

NAME AND CURRENT APPOINTMENTS**Daniel Jarosz, PhD**

Professor and Senior Associate Dean for Basic Science
 Department of Chemical & Systems Biology
 Department of Developmental Biology
 Stanford University

Member Stanford Cancer Institute, Wu Tsai Neurosciences Institute, and Bio-x
 Fellow Sarafan ChEM-H

CONTACT INFORMATION AND IDENTIFIERS*Mailing Address*

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 scholar.jarosz.io (Google scholar)

Identifiers

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EDUCATION AND TRAINING

- 1/08-12/12 **Whitehead Institute for Biomedical Research**, Cambridge, MA, USA
 Postdoctoral, sponsored by Damon Runyon Cancer Research Foundation
Advisor: Susan Lindquist | Protein folding in evolution and disease
- 9/01-6/07 **Massachusetts Institute of Technology (MIT)**, Cambridge, MA, USA
 PhD, Biological Chemistry
Advisor: Graham Walker | Molecular mechanisms of mutagenesis
- 9/97-6/01 **University of Washington**, Seattle, WA, USA
 Bachelor's with distinction in Chemistry, Biochemistry; Minor, mathematical Physics
Advisor: Rachel Klevit | NMR studies of BRCA1 and Calmodulin

ACADEMIC AND VISITING APPOINTMENTS

- 01/26- **Professor**
 Departments of Chemical & Systems Biology and of Developmental Biology
 Stanford University, Stanford, CA, USA
- 12/19-12/25 **Associate Professor** with tenure
 Departments of Chemical & Systems Biology and of Developmental Biology
 Stanford University, Stanford, CA, USA
- 02/20-12/20 **Gastprofessor**
 D-BIOL / Institut für Biochimie
 Eidgenössische Technische Hochschule (ETH), Zürich, Switzerland
- 2/13-11/19 **Assistant Professor**
 Initial appointment (2/13-12/16) and reappointment (1/17-11/19)
 Departments of Chemical & Systems Biology and of Developmental Biology
 Stanford University, Stanford, CA, USA

LEADERSHIP AND ADMINISTRATIONAppointments

- 09/25- **Senior Associate Dean for Basic Science**
Inaugural role advancing faculty development, innovation, and cross-disciplinary collaboration across the basic science community in Stanford's School of Medicine
- 2025-2027 **Senator, Stanford Faculty Senate**

Elected by write-in campaign to serve on the university's 54-member legislative body for academic and research policy

2016-2025 Executive Committee for School of Medicine Faculty Senate

Represented my departments in the School of Medicine Faculty Senate and served on its Executive Committee, where I helped to set the Senate's agenda as well as draft white papers and policy proposals

Chaired Committees and Task Forces

2026- Chair, Major Awards Committee

Selects faculty to nominate for external awards that do not involve internal competition

2026-2027 Co-Chair, Healthspan Faculty Working Group

Charged with developing an integrated plan for aging research and clinical practice

2023-2025 Chair, Assistant Professor Review Committee

School-wide review panel governing all assistant professor faculty searches, initial appointments, and reappointments across tenure lines.

2022-2026 Chair, Committee on Graduate Admissions and Policy

Office of Biosciences Graduate Education

Steering committee governing graduate admissions and policy across Stanford's 14 biosciences PhD programs in the Schools of Medicine and Humanities & Sciences

2020-2026 Director of Graduate Studies

Oversaw changes in the Chemical & Systems Biology PhD curriculum, qualifying examinations, and degree requirements, among other program policies

2016-2021 Chair of Graduate Admissions

Directed PhD admissions for Chemical & Systems Biology, from application review and interview selection through recruitment and final cohort matriculation

Seminars and Symposia

2024-2025 Co-organizer, Basic Sciences Faculty Retreat

Annual retreat for all biosciences faculty at Stanford

2017-2021 Co-organizer of the Sterling Visiting Professorship

Selected and hosted visiting artists for week-long residencies in the School of Medicine, including lectures, immersive workshops, and other forms of creative exchange with faculty and trainees

2017-2020 Co-organizer of the Microbial Molecular Biology Seminar Series

Revitalized this historic weekly seminar series founded over 40 years ago by Charles Yanofsky, increasing trainee attendance by > 50%

External

2026-2028 Co-Vice Chair → Chair, Mutagenesis Gordon Research Conference (GRC)

2026 Co-Chair, Aging Program, ASBMB National Meeting

2023-2025 Co-Vice Chair → Chair, Molecular Mechanisms in Evolution GRC

2022-2026 Secretary, L-antigen Related Proteins Society (LARPSOC)

2019 Co-chair, Intracellular Organization and Quality Control, ASCB/EMBO Annual Meeting

2017-present Editorial Board, PLOS Pathogens

2013-present Senior scientific advisor/consultant to industrial and governmental organizations, including Transition Bio, the White House Office of Science and Technology Policy, Quartz, Nodexus, and Sofwerx.

Leadership Training

2024-2025 Stanford Medicine Dean's Fellow

2018-2019 Stanford School of Medicine Leadership Academy
2019 Alan Alda Center, Science Communication for the Public

SELECTED HONORS AND AWARDS

Independent Faculty period (2012-present)

Vallee Foundation Scholar

Bert and Kuggie Vallee Foundation

Recognizes five international early-career scientists for originality and pioneering biomedical research

Glenn Award for Research in Biological Mechanisms of Aging

Glenn Foundation for Medical Research

Unsolicited honor for innovative research in aging, conferred via confidential nomination

Packard Fellow for Science and Engineering

David and Lucile Packard Foundation

Honors 18 fellows annually spanning mathematics, engineering, and science. Research universities across the United States may each nominate two candidates.

Director's New Innovator Award

National Institutes of Health (NIH)

Supports exceptionally creative, high-impact research by early-stage investigators

CAREER Award

National Science Foundation (NSF)

NSF's premier early-career award for integration of research and education

Kimmel Scholar

Sidney Kimmel Foundation

One of 15 promising early-career cancer researchers selected nationally

Louis Pasteur Prize

Belgian Brewing Society

For innovation linking microbial biology, biotechnology, and brewing science

Searle Scholar

Kinship Foundation / Searle Scholars Program

One of 15 early-career scientists selected nationally for high-risk, high-reward research

Mentored postdoctoral period (2008-2011)

Pathway to Independence Award (K99/R00)

National Institutes of Health

Career-transition award supporting movement from mentored postdoctoral research to an independent faculty program.

Damon Runyon/HHMI Postdoctoral Fellow

Damon Runyon Cancer Research Foundation and Howard Hughes Medical Institute

Highly competitive postdoctoral fellowship supporting promising researchers pursuing fundamental questions with relevance to cancer.

Student training period (1997-2007)

Undergraduate Research Prize

University of Washington Department of Chemistry

Awarded annually to the graduating Chemistry major judged by faculty committee to have performed the best undergraduate research

Mary Gates Research Scholar

University of Washington

UW's premier undergraduate research fellowship, established in honor of Bill Gates's mother

NSF REU

National Science Foundation

Summer research fellowship with Dean Tolan at Boston University and JoAnne Stubbe at MIT

Transition School and Early Entrance Program

University of Washington

Selected for the UW's highly competitive early-entrance program, bypassing high school to begin university studies four years early

CURRENT AND SELECTED PAST RESEARCH SUPPORT

Current

- 1/26-12/30 **National Institute on Aging (NIH R01)**
The brain as a control center for organismal aging
Role: Co-I (PIs: Anne Brunet, Karl Deisseroth; Co-Is: Tony Wyss-Coray, Scott Linderman)
- 8/25-7/27 **Knight Initiative for Brain Resilience Momentum**
Predicting and promoting resilient brain aging trajectories
Role: Co-PI with Anne Brunet, Karl Deisseroth, and Scott Linderman
- 1/25-12/26 **Stanford SPARK Program for Drug Development**
Developing Bivalent Molecules to Harness Novel Approaches for Counteracting Protein Aggregation in Neurodegenerative Diseases
Role: Co-PI with Joanna Wysocka, Tomek Zwigut, and Shady Saad
- 9/24-8/29 **National Institute on Aging (NIH R01)**
Investigating protein phase separation and aggregation in age-dependent human disease
Role: PI (*this award comprises two R01 equivalents*)
- 6/23-5/27 **National Human Genome Research Institute (NIH R01)**
Mechanisms of action of natural genetic variation
Role: PI

Selected Past Support

- 7/22-6/26 **NSF, MCB and DEB Directorates**
From molecules to communities: How levels of selection integrate to tame selfish elements
Role: Co-PI with Helen Murphy (William and Mary)
- 4/24-3/26 **National Heart Lung and Blood Institute (NIH R03)**
Unfolding the role of misfolded proteins in smooth muscle cell phenotypic modulation and atherosclerosis
Role: Co-I (PI: Brian Kim)
- 12/23-12/25 **Stanford Innovation Funds**
Quantitative analysis of self-assembly in the human proteome
Role: PI
- 8/21-1/23 **Takeda**
Drug discovery for aggregate prevention in multi-tissue aging and age-related diseases
Role: Co-PI with Anne Brunet
- 9/18-9/23 **Office of the Director (NIH Transformative R01)**
A Brain Pacemaker for Aging and Longevity
Role: Co-I with Anne Brunet and Karl Deisseroth

9/17-8/22	National Institute on Aging (R01/RF1) Discovery of Protein Aggregates During Vertebrate Aging and Neurodegeneration Role: Co-PI with Anne Brunet (two modules)
7/17-7/19	Zafferoni Foundation Developing the African killifish as a new system to model the age-dependency, genetics, and spread of Alzheimer's disease Role: Co-PI with Anne Brunet
9/17-8/22	Bert and Kuggie Vallee Foundation Remembering the Past: Protein-based Inheritance in Evolution, Disease, and Development Role: PI
9/16-8/18	Glenn Foundation for Biomedical Research Award for Research in Biological Mechanisms of Aging Role: PI
9/15-8/20	National Institute of General Medical Sciences (NIH New Innovator Award) Protein-based Molecular Memories in Gene Regulation, Disease, and Development Role: PI
9/15-10/22	David and Lucile Packard Foundation Transmission and Storage of Protein-based Molecular Memories Role: PI
7/15-6/17	Sidney Kimmel Foundation for Cancer Research Harnessing 'Genetic Capacitors' to Control Cancer Evolution Role: PI
4/15-3/21	National Science Foundation, MCB Directorate CAREER: Investigation of a Prion-based Metabolic Switch Driven by Cross-kingdom Chemical Communication Role: PI
7/14-5/17	Chicago Community Trust/Searle Family Trust Protein Folding: A Capacitor of Evolutionary Change, Disease, and Development Role: PI
2014-2015	Stanford Cancer Institute (Seed Grant) Identification of Chemical Modulators of Genetic Buffering in Cell Survival and Disease Role: PI
1/13-12/15	National Institute of General Medical Sciences (NIH R00) Quantitative Analysis of the Evolving Genotype-to-Phenotype Map Role: PI (independent phase of pathway to independence award)
7/11-12/12	National Institute of General Medical Sciences (NIH K99) Quantitative Analysis of the Evolving Genotype-to-Phenotype Map Role: PI (mentored phase of pathway to independence award)
1/08-12/10	Damon Runyon Cancer Research Foundation Hsp90 and the Adaptive Value of Natural Genetic Variation Role: PI

Grants providing conference support

- 6/25 **NASA**
 2025 Molecular Mechanisms in Evolution GRC
 Role: Co-PI with Shelley Copley
This grant provided support for the conference and associated trainee-organized Gordon Research Seminar in Easton, MA
- 6/23 **NSF, MCB Directorate**
 Gordon Research Conference on Molecular Mechanisms in Evolution
 Role: PI
This grant provided support for the conference and associated trainee-organized Gordon Research Seminar in Easton, MA

TEACHING AND CURRICULUM DEVELOPMENT

Foundations in Experimental Biology — (BIOS 200; Director 2017–23, Discussion leader 2014–16)

Stanford's flagship first-year course for PhD students from approximately ten bioscience programs. As director, I introduced a flipped model in which students selected topics, developed reading lists, and pursued faculty-guided tutorials outside class. This freed class time for cross-disciplinary training in question formation, experimental design, scientific rigor, teamwork, and peer feedback. By developing unfamiliar problems into written and oral research proposals, students gained confidence working beyond their initial expertise.

Methods and Logic (since 2018; CSB 221)

I created this primary literature-based course pairs classic and contemporary experiments to show how logic, experimental design, technology development, and the structure of data distributions shape biological inference; students develop research ideas and present them in written and oral form

Advanced Cell Biology (since 2016; BIOC 214)

I lecture in and serve as a discussion leader for Stanford's graduate cell biology course which involves didactic coverage of topics in quantitative cell biology coupled with weekly reading of primary literature linked to the lectures.

Proteostasis—Guarding the Proteome in Health and Disease (2022-present; BIOS 287)

With my colleague Judith Frydman I launched a new intensive mini-course connecting molecular quality-control mechanisms to phenotypic plasticity as well as aging and neurodegeneration. Students also explore connections to biotechnology.

Chemical and Systems Biology Bootcamp (2013–2023; CSB 201)

This weeklong bootcamp is an intensive, integrated lecture–laboratory–analysis experience for incoming doctoral students. The syllabus is built around the design and interpretation of experiments in quantitative cell biology and biochemistry. Students execute both targeted and high throughput experiments, perform quantitative data analysis, and must interpret their results in the context of an original research problem. For example, in the first year of the course they determined that multiple protoORFs (identified by Anne-Ruxandra Carvunis) were regulated by environmental stress.

Advanced Seminar in Microbial Molecular Biology — (2017–2019; BIO/CSB/GENE 346)

Organized a discussion section for advanced undergraduates and graduate students linked to an interdisciplinary advanced seminar in microbial molecular biology.

Recurring Guest Lectures

I frequently guest-lecture in courses including **Prions in Health and Disease** (BIOS 287; 2018–2022), **Logic and Circuitry in Multicellular Development** (DB 210; 2014–present), **Biology of Chromatin-Templated Processes** (CSB 250; 2013–2023), and **The Human Genome** (BIO 109A; 2013–2019).

MENTORING AND TRAINEE OUTCOMES (see also attached full training record)

My mentoring emphasizes scientific independence, rigorous cross-disciplinary training, and successful progression to academic and industry leadership.

- **Direct mentorship** of 13 graduate students, 10 postdoctoral fellows, and more than 30 undergraduate and secondary-school researchers.
- **Inclusive training:** Approximately half of all trainees have been women and/or members of groups historically underrepresented in science.
- **Early-stage progression:** Nearly all undergraduate and secondary-school trainees subsequently pursued further research training at the institutions of their choice.
- **Broader mentoring reach:** Service on more than 75 PhD thesis committees across six institutions and on advisory committees for multiple postdoctoral fellows.
- **Competitive fellowships and awards obtained by trainees:**
 - **Postdoctoral Fellows:** NIH Pathway to Independence Awards (K99/R00; 2); NIH NRSA Postdoctoral Fellowship (F32; 1); Damon Runyon Cancer Research Foundation Fellowships (2); Human Frontier Science Program Fellowship (1); Swiss National Science Foundation Fellowships (2); EMBO Postdoctoral Fellowships (2); Ford Foundation Postdoctoral Fellowship (1); Berry Foundation support (1); and Stanford Maternal and Child Health Research Institute Postdoctoral Support (1).
 - **Graduate Students:** Graduate fellowships: NSF Graduate Research Fellowship Program awards (4); Stanford Graduate Fellowships (3); Gerald J. Lieberman Award for Scholarship and Service; and Bio-X Stanford Interdisciplinary Graduate Fellowships (4).

Selected Examples

Trainee	Training relationship	Recognition and subsequent progression
James S. Byers, PhD	First PhD student	Received the 2018 Harold M. Weintraub Graduate Student Award, one of 13 international honorees recognized for outstanding achievement in graduate studies in the biological sciences. Subsequently progressed into biotechnology discovery research, including as director at CARGO Therapeutics, and is now working in stealth-mode biotechnology
Richard She, PhD	Second PhD student	Awarded Stanford's Gerald J. Lieberman Fellowship academic leadership potential evidenced by excellence in research, teaching, and service. Later a Helen Hay Whitney postdoctoral fellow in Jonathan Weissman's laboratory at the Whitehead Institute/MIT; now Nanyang Assistant Professor, School of Biological Sciences, NTU Singapore
David M. Garcia, PhD	First postdoctoral fellow	NIH NRSA and Ford Foundation Postdoctoral Fellow. Now Assistant Professor of Biology and Full Member of the Institute of Molecular Biology, University of Oregon

INSTITUTIONAL AND PROFESSIONAL SERVICEUniversity and School Committee and Task Force Membership

2025-	School of Medicine Faculty Awards Committee
2022-	School of Medicine Committee on Curriculum and Academic Policy
2024-2025	Venture Models Committee
2024	Chemical and Systems Biology Faculty Search Committee
2021-2024	Biosciences Diversity Advisory Council
2020-2023	Assistant Professor Review Committee

2021-2022	Research Grant Administration Faculty Oversight Committee
2021-2022	Developmental Biology Junior Faculty Search Committee
2022	Physician Scientist Training Advisory Task Force
2018	Chemical and Systems Biology Faculty Search Committee
2016-2018	Stanford Brain Rejuvenation Project Steering Committee

Mentoring and Service

2022-present	Faculty mentor to Dr. Nicole Martinez
2020-present	Faculty Advisory and Support Panel
2019-present	SURGE workshop for new faculty: Developing Mentoring Acumen
2020-2025	CSB Department Faculty Liaison for the Office of Faculty Development and Diversity
2017-2024	Mentor for Stanford Solidarity, Leadership, Inclusion, Diversity (SoLID) Mentorship program, an initiative of the Vice Provost for Graduate Education
2022-2024	Junior faculty peer mentoring lead
2020	Workshop on Finding and Managing Faculty Positions, MIT, Cambridge, MA
2014-2018	Faculty Mentor, Grant Writing Academy

Peer Review: Journals (*) ad hoc editor; (*) editorial board member

<i>Nature</i>	<i>Nature Communications</i>	<i>BioEssays</i>
<i>Science</i>	<i>PLOS Genetics*</i>	<i>Disease Models & Mech.</i>
<i>Cell</i>	<i>Trends in Genetics</i>	<i>Evolution Letters</i>
<i>Molecular Cell</i>	<i>Trends in Cell Biology</i>	<i>Structure</i>
<i>Neuron</i>	<i>TIBS</i>	<i>Mol. Bio. and Evolution</i>
<i>eLIFE*</i>	<i>Current Opinion in G&D</i>	<i>Scientific Reports</i>
<i>PNAS*</i>	<i>JBC</i>	<i>BMC Biology</i>
<i>Nature Reviews Genetics</i>	<i>Nature Eco. and Evo</i>	<i>iScience</i>
<i>NSMB</i>	<i>Molecular Biology of the Cell</i>	<i>Geroscience</i>
<i>Cancer Discovery</i>	<i>Science Advances</i>	<i>JoVE</i>
<i>Science Signaling PLOS</i>	<i>Genetics</i>	<i>FEMS Yeast Research</i>
<i>Biology Nature Cell Biology</i>	<i>Cell Chemical Biology</i>	<i>G3</i>
<i>Cell Systems</i>	<i>PLOS Pathogens*</i>	<i>Yeast*</i>
<i>Cell Reports</i>	<i>Nucleic Acids Research</i>	<i>Prion</i>
<i>JACS</i>	<i>Journal of Molecular Biology</i>	

Peer Review: Grant panels and recurring expert review

2024-2027	Damon Runyon Cancer Research Foundation Fellowship Advisory Committee
2024-2025	Vallee Scholars Selection Committee
2023	NSF – Division of Evolutionary Biology
2022	Canada Strategic Innovation Fund Review Panelist
2018-2022	Natural Sciences and Engineering Research Council of Canada (NSERC)
2018-2022	Deutsche Forschungsgemeinschaft (DFG) Priority Panel
2018-2024	Synopsis Foundation for Alzheimer's research
2018-2020	Catalyst Award for Innovative Ideas in Aging, US National Academy of Medicine
2018	Faculty Promotion Review, National Heart Lung and Blood Institute, NIH
2017	Stanford/NIH Alzheimer's Disease Research Center Seed and Development Grants
2016-2017	NSF – Division of Molecular and Cellular Biology
2016-present	European Research Council (ERC)

Ad hoc grant reviews

Swiss National Science Foundation	Human Frontiers Science Program
Austrian Academy of Sciences	Israeli Science Foundation
Deutsche Forschungsgemeinschaft	Japanese Society for the Promotion of Science
Wellcome Trust	USA Department of Defense MURI Initiative
Medical Research Council (MRC)	Barth Syndrome Foundation
BBSRC	Beckman Foundation
Leverhulme Trust	ETH-Zürich Internal Grant Review

Other Service

- 2020-present Promotion referee for 18 cases in the US and internationally
 2018 MacArthur Foundation, Fellowship Referee
 2018 Novo Nordisk Foundation, Novozymes Prize Evaluator
 2014 Coach, Stanford Grant Writing Academy
 2013-present Various outreach activities at Stanford and in the community, including serving as a research mentor and as a panelist for the Amgen SSRP summer program and the Community College Outreach Program, serving as a panelist in the “academic chat” and R2G2 series and the ADVANCE diversity initiative, acting as a faculty host for postdoc welcome lunches, speaking at mentoring events for graduate students (e.g. ‘Let’s Have an Awesome Time Doing Science’), and giving talks on career development for the Lowell High School Science Research Program in San Francisco

SELECTED INVITED TALKS AND KEYNOTES (since 2020; out of 196 total; *keynote or equivalent)

- 2026 *ASBMB National Meeting*, Washington, DC (chair, aging pillar)
Huntington’s Disease Foundation, Santa Monica, CA
University of Oregon, Department of Biology and Molecular Biology Institute, Eugene, OR
AFAR/Glenn Foundation Annual Meeting, Santa Barbara, CA
Van Andel Epigenetics and Adaptation Workshop, Grand Rapids, MI
Eco-Evo-Devo: The Next Frontier, Monterey, CA
FASEB Conference on Chromosome Biology and Cell States
Caltech Symposium: Phenotypic Plasticity, Cancer, and Evolution, Pasadena, CA
Bellairs Workshop on the Physical Basis of Cellular Adaptation, Holetown, Barbados
Georgia Tech, Department of Biology, Atlanta, GA
Gordon Research Conference on Mutagenesis, Waterville Valley, NH (vice chair)
Epigenetics Summer School, Helmholtz Zentrum München, Munich, Germany
CNIO-Caixa Frontiers: DNA and Protein Damage as Drivers of Disease, Madrid, Spain
- 2025 *University of Washington, Department of Biochemistry*, Seattle, WA
UT Southwestern Medical Center, Department of Pharmacology, Dallas, TX
Baylor College of Medicine, Department of Human and Molecular Genetics, Houston, TX
 **Whitehead Institute for Biomedical Research*, Cambridge, MA (alumni forum)
 **Stanford Graduate School of Business 50th Reunion*, Stanford, CA
Chan Zuckerberg Biohub, San Francisco, CA
Gordon Research Conference on Molecular Mechanisms in Evolution, Easton, MA (chair)
 **Cyber Council: Over the Horizon 2025*, Healdsburg, CA
Stanford-EMBL Life Science Alliance Symposium, Heilbronn, Germany
Gordon Conference on Epigenetics, Barcelona, Spain
Vallee Foundation Meeting, Cascais, Portugal
- 2024 *Harvard Medical School, Department of Microbiology*, Boston, MA
Altos Laboratories, Redwood City, California
Gordon Conference on Mutagenesis, Waterville Valley, NH
FASEB Protein Folding in the Cell, Southbridge, MA
Caltech Symposium: Phenotypic Plasticity, Cancer, and Evolution, Pasadena, CA
Vanderbilt University, Dept. of Biological Sciences, Nashville, TN
Max Planck Institute for Molecular Genetics, Berlin, Germany
RIKEN Institute for Brain Research, Kobe, Japan
Bellairs Workshop on the Physical Basis of Cellular Adaptation, Holetown, Barbados
International Meeting on La and related proteins, Oxford, United Kingdom
Epigenetic Mechanisms in Resilience and Adaptation, Baeza, Spain

International Conference on the Hsp90 Chaperone Machine, Seeon, Germany
McGill University, Department of Biology, Montréal, QC, Canada

- 2023 **University of Washington, Early Entrance Program*, Seattle, WA (commencement address)
Stowers Institute for Biomedical Research, Kansas City, Missouri
Gordon Conference on Molecular Mechanisms in Evolution, Easton, MA (vice chair
Non-Mendelian Inheritance and Stress Responses, Tel Aviv, Israel
Silberman Institute of Life Sciences, Hebrew University, Jerusalem, Israel
Keystone Symposium on Biomolecular Condensates, Vancouver, Canada
LSC: Evolution and Learning, IHES, Bures-sur-Yvette, France
Balancing Genome Fidelity and Plasticity, Cancun, Mexico
University of Toronto, Department of Molecular Genetics, Toronto, Canada
Bellairs Workshop: Physical Basis of Cellular Memory and Adaptation, Holetown, Barbados
Université Sorbonne, Institut de Biologie Paris-Seine, Paris, France
Gordon Conference on Stress Proteins, Il Ciocco, Italy
National University of Mexico, LCG/CCG/IBT, Cuernavaca, Mexico
John Innes Centre, Norwich, United Kingdom
- 2022 *American Association for Cancer Research (AACR), Cancer Evolution Working Group*
Mutagenesis Gordon Research Conference, Sunday River, Maine
Stanford University, Bio-X Talks in English, Stanford, CA
University of Pittsburgh/CMU, Molecular Biophysics and Structural Biology, Pittsburgh, PA
NSF Workshop on Genome Architecture, Cambridge, MA
Columbia University, Genetics and Development Seminar Series, New York, NY
Susan Lindquist Memorial Symposium, Whitehead Institute, Cambridge, MA
Mutagenesis Gordon Research Conference, Sunday River, Maine
University of Utah, Biological Sciences, Salt Lake City, UT
**University of Toronto, Donnelly Centre for Biomolecular Research Retreat*, Toronto, Canada
UK Advanced Research and Intervention Agency, London, United Kingdom
FEMS Workshop on Microbial Evolvability Mechanisms, Split, Croatia
Bellairs Workshop: Physical Basis of Cellular Memory and Adaptation, Holetown, Barbados
International Conference on La and Related Proteins, Toronto, Canada
EMBO Meeting on Evolution and Ecology, Heidelberg, Germany
McGill University, Chemical Biology Program, Montréal, QC, Canada
Jacques Monod Meeting on Protein Phase Transitions in Aging, Roscoff, France
- 2021 *UCSF, Biochemistry and Biophysics Department*, San Francisco, CA
University of Michigan, Department of Ecology and Evolutionary Biology, Ann Arbor, MI
University of Colorado, MCDB Department, Boulder, CO
Intrinsically Disordered Protein Seminars, Online Series @IDPSeminars
International African Turquoise Killifish Conference, Mt. Desert Island Laboratory, Maine
University of California, Berkeley, Department of Plant and Microbial Biology, Berkeley, CA
University of Edinburgh, Centre for Synthetic and Systems Biology, Edinburgh, UK
- 2020 *ETH Zürich, Department of Biology*, Zurich, Switzerland
**MIT, Department of Biology*, Cambridge, MA (Chipperfield Lecture)
New York University, Skirball Institute for Biomolecular Medicine, New York, New York
David and Lucile Packard Foundation Annual Meeting, Monterey, CA
**MD Anderson Cancer Center Retreat*, Houston, TX
**Munich Yeast Meeting*, Munich, Germany
Université de Genève/EPFL, joint Chemical Biology Program, Geneva, Switzerland

Paul Scherrer Institute, Villigen, Switzerland

Hebrew University, Silberman Life Sciences Institute, Jerusalem, Israel

Université de Lausanne, Department of Fundamental Microbiology, Lausanne, Switzerland

KNOWLEDGE TRANSFER AND DISCLOSURES

Pharmaceutical compositions and methods of treating protein aggregation disorders.

Saad, S.; Swigut, T.; Jarosz, D.F.; Wysocka, J. PCT/US2025/053592; published as WO 2026/096940 A1 (filed 2025; pending).

Yeast single nucleotide polymorphisms for industrially relevant phenotypes.

Verstrepen, K.; Ho, P.-W.; Jarosz, D.F. PCT/EP2022/068897; published as WO 2023/280976 A2; U.S. application 18/577,903 (filed 2022; national-phase applications pending).

African killifish platform for rapid drug screening for aggregate-based neurodegenerative diseases.

McKay, A.; Deisseroth, K.; Jarosz, D.F.; Brunet, A.
Stanford invention disclosure (2020).

Methods of screening vulnerabilities of highly mutating cells for therapeutic intervention.

Jarosz, D.F.; Zeman, M.K.; She, R.; Mares, J.; Zabinsky, R.
U.S. provisional patent application 62/578,702 (filed 2017).

Use of a small molecule to robustly alter the metabolic program of fungi.

Garcia, D.M.; Dietrich, D.; Clardy, J.; Jarosz, D.F.
U.S. provisional patent application (filed 2016).

Prion-based manipulation of yeast fermentation and growth.

Jarosz, D.F.; Brown, J.C.S.; Lindquist, S. PCT/US2013/053272; published as WO 2014/022692 A1 (filed 2013; published 2014).

LANGUAGES

English (mother tongue)

French (B2/C1)

German (B1/B2)