 1975-1980
NIH Research Grant RO1 AI 12016, 1976-1979
NSF Research Grant DEB 76-19971, 1976-1979
NSF Research Grant DEB 79-21748, 1980-1982
DOD Research Contract DAMD-17-81-C-1026, 1980-1984
NSF Research Grant DEB-81-09816, 1981-1983
NSF Research Grant DEB 8203119, 1982-1984
NIH Program Project Grant AI 11132, 1980-1985
NSF Research Grant BSR 8300994, 1983-1986
NSF Research Grant BSR 8500207, 1985-1988
NIH Research Grant RO1 GM36648, 1986-1989
NSF Research Grant BSR 8806148, 1988-1990

NSF Instrumentation Grant DIR-9109422, 1991-1993
 NSF Research Grant BSR 9122899, 1992-1994
 World Health Organization TDR 920497, 1992-1995
 NSF Research Grant BSR 9224749, 1993-1995
 NIH Research Grant RO1 AI35215, 1993-1999
 NSF Research Grant DEB 9318836, 1994-1997
 NSF Research Grant DEB 9322672, 1994-2000
 NSF Research Grant DEB 9726236, 1998-2002
 National Geographic Society Grant, 2000-2001
 NIH Research Grant RO1 AI46018, 2000-2011
 NIH Research Grant RO1 GM077533, 2006-2011
 National Geographic Society Grant 8453-08, 2008-2012
 NIH Research Grant R21 AI096017, 2011-2014
 NIH Research Grant R01 AI101112, 2012-2017
 NIH Research Grant UO1 AI115595, 2015-2020

PROFESSIONAL SERVICES:

Committee on Awards, Genetics Society of America, 1978-1981
 Nominating Committee, American Genetic Association, 1980
 Advisor to the Pan-American Health Organization 1980
 NSF Population Biology Panel, 1980-1983
 Chairman, Program Committee, Genetics Society of America, 1981-1982
 Chairman, Program Committee, American Genetic Association, 1982
 Organizer of Annual Genetics Society of America Meeting, 1982
 Chairman, evolution program, *Drosophila* Research Conference, Asilomar, 1983
 Sustaining Membership Committee, American Genetic Association, 1983-85
 Advisor to New York State on Ph. D. Programs in Biology, 1983
 Council American Genetic Association, 1983-1985; 1987-1988
 Long Range Planning Committee, American Genetic Association, 1985-88
 External Examiner, Kenyatta University, Nairobi, 1986-1989
 NIH Genetics Study Section, 1990
 Chairman, Nominating Committee, American Genetic Association, 1990
 Co-founder, New England Molecular Evolutionary Biologist Organization, 1990
 Selection Committee for Fulbright Scholars (CIES), 1991-1992, Chairman, 1993
 NSF Special Review Committee for Graduate Training Grants, 1992
 Scientific Advisory Group, American Zoo and Aquarium Association, 1994-present
 Association of Scientific Society Presidents, 1994-1996.
 Organizer of Annual Meeting and symposium of American Genetic Association, 1995
 Member, Council of Scientific Society Presidents, 1994-5
 Howard Hughes Medical Institute, committee for graduate fellowships, 1996-1999
 Convener of Genetics and Evolution Program of 20th International Congress of
 Entomology, Florence, Italy, 1996
 Organizer, Annual Meeting of the Society of Molecular Biology and Evolution,
 New Haven: 2000
 NIH Genomics Study Section, 2002

Council, Society for Molecular Biology and Evolution, 2004-2006
 Drosophila Genome Sequencing Committee, Tucson, 2003-2007
 NIH Vector Biology Study Section, 2004-2008, ad hoc, 2009, 2010, 2013, 2014
 VectorBase Scientific Working Group, 2005-present
 Society for Molecular Biology and Evolution, By-Laws Revisions Committee 2005/6
 Vector Control Consultant, Bill and Melinda Gates Foundation, 2008
 New York Academy of Science's Blavatnick Awards selection committee, 2007-2010
 Organizer: "Evolution of Codon Usage", 50th Annual Drosophila Research
 Conference, Chicago, 2009
 Reviewer, DBP Program of VectorBase, NIH grants. 2010, 2012
 NIH NIAID Special review of Program Project Grants, 2011, 2015
 NIH GMS, COBRE Program Study Section, 2012
 NIH NIAID U.S.-China Program for Biomedical Collaborative Research-Study Section 2013
 NIH NIAID: Special Emphasis Study Sections, 2013(twice), 2014(twice)
 NIH GM Fellowships Study Section: Genes, genomics, genetics, 2015.

INVITED SYMPOSIA/PLENARY/NAMED LECTURES:

Society of American Naturalists, Minneapolis, 1972
 Third International Conference on Isozymes, 1974
 Symposium in Honor of Th. Dobzhansky, Tempe, Arizona, 1976
 Symposium in Memory of Th. Dobzhansky, Columbia University, 1976
 European Drosophila Research Conference Symposium, France, 1977
 Japanese-US Symposium on Genetics of Speciation, Tokyo, 1978
 Society for the Study of Evolution Symposium, Boulder, 1979
 European Drosophila Research Conference Symposium, Yugoslavia, 1979
 Population Biology Symposium, Oregon State University, 1980
 Pan-American Health Organization Yellow Fever Symposium, Brazil, 1980
 Mechanisms of Speciation, Academia dei Lincei, Rome, 1981
 Advances in Insect Vector Genetics, Bellagio, Italy, 1981
 Management of Wild Populations, Department of Interior, Washington, 1982
 Drosophila Research Conference, Asilomar, 1983
 Genetic Advances in Parasitology, Rome, 1983
 XV International Congress of Genetics Symposium Speaker, India, 1983
 Symposium in Honor of Howard Levene, Columbia University, 1984
 Symposium on Founder Events and Speciation, Honolulu, 1985
 Symposium on Genetics and Evolution, William Patterson College, 1986
 Drosophila Research Conference EMBO, Crete, 1986
 Genetics of Agricultural Pests, Rothamsted, England, 1988
 Italian Zoological Union Congress, Camarino, Italy, 1988
 XVI International Congress of Genetics Symposium Speaker, Toronto, 1988
 UCLA Symposium on Molecular Evolution, Lake Tahoe, 1989
 CSEOL Symposium on Molecular Systematics, Lake Arrowhead, 1989
 Plenary Lecturer, 2nd Congress European Society for Evolutionary Biology, Rome, 1989
 Molecular Clocks, Cold Spring Harbor Banbury Center, 1989

Molecular Systematics NATO Conference, Norwich, England, 1990
 XVII International Congress of Genetics Symposium, Birmingham, England, 1993
 European Evolutionary Biology Society Symposium, Montpellier, France, 1993
 11th Congreso Latinoamericano de Genetica, Puerto Vallarta, Mexico, 1994
 American Genetic Association Symposium on Mosquito Genetics, New Haven, 1995
 International Congress of Systematics and Evolutionary Biology, Budapest, 1996
 International Congress of Entomology, Plenary Lecture, Florence, 1996
 50th Anniversary of Korean Science Foundation Celebration Symposium, Seoul, 1996
 Brazilian Genetics Society, Caxambu, Brazil, Plenary Lecturer, 1996
 National Academy of Sciences Symposium, Genetics and the Origin of Species, Irvine, California, 1997
 Entomological Society of America, G. B. Craig Memorial Symposium, Nashville, 1997
 Italian Entomological Society, keynote speaker, Florence, 1997
 Malariology Centenary, Academia dei Lincei, Rome, 1998
 Limits to Knowledge in Evolutionary Biology, Riverside CA, 1998 (declined)
 Fukuoka Japan Symposium on Molecular Evolution, 1998
 Molecular Epidemiology and Evolutionary Genetics of Infectious Diseases, Brazil, 1998
 American Society of Tropical Medicine and Hygiene, Puerto Rico, 1998 (cancelled)
 Galápagos Symposium, AAAS Pacific Division, San Francisco, 1999
 American Society of Tropical Medicine and Hygiene, Washington, 1999
 New England Molecular Evolutionary Biologists, Plenary Lecture, Harvard, 2000
 Connecticut Academy of Sciences, Keynote speaker, 2000
 Keystone Symposium, Genetic Manipulation of Insects, 2001
 Plenary Lecturer, Brazilian Drosophila Biology Meeting, 2001
 Genetically Engineered Arthropod Vectors of Human Infectious Diseases, NIH/WHO, London and Atlanta, 2001 (cancelled due to 9/11)
 Symposium in Honor of Michael Ashburner, Cambridge, July 2002
 Fourth International Workshop on Transgenesis and Genomics of Invertebrate Organisms, Asilomar, Calif., 2003
 Molecular and Evolutionary Genetics of Vectors, EMBO, Crete, 2003, 2005, 2007, 2011, 2015
 American Genetics Association Centennial Symposium, Storrs, CT, 2003
 Island Conservation Biology, Keynote speaker, Funchal, Madeira, 2003
 Brazilian Genetics Society, Plenary Speaker, 2005.
 Nei Lecture, SMCB, Auckland, New Zealand, 2005
 Distinguished Alumni Series, University of Notre Dame, 2007
 George B. Craig Memorial Lecture, 2007
 Conservation Genetics Symposium, American Museum Natural History, 2007
 Advances in Malaria Research, Am. Soc. Tropical Med. Hyg. Philadelphia, 2007
 Tanner Lecture in Natural History, Brigham Young University, 2008
 G. Montalenti Memorial Lecture, Department of Genetics, University of Rome, 2008
 International Meeting of Society of Vector Ecology, Plenary Speaker. Palm Springs, 2013
 MVCAC 82nd Annual Meeting, Plenary Speaker. San Diego, 2014
 Society for the Study of Evolution, Sao Paulo, invited symposium speaker, 2015
 International Congress of Entomology, Orlando, 2016