

CURRICULUM VITAE
Erich D. Jarvis
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Professor, Laboratory of Neurogenetics of Language
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EDUCATION

1979-1983 High School: Dance Major, High School of the Performing Arts, NY
1979-1983 Scholarships to Joffrey Ballet and Alvin Ailey Dance Schools, NY
1983-1988 Undergraduate: B.A., Double major: Biology & Mathematics. Minor: Chemistry. Hunter College, NY
1988-1995 Graduate: Ph.D., Molecular Neurobiology & Animal Behavior, The Rockefeller University, NY
1995-1998 Postdoctoral: Molecular Neurobiology & Animal Behavior, The Rockefeller University, NY

RESEARCH & PROFESSIONAL POSITIONS

1984-1988 Undergraduate research: Molecular biology of protein synthesis genes in bacteria; studied with Dr. Rivka Rudner, Hunter College, NY
1988-1995 Graduate research: PhD *A Window into the Molecular Biology of Song Associative Learning and Memory in Songbirds*, with Dr. Fernando Nottebohm, The Rockefeller University, NY
1995-1998 Post-Doctoral research: Molecular biology of vocal learning, with Dr. Fernando Nottebohm, The Rockefeller University, NY
1996 Research Associate, Adjunct: Hunter College, NY. Supervised lab of former undergraduate advisor Dr. Rivka Rudner for 6 months while she was on sabbatical.
1998-2002 Assistant Professor, Adjunct: The Rockefeller University, NY
1998-2005 Assistant Professor, Department of Neurobiology, Duke University Medical Center (DUMC), NC
1999-2005 Assistant Professor, Fellow: Center for Cognitive Neuroscience, Duke University, NC
2000-2005 Assistant Professor, Center for Bioinformatics & Computational Biology, Duke University, NC
2000-2005 Assistant Professor, Allied Faculty: Psychological & Brain Sciences, Duke University, NC
2001-2005 Assistant Professor, Faculty: Development Biology Program, DUMC, NC
2008-present Investigator, Howard Hughes Medical Institute (HHMI). Successful renewal in 2015 & 2021
2011-2019 Visiting Researcher, RIKEN Brain Science Institute, Wako, Japan.
2016 Full Professor, Tenure: Neurobiology & departments above, Duke University, NC
2016-present Full Professor, Tenure: Laboratory of Neurogenetics of Language, The Rockefeller University, New York, NY
2017-present Director, The Rockefeller University Field Research Center, Millbrook, NY
2017-present Co-director, The Rockefeller Vertebrate Genome Laboratory, New York, NY

TEACHING & RELATED COMMITTEES

1992-1998 Trained inner-city high school students of under-represented backgrounds to gain laboratory research experience, Science Outreach Program of NY
1998-2016 Trained high school, undergrad & graduate students in neuroscience research, DUMC, NC
1999-2008 Medical student core neuroscience course, DUMC, NC
2000-2015 Graduate Student Steering Committee, Department of Neurobiology, DUMC, NC
2000-2015 Graduate Student Admissions Committee, Department of Neurobiology, DUMC, NC
2000-2003 Cognitive neuroscience graduate course, Duke University, NC
2001-2002 Graduate core neuroanatomy course, DUMC, NC
2001-2005 Undergraduate neuroscience course, DUMC, NC
2001 Graduate neuroethology course, DUMC, NC
2006-2008 Graduate neuroscience lecture training course, DUMC, NC
2006-2008 Graduate student core neuroscience course, DUMC, NC

- 2008-2013 Director, Graduate Concepts in Neuroscience course: Cellular & Molecular Neurobiology, DUMC, NC
- 2013, 2016 Vocal learning graduate course, Department of Neurobiology, DUMC, NC
- 2013-2016 Synaptic plasticity graduate course, Department of Neurobiology, DUMC, NC
- 2019 GEN Talks on the new age of genomics (offered online), Hunter college, CUNY, NY.
- 2020 Development of CNS Circuits (Hatten organizer), Rockefeller University, NY
- 2021 Co-director, Fundamentals of Neuroscience graduate student course, Rockefeller, NY

MEMBERSHIPS, ADVISORY & EDITORIAL BOARDS, CONSULTING, & COMMITTEES

- 1988 As undergrad, organized first Hunter College MBRS/MARC Science Day Symposium
- 1990 As grad, organized first Rockefeller University Space Science Lecture Series
- 1988-present Member, Society for Neuroscience
- 1998-2014 Member, J.B. Johnston Neuroscience Organization
- 1999-2006 Organizer, Avian Brain Nomenclature Consortium that changed the 100-year old outdated understanding of the avian and thus vertebrate brain evolution
- 1999-2002 Council Member, Duke University President’s Council on Black Affairs, NC
- 2001-2005 Founding Member, Black Collective at Duke (BCD), Duke University, NC
- 2003-2008 Member, Society for Advancement of Chicanos & Native Americans (SACNAS)
- 2004-2008 International Society for Neuroethology
- 2004-2006 Invited Advisor, NSF Task Group for Enhancing Support for Transformative Research.
- 2005-2006 Elected Member, Duke University Medical Center Basic Sciences Faculty Steering Committee
- 2005-2014 Committee on Diversity in Neuroscience (C-DIN), The Society for Neuroscience. Renamed Diversity in Neuroscience Subcommittee (DINS) in 2009.
- 2006, 2008 Invited Panelist, NIH Director’s Pioneer Award Reviewer
- 2007 Invited Panelist, NIH Director’s New Innovator Award Reviewer
- 2007 Invited Advisor, NIH Fostering Innovation Workshop.
- 2007-2008 Advisory Committee to the NIH Director (ACD; Elias Zerhouni): Subcommittee on Peer Review; Reviewed, developed and recommended new mechanisms for funding more innovative and transformative research, and implemented by NIH beginning 2009.
- 2008-present Nominated member, The Dana Alliance for Brain Initiatives
- 2008-2014 Director and PI, Neuroscience Scholars Program, The Society for Neuroscience
- 2009-2012 Duke Center for Proteomics Board
- 2011-2012 NIMH National Advisory Mental Health Council, ad-hoc.
- 2010-present Genome 10K/Vertebrate Genomes Project (VGP); Co-PI 2014-2016; Chair 2017-present
- 2013-present External Advisory Committee for Science, Hunter College, NY
- 2013-2018 ENSEMBL database Science Advisory Board
- 2013-present Editorial Board, the Journal of Comparative Neurobiology
- 2013-present Editorial Board, Neuroscience Research
- 2013 NSF workshop on Obama Brain Mapping Initiative
- 2013-present Co-coordinator and co-founder of B10K project to sequence genomes of all bird species.
- 2014-2015 Distinguished Editor, Editorial Review Board, NIH Director’s New Innovator Award
- 2014-present Advisory Board, Society for Neuroscience – Neuroscience Scholars Program.
- 2014-2016 Duke Basic Sciences Faculty Steering Committee
- 2014-2016 Duke Medical School Deans Advisory Council on Underrepresented Minority Faculty
- 2015-present Editorial Board of Language Sciences, Frontiers in Psychology
- 2018-2020 Reviewing Editor, eLife
- 2018-present Rockefeller Inclusive Science Initiative (RISI) faculty director
- 2019-2020 NHGRI Genomics2020 strategic planning meetings for next decade
- 2019-present Neurobiology of Language journal, Editorial Board, Senior Editor
- 2019-present Packard Foundation, Science Advisory Panel
- 2020-present *Science* magazine, Board of Reviewing Editors
- 2020-present Allen Institute for Brain Science, Advisory Board (Chair in 2022)
- 2020-present The Scientist, Editorial Advisory Board
- 2021-present Packard Foundation Justice, Equity, Diversity and Inclusion (JEDI) Council
- 2021-present External Advisory Board for Mt Sinai NIH FIRST program for enhancing diversity
- 2021-present PLoS Biology Editorial Review Board

AWARDS & HONORS

- 1984 NIH-Minority Biomedical Research Support (MBRS) Traineeship
- 1986 First Place Award for Excellence in Biomedical Research, NIH-MBRS Annual Symposium
- 1986 NIGMS-Minority Access to Research Careers (MARC) Honors Undergraduate Fellowship
- 1988 MARC-NIGMS Pre-Doctoral National Research Service Award
- 1988 FORD Foundation Pre-Doctoral Fellowship
- 1995 Society for Neuroscience Travel Fellowship for Under-Represented Scientists
- 1995 NIMH Dissertation Grant
- 1995 NIMH Neuroscience Postdoctoral Training Grant
- 1995 Rockefeller University Kluge Postdoctoral Fellowship
- 2000 George H. Hitching's Young Investigator Award, NC Triangle Foundation, one person/year
- 2000 Esther & Joseph Klingenstein Award in Neuroscience
- 2000 Whitehall Foundation Award in Neuroscience, 2nd highest score
- 2000 David and Lucille Packard Foundation Award
- 2000 Hall of Fame: Hunter College Search for Education, Elevation & Knowledge (SEEK), NY
- 2001 Duke University Provost Bioinformatic Award
- 2002 Duke University Provost Computational Biology Award
- 2002 Hall of Fame: Alumni Association of Hunter College
- 2002 Human Frontiers in Science Program Young Investigators Award
- 2002 NSF Alan T. Waterman Award. NSF's highest award for young investigators given annually to one scientist or engineer under the age of 35 who made a significant discovery/impact in science. Awarded for molecular approach and findings to map brain areas involved in behavior.
- 2002 Wall of Fame: Duke University Medical Center
- 2003 The 2003 Distinguished Alumni Award of the City University of New York
- 2004 Intranet Linguists of the Year for 2004
- 2005 Dominion Award: Strong Men and Women of Excellence: African American Leaders. Prior awardees include Arthur Ash, Maya Angelou, Oprah Winfrey, and Michael Jordan.
- 2005 American Philosophical Society Award
- 2005 NIH Director's Pioneer Award. Given annually to top ~1.5% of applicants.
- 2005 NOVA Science Now documentary of Dr. Jarvis and his research.
- 2005 National Science Foundation top 10 science stories of 2005; avian/vertebrate brain evolution.
- 2006 Discover magazine top 100 science discoveries of 2005; avian brain nomenclature listed at #51.
- 2006 Diverse magazine's top 10 emerging scholars of 2006.
- 2006 Popular Science Magazine's Brilliant 10 of 2006 under the age of 45
- 2006 People Magazine's, Sexiest Brain Researcher, 2006.
- 2007 Mental Floss Magazine's 10 Trail blazing scientist of 2007
- 2007 Creator Synectics' top 100 geniuses
- 2008 HHMI Investigator Award
- 2009 Ruth & A Morris Williams Prize. Duke University Medical Center's highest award under the age of 45
- 2009 Duke University's 50 most powerful living men & women, past & current, Duke Towerview magazine
- 2010 History Makers Documentary: African American Leaders in Science. Chicago, IL
- 2010 North Western University "Distinguished Role Model in Science" award. Evanston, IL
- 2013 Futurish magazine's 2014 Citizens of the Next Century (<http://www.future-ish.com/2010/12/next-century-citizens.html>)
- 2014 Co-recipient of Summit Award from the American Society for Association Executives (ASAE) for the Society for Neuroscience's Neuroscience Scholars Program, for URM.
- 2015 Science magazine working life article on Jarvis. **Science by any means necessary.** (2015) *Science* 347 (6222):686. <http://www.sciencemag.org/content/347/6222/686.short>
- 2015 Science Careers article on Jarvis. **Following the birdsong of Science.** (2015) http://sciencecareers.sciencemag.org/career_magazine/previous_issues/articles/2015_01_19/cared-it.a1500015
- 2015 American Society for Cell Biology's Ernest Everett Just award for impact on diversity in science
- 2016 Langford Award: Duke University's outstanding research for full professor promotion
- 2018 W.M. Keck Foundation Award for high risk neuroengineering project
- 2018 USA Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring

- representative for the Society for Neuroscience Neuroscience Scholars Award
- 2019 NHGRI Human Pangenome Reference Consortium Award (only 1 awarded; Co-I)
- 2019 [NIH Directors Transformative Research Award](#)
- 2020 [Science of vocal learning, Netflix's Babies documentary series.](#)
- 2020 [Cell Mentor's 100 Inspiring Black Scientist in America](#)

NAMED, HONORARY, & KEYNOTE LECTURES (112 out of >280 invited lectures since 1996)

- 1999
 - Speaker: International Emperor's Award in Biology, Nagoya, Japan
- 2000
 - Plenary Speaker: Research Centers for Minority Institutions (RCMI)-Symposium, Puerto Rico
- 2001
 - Distinguished Speaker: 10th Annual Puerto Rico Neuroscience Conference, Isle Verde, PR
 - Plenary Lecturer: Atlantic Symposium on Computational Biology, Genome Systems & Tech, NC
- 2002
 - Baptista Memorial Symposium: International Ornithology Conference, Beijing, China
 - Lecture and Discussant: Gordon Research Conference in Neuroethology, Oxford, UK
 - Leaders in Scientific Discovery: Conversations with two nobel laureates (Cech & Gilman) and a Waterman awardee (Jarvis). Celebrating 40 years of NIGMS & 30 of MBRS, New Orleans, LA
 - Lecturer: The National Academy of Science's US-Japan meeting, Irvine, CA
 - Keynote Speaker: Duke University Undergraduate Visitation Week, minority student recruitment.
- 2003
 - Topical Lecturer: AAAS meeting, Denver, CO
 - Keynote Speaker: National Science Foundation, African American History Month Series, Washington, DC
 - Keynote Speaker: Howard University Graduate School, Washington, DC
 - Keynote Speaker: Society for Advancement of Chicanos & Native Americans, Albuquerque, NM
- 2004
 - The ISIS 2004 Keynote Inspirational Speaker: University of North Carolina, Chapel Hill, NC
 - The 2004 Howard Hughes Professor's Lecture: Columbia University, New York, NY
 - Keynote Speaker: NC Health Careers Access Program, Greensboro, NC
- 2005
 - The 2005 Chancellor's Scholars Lecturer: Fayetteville University, Fayetteville, NC
 - Keynote Speaker: Education for Sustainable Development Conference, Yale University, CT
 - Keynote Speaker: NIMH intramural annual conference, Gettysburg, VA.
 - Keynote Speaker: Society of Neuroethology Congress, Budapest, Hungary.
 - Langford Lecture Provost Award: Duke University's outstanding research for tenure promotion.
 - Keynote Speaker: RCMI 20th Anniversary Symposium, City College, NY
 - Annual Duke Perkins Library Lecturer, Duke University, Durham, NC.
- 2006
 - Keynote Speaker: HBCU-UP National Research Conference, Baltimore, MD
 - Keynote Speaker: National Institutes of Aging, Black History Month Lecturer, Bethesda, MD
 - NIMH Director's Lecturer, Bethesda, MD
 - NIDCD Council Lecturer, Bethesda, MD
 - Plenary Lecturer: 24th International Ornithology Congress, Hamburg, Germany
 - Distinguished Lecturer: NC Central University, Durham, NC
 - The 2006 James Holland Memorial Lecturer, Indiana University, Bloomington, IN
 - Symposium Speaker: Deciphering Evolution, American Society for Cell Biology, San Diego, CA
- 2007
 - Keynote Speaker: 2007 NEURON Conference, Simmons College, Boston, MA
 - Keynote Speaker: 2007 Beta Kappa Chi Honor Society & National Institute of Science Conference, Greensboro, NC
 - The 2007 Darwin Day Lecturer: Virginia Commonwealth University, Richmond, VA
 - BioX Lecturer: Stanford University, Stanford, CA
 - Honored Guest Speaker: Adventures of the Mind youth conference, Morehouse University, GA
 - Public Symposium Speaker: Conference on Birdsong, Speech, & Language, Utrecht, Netherlands
 - Keynote Speaker: University of Colorado HSC, Annual Neuroscience Retreat, Keystone, CO.

- Keynote Speaker: National Association of Biology Teachers, Atlanta, GA
 - Symposium Speaker: International Seminar on Language Evolution, St. Andrews, UK
- 2008
- The 2008 Dodgen Lecturer: Mississippi Academy of Sciences, Olive Branch, MS
 - Keynote Speaker: Biology Leadership Conference, Ilse of Palms, SC
 - Keynote Speaker: South East Nerve Net Conference, Atlanta, GA
 - Keynote Speaker: NIGMS Institutional Research & Academic Career Development Awards Conference, UNC Chapel Hill, NC
 - The 2008 Martinez-Townsel Endowed Lecturer, MBL, Cold Spring Harbor, MA
 - Friday Evening Lecturer, MBL, Cold Spring Harbor, MA
 - Presidential Symp Lecturer: Society for Behavioral Neuroendocrinology, Groningen, Netherlands
 - FENS Symposium Speaker: Developing and Wiring the Brain, Geneva, Switzerland
 - Plenary Lecturer: 11th RCFI Symposium on Health Disparities, Honolulu, Hawaii
- 2009
- Keynote Lecturer: Annual Neonatal-Perinatal Research Conference, Duke University, NC
 - National Academy of Science (NAS) Evolution of Medicine Lecturer, Celebrating Darwin's 200th Birthday, Washington, DC
 - New Scientist's Magazine Keynote: 1st NYC Minority Graduate Student Network conference, NYU Langone Medical Center, New York, NY
 - Keynote Speaker: Neonatal Perinatal Institute Annual Lecture, Duke University, Durham, NC.
 - Keynote Speaker: HHMI summer EXROP conference, Chevy Chase, MD
 - Keynote Speaker: NC Triangle Area HHMI Alumni Conference, Durham, NC.
 - 200th Birthday Celebration Lecture. Darwin's Evolution, Swedish Museum of Natural History, Stockholm, Sweden
 - Keynote Speaker: AUDUBON North Carolina Statewide Conference, Durham, NC.
 - Keynote Speaker: American Ornithology Union Conference, University of Pennsylvania, PA
 - Barack Distinguished Lecturer: University of Vermont, Burlington, VT
 - Invited symposium lecturer, Darwin and Brain Evolution, Society for Neuroscience, Chicago, IL
 - World Science Festival Speaker: Avian Einstein's, New York University, NY
- 2010
- 1st USA Science and Engineering Festival, Meet the Scientist, Washington, DC
 - Scientist Role Model. Science Makers, African Americans in Science, Chicago, IL.
 - Plenary Speaker: Roche 454 Sequencing Corp. North American Users Group Meeting. Providence, RI.
 - Symposium Speaker: Neuroethology Congress, Salamanca, Spain.
 - Plenary Speaker: 11th Science of Aphasia Conference, Potsdam, Germany.
 - Symposium Speaker: NIH symposium, 25th Anniversary of OLAW "Animal Welfare and Scientific Research, Bethesda, MD.
 - The 2011 Distinguished Role Model in Life Sciences Lecturer, Northwestern University, Chicago, IL.
- 2011
- Roche 454 Sponsored Speaker: Plant and Animal Genome Meeting, San Diego, CA
 - University-Wide Keynote Speaker: Morris College Science in Action Week, Sumter, SC.
 - The 2011 Karlovitz Memorial Lecturer: Georgia Institute of Technology, Atlanta, GA.
 - The 2011 Juanita Greer White Memorial Lecturer: University Nevada, Las Vegas, NV
 - The 2011 Schmidt-Nielson Memorial Lecture: Duke University, Durham, NC
 - Keynote Speaker: North Carolina High School Science Festival, Durham, NC
 - Keynote Speaker: Annual Baylor Graduate School of Biomedicine Symposium, Houston, TX
 - Symposium Speaker: 30th Anniversary Scholars in Neuroscience Symposium, Society for Neuroscience, Washington, DC.
- 2012
- The 2012 Isabelle Sprague Lecturer: Mt Holyoke College, South Hadley, MA
 - NIH Director's Wednesday Afternoon Lecture Series, Bethesda, MD
 - Keynote Lecturer: Pacific Rim Brain and Evolution Science Conference, Tokyo, Japan
 - Plenary Lecture: Biennial Symposium on Brain and Mind in the Asia and Pacific, Tokyo, Japan.
 - Keynote Lecturer: Avian Systems Biology Conference, Nagoya, Japan
 - Distinguished Neuroscience Lecturer: University Texas, San Antonio, TX

- Keynote Lecture: Duke Bouchet Society Black Tie Dinner, Durham, NC
- 2013
- The 2013 Curtis L. Parker Lecturer: Morehouse School of Medicine, Atlanta, GA
 - Symposium Speaker: AAAS meeting, Language Organ, Boston, MA
 - Keynote Speaker: Graduate Student Symposium, University Maryland Baltimore County, MD
 - Congressional Hearing Lecture: Diversity in Science, Washington, DC
 - Keynote Speaker: SPIRE Summer Research Program, University North Carolina, NC.
 - Symposium speaker: 20th Anniversary of Institute Symposium, Networks in the Nervous System, National Autonomous University of Mexico, Queretaro, Mexico.
- 2014
- Featured Speaker: USA Science & Engineering Festival Nifty Fifty Event, Woodrow Wilson High School, Washington DC
 - Commencement Speaker: University of Texas San Antonio's Medical Center graduate student graduation, San Antonio, TX
 - Public Lecture: Ensembl Science Public Lecture Day, Wellcome Trust, Hinxton, UK
 - Keynote speaker: Ultrasonic Communication in Rodents Meeting, Tokyo, Japan
 - Distinguished lecturer: 126th International Ornithological Congress, Tokyo, Japan
 - Brain & Behavior Distinguished Lecture Series, Georgia State University, Atlanta, GA
 - New Horizons in Science Speaker: Shaking the bird family tree, ScienceWriters Conference, Columbus, OH.
 - Symposium Lecture: Evolution of Nervous Systems, Society for Neuroscience, Washington, DC
 - Smithsonian Lecture for Opening Ceremony of Institute of Biodiversity Genomics, and Special avian genomes issue in *Science* magazine, Washington, DC
- 2015
- Plenary Lecture: Advances in Genome Biology & Technology Conference (AGBT), Marco, FL
 - Distinguished Fellow SAGE Speaker: SAGE Center for the Study of the Mind, University of California, Santa Barbara, CA
 - Keynote Speaker: University of Alabama 1st NEURAL conference, Birmingham, AL
 - Symposium Speaker: 3rd Annual Cracking the Neural Code Symposium, Stanford, CA
 - Sharon Silbiger Lecture Award: Albert Einstein College of Medicine, New York, NY
 - Theodosia Hamilton Hadley memorial lecturer award: Western Michigan University, MI
 - Ernest Everett Just Lecture Award: American Society For Cell Biology, San Diego, CA
 - Donders Lecturer: Max Planck Institute for Psycholinguistics, Nijmegen, The Netherlands
- 2016
- Plenary Lecturer: Plant & Animal Genome Meeting, San Diego, CA
 - Martin Luther King Jr. Lecturer: Virginia Tech, Blacksburg, VA
 - Plenary Speaker: Evolution of Language conference, New Orleans, LA
 - Deans Award Lecture in Neuroscience, LSU Medical School, New Orleans, LA
 - Keynote Speaker: Avian Model Systems conference, Taipei, Taiwan (sponsor Academia Sinica)
 - Ed Arbus memorial lecturer: University of Arizona, Tuscon, AZ
 - Symposium in my honor: Seoul National University, South Korea.
 - Mt Sinai Friedman Lecture Award: Mt Sinai University, New York, NY
- 2017
- Plenary Lecture: Earth Global Biodiversity Conference, Smithsonian, Washington, DC
 - Plenary Lecture: IEEE Aerospace Conference, Big Sky, Montana.
 - Keynote: Geneseo State University GREAT Day. Jack & Carol Kramer Endowed Lectureship
 - Plenary Lecture, Society for Biological Psychiatry, San Diego
 - Konishi Endowed Lecturer, Marine Biological Labs', Woods Hole, MA
 - Presidential Lecture: Brown University– Thinking out Loud, Providence, RI
 - Presidential Lecture: Society for Neuroscience, Washington DC
- 2018
- Harvey Society Lecturer, NY
 - Rockefeller University Friday Lecturer, NY
 - Keynote Lecture, International Avian Model Systems Conference, Institute Pasteur, Paris, France

- Plenary Speaker, Annual Biomed Res Conf for minority Students (ABRCMS), Indianapolis, IN
 - Symposium Speaker, NIMH Neurodevelopment Conference, Bethesda, MD
 - Distinguished Lecturer, UCLA Brain Institute 30th Annual Neuroscience Conference, CA
- 2019
- NYU School of Medicine Honors Lecturer, NY
 - Keynote speaker, Hunter College's Undergraduate STEM Research Conference, NY
 - The 2019 Gavin Lecture Awardee in Cell and Molecular Biology, Brooklyn College, NY
 - The 2019 Morgan Science Lecture, university-wide, Appalachian State University, Boone, NC
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- 2020
- Allen Institute for Brain Science Distinguished Lecture, Seattle, WA
 - Netflix series "Babies", Episode 4, "First Words"
 - Keynote Lecture, Leiden Pacific Biosciences Conference, recorded online because of COVID-19
 - Keynote Lecture, Telomere-to-Telomere (T2T) Genome Workshop, online
 - Plenary Lecture, Human Pangenome Reference Consortium, online
 - Plenary Lecture, Biodiversity Genomics 2020 meeting, online
 - Black Brain and Behavioral Scientists Webinar, online
 - Science Rules with Bill Nye, Episode 46, How We Humans Got our Voices
 - Marine Biological Labs Friday Lecture Series, On Evolution of Language, online
 - Bodies at Risk, UMASS, conversation with Larissa FastHorse & Erich Jarvis, Arts & Science, online
- 2021
- Plenary Lecture, H3Africa, Annual meeting, online
 - Plenary 2021 CUNY commencement speech Biology PhDs, NIH BRAIN Initiative Investigators Meeting, online
 - Keynote Lecture, Cognitive Science Society
 - 50th Anniversary celebration lecture for the Society for Neuroscience
 - Keynote Lecture, Society for the Neurobiology of Language
 - Keynote Lecture, Standford, Berkley, UCSF Next Generation Lecturers
 - NIH OBSSR Director's Webinar Series
 - 2021 CUNY commencement speech Biology PhDs
 - Keynote Lecture, Cognitive Science Society
 - Plenary, NIH Brain Initiative Investigators Meeting
 - Iowa City Darwin Day Lecture
- 2022
- Penn State 2022 Russel E. Marker Lecture in Biology, PA
 - Monday Lecture Series, The Rockefeller University, NY
 - Tracy and Ruth Storer Lecture 2022, UC Davis, CA
 - Distinguished John H. Blaffer Seminar, MD Anderson Cancer Center, TX

WEB SITES

Jarvis Lab: <http://www.jarvislab.net/>

Avian Brain Hub: <http://avianbrain.org/>

Songbird Brain Transcriptome Database: <http://songbirdtranscriptome.net>

Comparative avian genome resource: <http://aviangenomes.org/>

Avian phylogenomics: <http://avian.genomics.cn/en/index.html>

B10K bird all 10,000 genomes project: <http://b10k.genomics.cn>

G10K vertebrate 10,000 genomes project: <https://genome10k.soe.ucsc.edu>

GenomeArk: <https://vgp.github.io/genomeark/>

PUBLICATIONS

Peer-reviewed publications: pdfs can be found at <https://www.jarvislab.net/publications>
Google scholar list of publications: <https://scholar.google.com/citations?user=cI-fi9MAAAAJ&hl=en>

Publications from undergraduate research

1. LaFauci G, Widom RL, Eisner R, **Jarvis ED**, Rudner R. [Mapping of rRNA genes with integrable plasmids in *Bacillus subtilis*](#). (1986) *J. Bacteriol.* 165:204-214.
2. Widom RL, **Jarvis ED**, LaFauci G, Rudner R. [Instability of rRNA operons in *Bacillus subtilis*](#). (1988). *J. Bacteriol.* 170:605-610.
3. **Jarvis ED**, Widom R, LaFauci G, Setoguchi Y, Richter IR, Rudner R. [Chromosomal Organizations of rRNA operons in *Bacillus subtilis*](#). (1988) *Genetics* 120:625-635.
4. Rudner R, **Jarvis ED**, Widom RL. Chromosomal organization and spontaneous deletions of *rrn* operons in *Bacillus subtilis*. (1988) In: *Genetics and Biotechnology of Bacilli* Vol 2. JA Hoch, AT Ganesan (eds). Academic Press, San Diego. pp. 115-120.
5. **Jarvis ED**, Cheng S, Rudner R. [Genetic structure and DNA sequences at junctions involved in the rearrangements of *Bacillus subtilis* strains carrying the *trpE26* mutation](#). (1990) *Genetics* 126:785-797.
6. Rivas MV, **Jarvis ED**, Rudner R. [The structure of the *trpE*, *trpD* and 5' *trpC* genes of *Bacillus pumilus*](#). (1990) *Gene* 87:71-78.
7. Rudner R, Severestt A, Buchholz S, Studamire B, White AM, **Jarvis ED**. [Two tRNA gene clusters associated with ribosomal RNA operons *rrnD* and *rrnE* in *Bacillus subtilis*](#). (1993) *J. Bacteriol.* 175:503-509.
8. Rudner R, Studamire B, **Jarvis ED**. [Determination of restriction fragment length polymorphisms in bacteria using ribosomal RNA genes](#). (1994) *Methods in Enzymology* 235:184-196.

Publications from graduate research

9. **Jarvis ED**, Mello CV, Nottebohm F. [Associative learning and stimulus novelty influence the song-induced expression of an immediate early gene in the canary forebrain](#). (1995) *Learning & Memory* 2:62-80. *Cited by the journal as one of the top 10 articles of the year.*
10. Chew SJ, Mello CV, Nottebohm F, **Jarvis ED**, Vicario D. [Decrements in auditory responses to a repeated conspecific song are long-lasting and require two periods of protein synthesis in the songbird forebrain](#). (1995) *Proc. Natl. Acad. Sci.* 92:3406-3410.
11. Rivas M, **Jarvis ED**, Morisaki S, Carbonado H, Gottlieb AB, Krueger J. [Identification of aberrantly regulated genes in diseased skin using the cDNA differential display technique](#). (1997) *J. Invest. Derm.* 108:188-194.

Publications from postdoctoral research

12. **Jarvis ED**, Nottebohm F. [Motor-driven gene expression](#). (1997) *Proc. Natl. Acad. Sci.* 94:4097-4102.
13. **Jarvis ED**, Schawbl H, Ribeiro S, Mello CV. [Brain gene regulation by territorial singing behavior in freely ranging songbirds](#). (1997) *Neuroreport* 8:2073-2077.

14. Holzenberger M, **Jarvis ED**, Chong C, Grossman M, Nottebohm F, Scharff C. [Selective expression of insulin-like growth factor II in the songbird brain](#). (1997) *J. Neurosci.* 17:6974-6987.
15. Mello CV, **Jarvis ED**, Denisenko N, Rivas M. [Isolation of song-regulated genes in the brain of songbirds](#). (1997) In: *Methods in Molecular Biology, Differential Display Methods and Protocols*. Liang P, Pardee AB (eds), Humana Press, NJ. 85:205-217.
16. **Jarvis ED**, Scharff C, Grossman M, Ramos JA, Nottebohm F. [For whom the bird sings: context-dependent gene expression](#). (1998) *Neuron* 21:775-788. *News and views in Neuron, Schmidt 2008*.
17. Rudner R, Martsinkevich O, Leung W, **Jarvis ED**. [Classification and genetic characterization of pattern forming Bacilli](#). (1998) *Molec. Microbio.* 27:687-703.
18. Rudner R, **Jarvis ED**. Bacterial Pattern Formation: Letter to the Editors. *Scientific American*. Feb, 1999. (commentary)
19. Mello CV, **Jarvis ED**. [Applying differential display to brain research](#). (1999) In: *Techniques for Behavioral and Neural Sciences*. Crusio WE, Gerlai RT (eds). Elsevier Science, Netherlands, Amsterdam. 13:200-211.
20. Krebs CJ, **Jarvis ED**, Pfaff DW. [The 70 kDa heat shock cognate protein \(Hsc73\) gene is enhanced by ovarian hormones in the ventromedial hypothalamus](#). (1999) *Proc. Natl. Acad. Sci.* 96:1686-1691.
21. Krebs CJ, **Jarvis ED**, Chan J, Lydon JP, Ogawa S, Pfaff DW. [A membrane-associated progesterone-binding protein, 25-Dx, is regulated by progesterone in brain regions involved in female reproductive behaviors](#). (2000) *Proc. Natl. Acad. Sci.* 97:12816-12821.
22. Li XC, **Jarvis ED**, Alvarez-Bordo B, Lim D, Nottebohm F. [A relation between behavior, neurotrophin expression and neuronal survival](#). (2000) *Proc. Natl. Acad. Sci.* 97:8584-8589.
23. **Jarvis ED**, Mello CV. [Molecular mapping of brain areas involved in parrot vocal communication](#). (2000) *J. Comp. Neurol.* 419:1-31. *Cover photo*.
24. Nehrbass N, **Jarvis ED**, Scharff C, Nottebohm F, Mello CV. [Site-specific retinoic acid production in the brain of adult songbirds](#). (2000) *Neuron* 27:359-370.

Publications from Assistant Professor research at Duke

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- <http://www.worldsciencefestival.com/2014/12/top-science-2014/>. Popular science author/blogger Tim How selected Jarvis et al as “The most important work on birds this century” <http://www.timlow.com/blog/entry/bird-research-of-the-century>. Designated by Thompson Scientific as among the top 1% highly cited papers in their academic field (molecular biology and genetics) and a hot paper among the top 0.1% as of Nov/Dec 2014, controlled for publication year.
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