

Russell Dawson Fernald

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EDUCATION:

1959-1963 Swarthmore College (B.S. in Electrical Engineering, 6/63)
1963-1968 University of Pennsylvania (Ph.D. in Biophysics, 6/68)

APPOINTMENTS:

1968-1971 Post-doctoral associate, Max-Planck-Institut für Psychiatrie, Munich, (Dr. O. Creutzfeldt)
1971-1973 Institute Scientist, Max-Planck-Institute for Behavioral Physiology, (with Professor Konrad Z. Lorenz), Seewiesen, Germany
1973-1976 Staff Scientist, Max-Planck-Institute for Behavioral Physiology, Seewiesen, Germany
1976-1990 Assistant (1976), Associate (1980), and Full Professor (1986), Department of Biology, University of Oregon, Eugene, OR
1990-2004 Professor of Psychology and Human Biology, Stanford University, Stanford CA
2004-present Professor of Biology and Human Biology, Stanford University, Stanford CA

HONORS AND AWARDS:

1963-64 Ford Foundation Pre-doctoral Fellowship.
1964-68 NIH Pre-doctoral Fellowship.
1969-71 Max Planck Institut Post-Doctoral Fellowship.
1978-83 NIH Research Career Development Award.
1985-86 NIH Fogarty Senior International Fellowship, (Medical Research Council, London).
1994- Benjamin Scott Crocker Professor of Human Biology, Stanford University.
1999-2006 Javits Neuroscience Investigator Award, National Institute of Neurological Disorders and Stroke.
2003 Fellow-American Association for Advancement of Science
2004 Rank Prize in Vision/Opto-electronics, 2004
2003-2013 Mimi and Peter Haas Fellow in Undergraduate Education
2009 Futterman Memorial Lecture, University of Washington
2011 Forbes Lectures, Marine Biological Laboratory, Woods Hole
2011 Elected, American Academy of Arts and Sciences
2013 Marsden Lecture, McGill University, Montreal
2013 Matarazzo Lecture, Oregon Health Sciences Institute, Portland, OR

OTHER PROFESSIONAL EXPERIENCE:

1978-80 Director, PHS Systems and Integrative Biology Training Grant
1980-00 Editorial Board, *Neurobiology & Behavior Monographs*, Pitman
1984 Visiting Professor, Department of Anatomy, University of Colorado Medical School, Denver, CO, 1984.
1984 NICHD, Panel Member
1985-87 NIGMS, Training grants, Panel Chairman and Site Visitor.
1955-94 Editor, *Neuroethology Newsletter*
1986-90 Director, Institute of Neuroscience, University of Oregon, Eugene, OR
1986-90 National Research Council, Panel member
1987-88 Hilgard Visiting Professor, Stanford University, Stanford CA.

1987-88 Visiting Professor, Neuroscience Program, University of California at San Francisco.
 1988-92 NIH, Study Section Member, Visual Sciences A-2
 1987-90 Instructor, Neural Systems and Behavior Course, Marine Biological Laboratory, Woods Hole, MA.
 1987-94 Neuroethology Society, Council Member
 1988-92 Society for Neuroscience, Chapters Committee: Member, Chairman, 1990-92
 1990-92 Association for Research in Ophthalmology and Vision, Committee on Animal Research: Member, 1989-92; Chairman, 1990-92;
 1991-00 Executive Editor, *Experimental Eye Research*
 1996-03 Director, Human Biology Program, Stanford University.
 1997-01 Executive Committee, Society for Behavioral Neuroscience
 1998-07 Editorial Board, *Brain Behavior and Evolution*
 2000- Editorial Advisory Board, *Journal of Comparative Physiology*
 2002-07 Advisory Board, Center Behavioral Neuroscience, Emory University
 2006-10 Editorial Board, *Endocrinology*, 2006-10
 2006 Editorial Advisory Board, *Zoological Science*
 2008-2015 Advisory Board, Canadian Institute for Advanced Research
 2011- Advisory Board, Max Planck Institute for Brain Research, Frankfurt
 2012- Reviewing editor, e-Life

STANFORD UNIVERSITY TEACHING AWARDS

1996-99 Bing Prize for Excellence & Innovation in Undergraduate Teaching
 1998 Cox Medal for Excellence in Fostering Undergraduate Research
 2000 Dinkelspiel Prize for Outstanding Contributions to Undergraduate Education
 2000 Outstanding Advisor, Human Biology Program
 2003-13 Bass University Fellow in Undergraduate Education
 2015 Excellence in Faculty Advising, Human Biology Program

RECENT INVITED PRESENTATIONS

2015-2016

- Neuroscience Colloquium, Columbia Univ., NY (9/30/15)
- Frontiers in Biology, Wake Forest University, NC (10/5/2015)
- Neuroscience Colloquium, Penn State, PA (10/7/15)
- Distinguished Speaker in Behavior and Brain Sciences, Cornell (10/29-30/15)
- Evolution of Social Behavior, J. Exp. Biology, Müren Switzerland (3/20-24/16)

2014-2015

- Presidential Symposium, Animal Behavior Society, Princeton University (8/13/14)
- Bielefeld Interdisciplinary Symposium: New perspectives in Behavioural Development (9/28/14)
- Keynote speaker: Life in the Aggregate: Mechanisms of Social Dynamics, Janelia Farms, HHMI (10/12/14)
- Neural circuits controlling sexual behavior, Janelia Farms, HHMI (11/12/14)
- CNS seminar, Cal Tech (11/24/14)
- Alison Doupe memorial, UCSF (1/23/15)

2013-2014

- Frontiers in Biomedical Sciences, Colorado State University (9/26/13)
- Matarazzo Lecture, Oregon Health University, Portland (10/29/2013)
- Scripps Institute, San Diego (11/5/13)
- Khodadadad Symposium on Aggression, Harvard University (12/17/13)
- Robert Wood Johnson Foundation, UCSF, (4/3/14)
- Cognition: 79th Cold Spring Harbor Symposium on Quantitative Biology (5/28/14-6/2/14)

2012-2013

- Stanford Institute for Translational Neuroscience (10/22/12)
- Symposium on Sex Differences (6/3/13)
- Marsden Lecture, Mc Gill University (3/21/13)
- Bohemian Grove Lecture (7/18/130)

2011-2012

- Department of Biology, New York University (10/17/11)
- Department of Neurobiology, Columbia University Medical School (10/19/11)
- Keynote Speaker, University of Massachusetts, Amherst 10/23/11;
- Arthur Sackler Colloquium, "Towards a new biology of social adversity," National Academy of Sciences;
- University of Illinois, 2/7/12;
- University of North Carolina, 2/9/12;
- E.A. Arbus Memorial Lecture, University of Arizona, Tucson, AZ 4/13/12
- Neuroscience Program, University of Pennsylvania, 3/27/12;
- Broad Institute, MIT/Harvard, 5/24/12;

2010-2011

- Speaker, Genes, Cognition, and Social Behavior: Next Steps for Foundations and Researchers, NSF Workshop (6/28/10)
- Speaker, Neuroscience Seminar, UCSF, (10/10/2010)
- Speaker, Evolution of Cognition Conference, U. Michigan, (10/29/2010)
- Speaker, Neurobiology of Aggression and the Social Brain, Ellison Foundation, Half-Moon Bay, CA (11/1,2)
- Frontiers in Neuroscience, Emory University, Atlanta GA (2/4/11)
- Carnegie Institute for Embryology, Baltimore, MD (2/7/2011)
- Genetics of Behavior, Center for Integrative Genomics, Lausanne, Switzerland (6/20/11-6/21/11)
- Forbes Lectures, Wood Hole Marine Biology Laboratory (7/15-16/11)

2009-2010

- Janelia Farm, Invited speaker (10/12/09)
- Keynote speaker, Zebrafish conference, San Diego (3/3/10);
- Gordon Research Conference: Genes and Behavior, Ventura CA (3/14-18/10);
- Zoology Department, San Francisco State, (4/8/10);
- UCLA, Neuroscience seminar (4/26/10);
- Symposium speaker, Keystone Symposium on Epigenetics, (4/26-30/10, Singapore);
- Cichlid genetics presentation, Broad Institute, Boston, (5/10/10);
- International Fish Behavior Meeting, (Barcelona 7/9/10- Declined);

2008-2009

- Biology of Cognition, Cell Conference, Chantilly, France (10/18/08);
- Darwin Symposium, Stanford University [in iTunes] (11/17/08);
- UCSF Ophthalmology Grand Rounds (1/8/09);
- Georgia State University Neuroscience seminar (1/13/09);
- MIT Darwin Centennial speaker (1/22/09);
- Neuroscience colloquium speaker University of Washington (2/23/09);
- UCSF Robert Wood Johnson Program (2/26/09);
- Environmental Brain and Behavior Program, Vancouver, CN (3/1/09);
- Max Planck Symposium, Berlin "Evolutionary Biology" (3/9/09);

- Harvard University Medical School Invited by graduate students (5/21/09);
- Futterman Memorial Lecture, University of Washington (5/28/09)
- CNP Social Modulation meeting, Lisbon, Portugal (6/5/09- Declined)

2007-2008

- Keynote speaker for the Harvard Department of Neurobiology Retreat, 9/28-9/07;
- Symposium speaker: Advances in Neurobiology'' presented at the annual meeting of the Society for Integrative and Comparative Biology, January 2-6, 2008, at San Antonio, Texas.
- Johns Hopkins University, Baltimore (2/7/08);
- Featured speaker: Gordon Conference on Genes and Behavior, Barga, Italy 2/23-27/08
- Speaker, Broad Institute, Cambridge Mass (3/10/08);
- Neuroscience colloquium speaker Harvard College (3/12/08);

I was invited to speak at the following events, which I declined:

- Forbes Lecture, Woods Hole, 7/2007
- Neurosensory ecology, J. Exp Biology, Tuscany, 9/12/07;
- Evolution of Brain, Behaviour and Intelligence, Wellcome Trust & Science Magazine September 12-14, 2007 Cambridge, England;
- Keynote speaker for Symposium of 20 years of Discovery, Oregon Primate Center, 9/15/07;
- Keynote speaker at the Argentine Society for Neuroscience Nov 11-13, 2007;
- NSF conference on Biology and Politics, March 6-8, 2008

2006-2007

- NIH workshop on: "The use of model organisms to study the genetic underpinnings of social behaviors" (Bethesda, 1/4-1/6/07);
- Neuroscience colloquium speaker University of California, Davis (2/10/07);
- Emory University, Center for Behavioral Neuroscience (5/18/07);
- Keynote speaker at the University of Texas (Austin) Neuroscience Retreat (3/3/07);
- Plenary speaker, Endocrinology Meeting, (Toronto, 6/4/07);

2005-2006

- Neuroscience Seminar, Princeton University (12/15/05)
- Neuroscience Seminar, University of Pennsylvania (11/10/05)
- Neuroscience Seminar, UC Davis (1/22/06)
- Neuroscience Seminar, UC Berkeley (12/15/05)
- Symposium speaker: Visual Function: Insights from the revolution in biology, Tel Aviv, Israel (6/15-17/05)

2004-2005

- Lang Lecture at Woods Hole, Marine Biological Station (8/7/04)
- Invited symposium speaker: Society for Behavioral Neuroscience (7/24-29/04)
- Invited speaker Stazione Zoologica Anton Dohrn, Naples, Italy (2/24-27/05)

2003-2004

- Invited symposium speaker, Society for Neuroscience on the Evolution of Eyes (11/6-11/11/03)
- Invited speaker: The Biology of Cichlid Fishes: Toward a Cichlid Genome Consortium," (1/31-2/4/04)
- Invited speaker, Gordon Research Conference on Genes and Behavior (2/10/04)
- Invited speaker: West Coast Nerve Net (6/20/04)

2002-2003

- Invited plenary speaker: Japanese national Neuroscience Meeting (7/5/02)
- Invited plenary speaker: International Society for Neuroendocrinology, (9/1/02)

- Symposium Speaker: Society for Comparative and Integrative Biology, Toronto, CN (1/5/03)
- Invited speaker: Oregon Health Sciences University, Portland, Oregon (5/15/03)
- Invited speaker: Oregon National Primate Research Center (5/16/03)
- Invited speaker: Society for Study of Reproduction, Cincinnati, OH (7/20/03)
- Invited symposium speaker: Neuronal Assemblies and Dynamical System Conference, University of Pennsylvania, PA (8/22-24/03)