

# CURRICULUM VITAE

NAME: DAVID JEFFREY ANDERSON, PH.D.

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Division of Biology and Biological Engineering, MC:140-18  
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## EDUCATION

1978	A.B.	Biochemical Sciences	Harvard College (advisor: D. Branton)
1983	Ph.D.	Cell Biology	Rockefeller University (advisor: G. Blobel)
1986	Postdoctoral	Molecular Biology	Columbia University, College of Physicians and Surgeons (advisor: R. Axel)

## ACADEMIC APPOINTMENTS

2017-present	Director, Tianqiao and Chrissy Chen Institute for Neuroscience
2017-present	Tianqiao and Chrissy Chen Leadership Chair
2009-present	Seymour Benzer Professor of Biology, California Institute of Technology
2004-2009	Roger W. Sperry Professor of Biology, California Institute of Technology
1996-2004	Professor of Biology, California Institute of Technology
1996-present	Investigator, Howard Hughes Medical Institute
1992-1996	Associate Professor of Biology (tenured), California Institute of Technology
1992-1996	Associate Investigator, Howard Hughes Medical Institute
1989-1992	Assistant Investigator, Howard Hughes Medical Institute
1986-1992	Assistant Professor of Biology, California Institute of Technology

## AWARDS AND HONORS

2022	NIDA Merit Award
2018	Edward M. Scolnick Prize in Neuroscience
2017	Perl-UNC Neuroscience Prize
2017	Thomas Salmon Award, New York Academy of Medicine
2016	Abraham Spector Prize, Columbia University
2012	Givaudan Prize, ACHEMS
2010	Paul G. Allen Distinguished Investigator Award
2007	Elected Member, National Academy of Sciences
2005	Alexander von Humboldt Award
2002	American Association for the Advancement of Science Fellow
2002	American Academy of Arts and Sciences Fellow
2001	Elected Associate, The Neurosciences Institute
2001	Ferguson Award for Graduate Teaching
2000	Visiting Professor, College de France
1999	Alden Spencer Award in Neurobiology, Columbia University
1998	Ferguson Award for Graduate Teaching
1996	Ferguson Award for Biology Education
1990	Charles Judson Herrick Award in Comparative Neurology
1989	Javits Investigator in Neuroscience (NIH)
1988	Pew Faculty Fellowship for Neuroscience Research
1988	Alfred P. Sloan Research Fellowship in Neuroscience
1987	Searle Scholars Award
1986	NSF Presidential Young Investigator Award
1983-86	Helen Hay Whitney Foundation Fellow
1978	NSF Pre-Doctoral Fellow
1978	A.B. Summa Cum Laude, Harvard College, Phi Beta Kappa

## SPECIAL LECTURES

2022	Keynote Lecture, Price Family Center for the Social Brain Symposium, Rockefeller University
2022	Keynote Lecture, Nobel Forum Neuropeptides Meeting, Stockholm
2022	Keynote Lecture, meeting of the society of Chinese American Physicians and Entrepreneurs (SCAPE).
2022	Keynote Lecture, European Conference on Behavioral Biology, Groningen, Netherlands
2022	Keynote Lecture, Weizmann Institute, Tel Aviv

2022 Adrian Lecture, Cambridge, UK  
 2022 Keynote Lecture, Keystone Symposium, Banff, Colorado  
 2020 Earnest C. Watson Lecture, Caltech  
 2020 Keynote Lecture, MIT Picower Institute  
 2020 Keynote Lecture, Dutch Brain, Cognition and Behavior Initiative  
 2020 Distinguished Seminar Series Lecture, UCLA  
 2019 Detlev W. Bronk Alumni Lecture in honor of Gunter Blobel, Rockefeller University  
 2019 Mong Neurotech Lecture, Cornell University  
 2019 Keynote Lecture, International Basal Metazoan Meeting, Evangelische Akademie, Tutzing Germany  
 2019 Barondes Lecture, UCSF  
 2018 Cell Press-TNQ India Distinguished Lectureship Series  
 2018 Granit Lecture, Karolinska Institute  
 2017 Sackler Lecture, Yale University  
 2017 Keynote Lecture, Francis Crick Symposium, Cold Spring Harbor, Asia  
 2016 Keynote Speaker, Brain Forum, Swiss Federal Institute of Technology  
 2016 Eric Simon Lecture, NYU Langone Medical Center  
 2016 Distinguished Neuroscience Speaker Lecture, University of Southern California  
 2015 Robert J. Terry Lecture, Washington University  
 2015 Bloomfield Lecture, Case Western Reserve University  
 2015 Teuber Lecture, MIT  
 2015 Brookhart Memorial Lecture, Oregon Health & Science University  
 2015 Keynote Lecture, UT Austin Conference on Learning and Memory, University of Texas  
 2014 Cold Spring Harbor Symposium on Quantitative Biology  
 2013 Keynote Lecture, Khododad Symposium, Harvard Medical School, Cambridge, MA  
 2013 Albert and Ellen Grass Lecture, SFN Meeting  
 2013 Keynote Lecture, Emerging Techniques Symposium, Janelia Farm  
 2013 Keynote Lecture, Hormonal Circuits Symposium, Janelia Farm  
 2012 Distinguished Speaker Lecture, Emotional Brain Institute, NYU  
 2012 Waelsch Memorial Lecture in Neuroscience, Columbia University  
 2012 Nobel Forum Lecture, Karolinska Institute, Stockholm  
 2011 Harvey Lecture, Rockefeller University  
 2011 Francis Crick Lecture, MRC, United Kingdom  
 2011 Seymour Benzer Lecture, Oberlin College  
 2011 Kuffler Lecture, Harvard Medical School  
 2010 Max Birnstiel Lecture, IMP, Vienna  
 2009 Honors Lecture, New York University School of Medicine  
 2008 Picower Lecture, MIT  
 2004 Honors Lecture, New York University School of Medicine  
 2004 Learning and Memory Picower Lecture, MIT  
 2004 The Joseph L. Melnick distinguished Guest Lecturer, Baylor College of Medicine  
 2003 Keynote Speaker, Gordon Conference on Angiogenesis  
 2003 Keynote Speaker, Gordon Conference on Neurotrophins  
 2001 Swirling Lecture, Harvard University  
 2001 Mager Lecture, Hebrew University, Jerusalem  
 1993 Donald D. Matson Lecture, Harvard University

#### **AWARD SELECTION COMMITTEES**

2015-2017 Pew Latin American Fellows Program Advisory Committee  
 2009-present Helen Hay Whitney Scientific Advisory Committee  
 2004-2008 McKnight Neuroscience of Brain Disorders Awards Selection Committee  
 2002-2007 Alfred P. Sloan Research Fellowships in Neuroscience Program Committee  
 2001-2014 Wiley Prize Selection Committee  
 1996 Sloan General Motors Cancer Research Award, Vice-Chair, Selection Committee  
 1995 Sloan Prize, General Motors Cancer Research Foundation Selection Committee

#### **ADVISORY AND EDITORIAL BOARDS**

2022 SAB Member, McLaughlin Research Institute  
 2019 SAB Member, Allen Institute for Brain Science  
 2018-2019 Working Group 2 for the Advisory Committee to the NIH Director for the Brain Initiative 2025  
 2016-present SAB Member, Kallyope Inc.  
 2016-2020 Cell Types and Connections Scientific Advisory Council, Allen Institute for Brain Science  
 2016-present SAB Member, AMGEN  
 2013-2014 Working Group 1 for the Advisory Committee to the NIH Director for the Brain Initiative  
 2011-2020 Mindscope Advisory Council, Allen Institute for Brain Science  
 2010-2014 Connectional Atlas Advisory Council, Allen Institute for Brain Science  
 2009-2011 SAB Chair, Allen Institute for Brain Science  
 2007-2009 Scientific Center Advisory Council, Allen Institute for Brain Science

2006-2009 SAB Member, Autism Consortium  
 2007-2016 Member, Scientific Advisory Board, Allen Institute for Brain Science  
 2004 California Science Center National Fear Exhibit Technical Advisory Board  
 2004 The California Stem Cell Research & Cures Act Speakers' Bureau  
 2003 Californians for Stem Cell Research & Cures Scientific Advisory Council Co-Chair  
 2002-2008 SAB Member, Allen Institute Brain Atlas  
 2002 CuresNow Scientific Advisory Board  
 2002-present The International Behavioural and Neural Genetics Society  
 2002-2006 Gene Expression International Journal of Cellular and Molecular Science Editorial Board  
 2001-2016 SAB Member, Vascular Biology Institute Board  
 2001-2006 Board of Directors, International Society for Stem Cell Research  
 2001 Hereditary Disease Foundation Scientific Advisory Board  
 1999-present Journal of Regenerative Medicine Editorial Board  
 1998-2002 Annual Reviews Editorial Board  
 1997-2016 SAB Member, Stem Cells, Inc.  
 1996-1997 CIT Presidential Search Committee Member  
 1995-present Development Editorial Board  
 1995-present Molecular and Cellular Neuroscience Editorial Board  
 1995-1997 Developmental Biology Editorial Board  
 1995-1997 American Society for Cell Biology  
 1991-present American Association for the Advancement of Science  
 1991-1997 J. Neuroscience Editorial Board  
 1990-present Society for Developmental Biology  
 1990-present Society for Neuroscience  
 1989-present Neuron Editorial Board  
 1989-2000 Cambridge Neuroscience Scientific Advisory Board

## PUBLIC OUTREACH/MEDIA

2023 Cell Press Webinar: Spatial transcriptomics and epigenetics in neuroscience, LIVE interactive webinar. February 1<sup>st</sup>, 2023  
<https://www.workcast.com/register?cpak=9705599076271836&referrer=etoc>.

2022 NPR Morning Edition Interview. April 6, 2022  
<https://www.npr.org/sections/health-shots/2022/04/06/1091086672/animal-human-emotions>

2022 JPR Interview Emotions and Science  
<https://www.ijpr.org/show/the-jefferson-exchange/2022-06-22/thu-9-am-emotions-and-their-sources-explored-in-the-nature-of-the-beast>

2022 Mind & Matter Podcast w/ Nick Jikomes "Neuroscience of Aggression, Sex, Behavior, Hormones, Emotion & Consciousness"  
<https://mindandmatter.substack.com/p/david-anderson-neuroscience-of-aggression#details>

2020 Earnest C. Watson Lecture • Caltech  
<https://www.gps.caltech.edu/news-and-events/news/watson-lecture-on-december-9-david-anderson-explores-the-inner-life-of-the-brain-fear-sex-and-violence>

2019 Video submission for Museum of Modern Art New York, R&D Salon 34 on "Anger"

2019 Interviewed on PBS NOVA "The Violence Paradox"

2019 Interviewed on NPR All Things Considered (National Edition) of NPR "Anger and Aggression in Humans and Animals"  
<http://www.npr.org/sections/health-shots/2019/01/29/688620302/fr-om-fruit-fly-to-stink-eye-searching-for-angers-animal-roots>

2015 Panel Member on PBS Charlie Rose/Eric Kandel Brain Series: "Brain Science and Society"

2015 NPR Ted Radio Hour "What Can Fruit Flies Tell Us About Human Emotions?"  
<http://www.npr.org/2015/11/06/453995372/what-can-fruit-flies-tell-us-about-human-emotions>

2014 The New York Times Science Take "A Fight Club For Flies"

- 2013 TEDx Conference at Caltech, speaker “Your Brain is More than a Bag of Chemicals”
- 2013 Scientific American “Mice Have Massage Neurons”  
<http://www.scientificamerican.com/article.cfm?id=mice-have-massage-neurons>
- 2011 The New York Times Science News “In Optogenetics, Buttons for Neural Switchboards”
- 2010 Panel Member on PBS Charlie Rose/Eric Kandel Brain Series; “The Anxious Brain”
- 2010 Natural History Museum of Los Angeles lecture series “Emotion circuits in model organisms, or do flies have feelings?”

#### **BOOKS AND ARTICLES FOR THE GENERAL PUBLIC**

Adolphs, R. and Anderson, D.J. (2018). *The Neuroscience of Emotion: A new synthesis*. N.J. Princeton Univ. Press ISBN: 978-0691174082

Anderson, D.J. (2022). *The Nature of the Beast: How emotions guide us*. New York, Basic Books. ISBN: 978-1541674639

Anderson, D.J. (2022). What can animals tell us about emotions? *Wall Street Journal* March 18, 2022