STANFORD BIO-X

STANFORD BIO-X PHD FELLOWSHIP PROGRAM 2026



Stanford Bio-X Fellows 2026 Group Photo

The Stanford Bio-X Graduate Fellowships

The mission of the Stanford Bio-X Program is to catalyze discovery by crossing the boundaries between disciplines to bring interdisciplinary solutions, to create new knowledge of biological systems, and to benefit human health.

Since it was established in 1998, Stanford Bio-X has charted a new approach to life science research by bringing together clinical experts, life scientists, engineers, and others to tackle the complexity of the human body. Currently, over 1,300 Stanford Faculty and over 8,500 students, postdocs, researchers, etc. are affiliated with Stanford Bio-X. The generous support from donors, including the Bowes Foundation, enables the program to remain successful—at any given time, Stanford Bio-X is supporting over 60 Ph.D fellows, and Fall 2026 brings 23 new fellows to the program. These remarkable young researchers receive full support (stipend and tuition) from Bio-X for three years of their graduate studies, allowing them to approach exciting research questions as they create connections within the Bio-X community and across campus.

The Stanford Bio-X Graduate Fellowship Program was started to answer the need for training a new generation of visionary science leaders capable of crossing the boundaries between disciplines in order to bring novel research endeavors to fruition. Since its inception in 2004, the three-year fellowships, including the Stanford Bio-X Bowes Fellowships and the Bio-X Stanford Interdisciplinary Graduate Fellowships (Bio-X SIGFs), have provided 452 meritorious graduate students with awards to pursue interdisciplinary research and to collaborate with multiple mentors, enhancing their potential to generate profound transformative discoveries.

Stanford Bio-X Fellows become part of a larger Stanford Bio-X community of learning that encourages their further networking and development. Bio-X provides this through formal career development workshops and through the Stanford Bio-X Travel Program, where we award grants to fellows who are accepted to give talks at national and international meetings. Stanford Bio-X Fellows are provided the opportunity to present their work at all Stanford Bio-X symposia in order to share their knowledge and interact with other students, faculty, and members of the industry.

We are honored to welcome the 2026 Fellows to the Bio-X community and look forward to supporting them as they pursue their passions and expand their research careers.

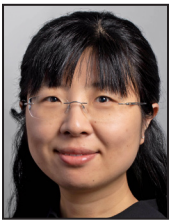


Stanford Bio-X Fellows Group Photo 2025

Success at Stanford and beyond…



2005 Stanford Bio-X Bowes Fellow George Asimenos serves as a key executive leader at DNAnexus, having helped shape the company's vision and technology roadmap since its inception. George has held pivotal roles—including Chief Technology Officer, Chief AI Officer, and Chief Product Officer. His leadership in building AI-enabled bioinformatics infrastructure was instrumental in DNAnexus earning the PharmaTech Innovation Award at the 10th annual MedTech Breakthrough Awards, recognizing the platform's capacity to convert complex, raw multiomic datasets into scalable AI workflows that accelerate drug discovery across the biopharma ecosystem.



2009 Lubert Stryer Interdisciplinary Graduate Fellow and Stanford Bio-X SIGF Liang Liang, an Assistant Professor of Neuroscience at the Yale School of Medicine, explores how neural circuits process complex visual information and adapt over time. Her contributions to understanding visual processing earned her a 2026 Sloan Research Fellowship, a prestigious honor recognizing early-career researchers with exceptional potential to become leaders in their scientific fields. Previously, she received the Lawrence Young Investigator Award, The E. Matilda Ziegler Foundation for the Blind research award, the Whitehall Foundation Research Grant, the Kavli Innovative Research Award, and many more.



2014 Mona M. Burgess Fellow and Stanford Bio-X SIGF Rachel Hagey Saluti is the co-founder and head of preclinical R&D for 4J Therapeutics, Inc. 4J uses their programmable antiviral platform to develop novel, broad-spectrum antiviral therapies against influenza A virus and other pathogens of public health concern. 4J recently received a $313 million contract from the Biomedical Advanced Research and Development Authority (BARDA), to develop a new type of antiviral treatment using locked nucleic acid (LNA) technology, with Rachel serving as Principal Investigator.



2016 Stanford Bio-X Bowes Fellow Renzhi Yang is a postdoctoral researcher in Dr. Nirao Shah's lab at Stanford. Renzhi previously received an NIH NRSA F32 postdoctoral award and more recently received a K99/R00 postdoctoral award from the Eunice Kennedy Shriver National Institute of Child Health and Human Development, titled "Unraveling neuronal and molecular mechanisms of flexible social behavior in mice." Renzhi has published in *Cell* and numerous other journals.



2017 Stanford Bio-X Bowes Fellow Alice Stanton is an Assistant Professor and Investigator at Massachusetts General Brigham and Harvard Medical School. Alice developed the first complete tissue model of the human braim with blood vessels and all six major cell types, and a brain-on-a-chip to better understand neurological diseases like Alzheimer's and Parkinson's for personalized treatments. She has been recognized with numerous awards, including an NIH Director's New Innovator Award, Rising Star designation in Engineering in Health by Johns Hopkins and Columbia University, Rising Star award in Chemical Engineering by MIT, Young American Scientist designation by Scientific American, and the Danica Stanimirovic Memorial Award by the International Brain Barriers Society.

Graduates of the program have transitioned to promising postdoctoral positions or medical training and to successful careers in academia and industry, while others have established their own start-up companies. Seven of our alumni – Ian Chen, Adam de la Zerda, Andreas Loening, Guillem Pratx, David Myung, David Camarillo, and Xiaojing Gao – are now faculty members at Stanford University. Additionally, our fellows publish high-impact first-author journal articles, receive grants and fellowships from Fulbright, the National Institutes of Health (NIH), the National Research Service Awards (NRSA), and the National Science Foundation (NSF) among others, file patent applications, and give TEDx talks, exemplifying the importance of interdisciplinary research.

To learn more about the successes of our alumni, please see page 24.

Stanford Bio-X Graduate Fellowships 2026



HENG-JUI (ANTONY) CHANG

Stanford Bio-X Bowes Fellow
Chemistry
Mentors: David Cox (Genetics) and Anshul Kundaje (Genetics and Computer Science)

Decoding RNA–Protein Interactions with CRISPR-Based Screening and Machine Learning

RNA-binding proteins control how genes are read, stored, and translated, yet the binding targets of most remain unmapped because current methods scale poorly. Antony is developing a CRISPR-based screening platform that measures these interactions in parallel through sequencing, paired with machine learning models that predict binding specificity from sequences. The resulting maps could reveal how RNA regulation breaks down in disease.



SYDNEY COVITZ

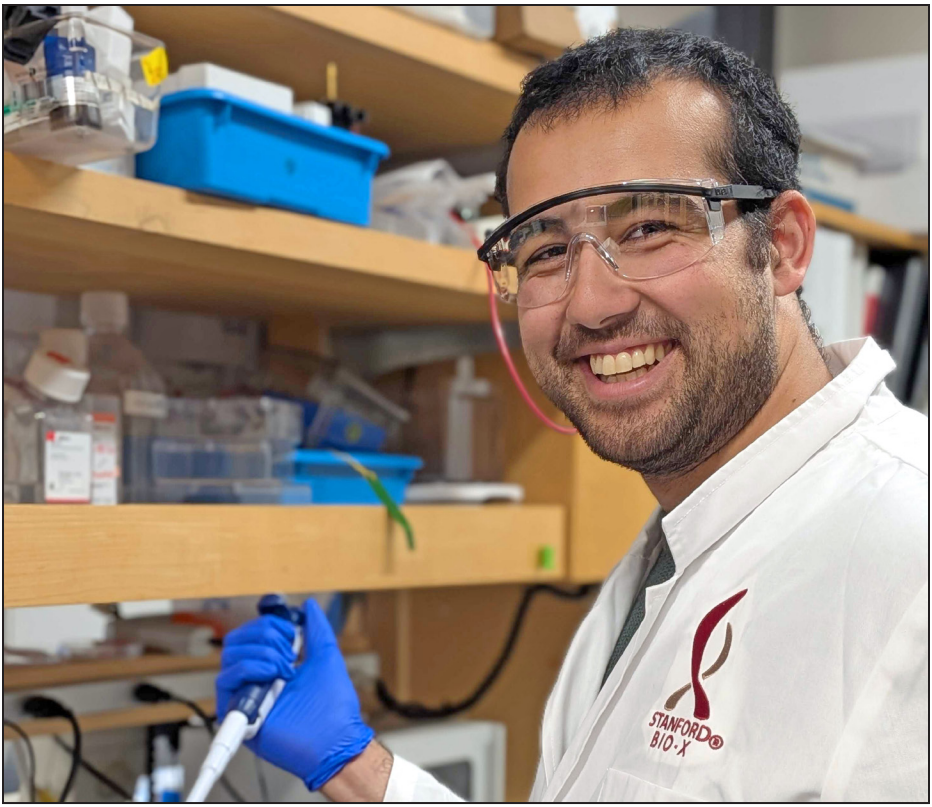
Stanford Bio-X Bowes Fellow
Bioengineering
Mentors: Scott Delp (Bioengineering and Mechanical Engineering), John Day (Adult Neurology and Pediatrics – Medical Genetics), and Karen Liu (Computer Science)

From the Clinic to the Track: Developing Digital Biomarkers and Musculoskeletal Simulations Using Video-Based Motion Capture

Sydney is using advanced smartphone video capture and computer vision to study movement in amputee athletes and patients with rare neuromuscular diseases. She is developing digital biomarkers to quantify impairment and complement clinical assessments, while using motion capture and computer simulations to help amputee runners select blades that optimize performance and reduce injury risk.



Stanford Bio-X Fellows Group Photo 2014



Mona M. Burgess Fellow, Stanford Bio-X SIGF Humza Khan (see pg. 6 for research details)



HAOYU DAI

Stanford Bio-X Bowes Fellow
Chemical Engineering

Mentors: Xiaojing Gao (Chemical Engineering), Brian Hie (Chemical Engineering), and Jin Billy Li (Genetics)

Programmable RNA Sensing Platform: Integrating Computational Design with Synthetic Biology for Next-Generation Cancer Therapeutics and Diagnostics

Cancer therapies face a critical challenge: they must be powerful enough to eradicate aggressive tumors, yet precise enough to spare healthy tissue. Haoyu is developing programmable RNA sensors that recruit enzymes called ADAR (Adenosine Deaminase Acting on RNA) proteins to trigger efficient and targeted treatments. Combining synthetic biology and machine learning, her work aims to create safe, potent molecular switches for next-generation cancer medicine.

"The Bio-X Fellowship gave me the opportunity to pursue ambitious interdisciplinary research at Stanford and fundamentally shaped the direction of my career. It helped to set me on a path toward biotechnology entrepreneurship, where I build and invest in companies spanning different diseases, technologies, and therapeutic approaches, with the goal of bringing new treatment possibilities to patients."

— Remy Durand, Stanford Bio-X Fellow



HUMZA KHAN

Mona M. Burgess Fellow, Stanford Bio-X SIGF
Immunology, Medicine
Mentors: Sean Bendall (Pathology), Nathan Reticker-Flynn (Otolaryngology – Head & Neck Surgery), Mark Davis (Microbiology & Immunology), and Andrew Gentles (Pathology and Medicine – Computational Medicine)

Tissue-Specific Cues Modulate Lymphocyte Function Across the Body

Immune cells transit through every organ in the body. Despite knowing that microenvironmental context drastically alters immune cell function, we understand little about how organ-specific factors alter lymphocytes *in situ*. Humza proposes to combine organoid modeling and other mechanistic experimental systems with advanced epigenomic, transcriptomic, and proteomic approaches to identify tissue-specific immune cell states.



HUNTER KING

Paul Berg Interdisciplinary Biomedical Graduate Fellow, Stanford Bio-X SIGF
Developmental Biology
Mentors: Kyle Loh (Developmental Biology), Jesse Engreitz (Genetics), and Alex Dunn (Chemical Engineering)

Leveraging Genomic Screens to Reveal How a Mechanosensitive Signaling Pathway Controls Endothelial Fate

Discovering the genes driving stem cell differentiation is a long-standing goal of developmental biology. The Loh lab developed a new genomic screening technique and applied it to an endothelial cell differentiation model, revealing that a mechanosignaling pathway has a novel role in endothelial fate. Hunter aims to further elucidate this mechanism and leverage it to improve *in vitro* differentiation methods.



HAIM KRUPKIN

Stanford Bio-X Bowes Fellow
Genetics
Mentors: Andrew Fire (Pathology and Genetics), Stephen Montgomery (Pathology, Genetics, and Biomedical Data Science), Nicole Martinez (Chemical & Systems Biology and Developmental Biology), and Jin Billy Li (Genetics)

Searching for DragonRNAs in Cells

DragonRNAs are unusual tandem DNA → RNA chimeras. DragonRNAs have been demonstrated as vaccine adjuvants, and we can produce them in test tubes, but we don't know if they exist in nature. Here Haim and the Fire lab will develop tools to find them, explore their roles, and leverage their unique structure for technological improvement.



Stanford Bio-X Bowes Fellow Vedika Shenoy (see pg. 10 for research details)



SOFIA MADRIGAL GAMBOA

Tusher Family Stanford Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF

Mechanical Engineering

Mentors: Natalie Larson (Mechanical Engineering), Sarah Heilshorn (Materials Science & Engineering), and Helen Blau (Microbiology & Immunology – Baxter Laboratory)

Bioprinting the Building Blocks of Meat: Integrated Fabrication of Muscle, Vasculature, and Fat

Meat production is essential for feeding the world's growing population, but current production methods place significant pressure on the environment. To help address these challenges, Sofia is developing cultivated meat, which is animal meat grown from cells rather than raising and slaughtering animals. Her research combines sustainable materials with advanced 3D printing technologies to make cultivated meat easier to produce at scale, helping reduce the environmental impact of food production.



ANASTASIIA MASALTSEVA

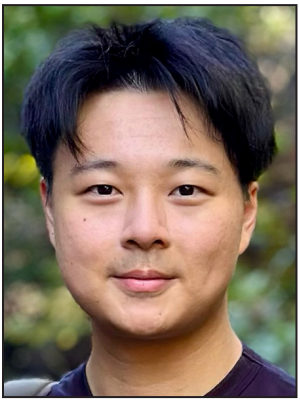
Lavidge and McKinley Interdisciplinary Fellow, Stanford Bio-X SIGF

Bioengineering

Mentors: Kyle Loh (Developmental Biology), Mark Skylar-Scott (Bioengineering), Hiromitsu Nakauchi (Genetics), Joanna Wysocka (Chemical & Systems Biology and Developmental Biology), Kristy Red-Horse (Biology), and Lay Teng Ang (Urology)

Discovering the Brain Vasculature's Surprising Origins to Engineer a Human Blood-Brain Barrier Model

The blood-brain barrier is a remarkable structure that shields our brain from harmful toxins and other substances in our blood. Anastasiia is trying to build the human blood-brain barrier in a Petri dish, inspired by how it is naturally built in the body. If successful, this could help us to discover new drugs and gain new insights about the workings of the brain.



KUAN PANG

Mona M. Burgess Fellow, Stanford Bio-X SIGF
Computer Science
Mentors: Jure Leskovec (Computer Science) and Zinaida Good (Medicine – Immunology & Rheumatology)

AI-Guided Design of Safer and More Effective CAR T Cell Therapies

CAR T cell therapy engineers a patient's immune cells to fight disease, but it does not work for everyone and can cause serious side effects. Kuan's research develops AI foundation models that learn from millions of cells to predict patient responses and virtually test promising modifications, accelerating the development of safer, more effective, and personalized cell therapies.

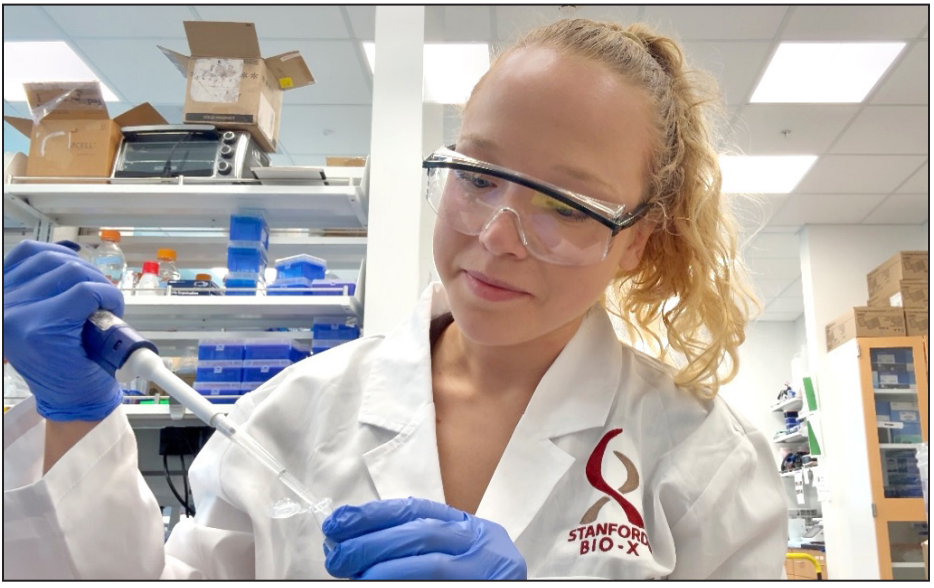


YAO-TIAN (PETER) PAO-HUANG

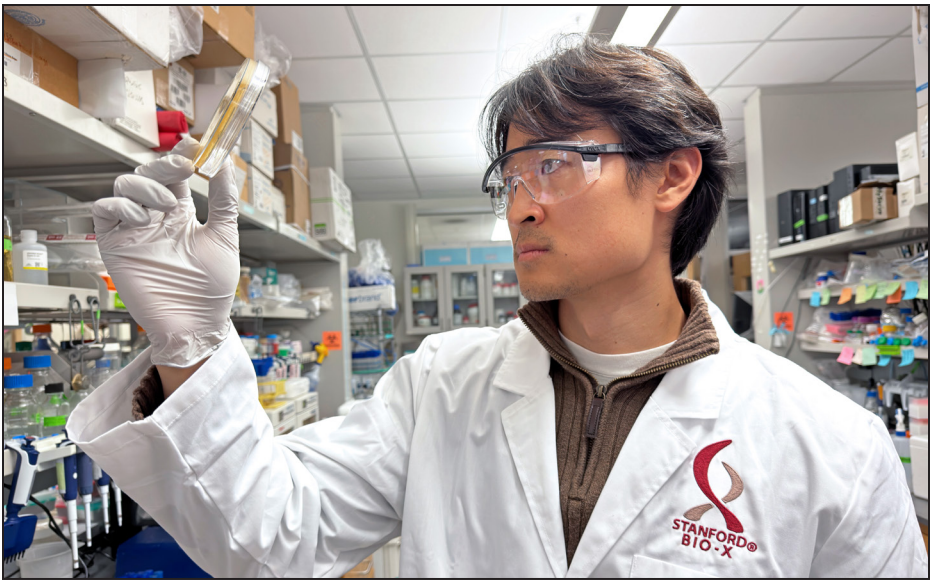
Stanford Bio-X Bowes Fellow
Computer Science
Mentors: Xiaojie Qiu (Genetics) and Stefano Ermon (Computer Science)

Causal Generative Models for Genome-Scale Perturb-seq Prediction

Cells respond to genetic changes in ways we cannot yet predict. Peter is building machine learning models that learn cause-and-effect relationships among human genes from experiments perturbing them directly. These models will guide new lab experiments and identify drug targets for pulmonary arterial hypertension, a fatal lung and heart disease.



Stanford Bio-X Bowes Fellow Krystina Szylo (see pg. 13 for research details)



Stanford Bio-X Bowes Fellow Morgan Su (see pg. 12 for research details)



BENJAMIN ROSENBLUTH

Affymetrix Bio-X Fellow, Stanford Bio-X SIGF
Bioengineering

Mentors: Steven Banik (Chemistry), Polly Fordyce (Bioengineering and Genetics), and Ron Dror (Computer Science)

Mapping the Undruggable Proteome

Most drugs begin with a molecule that binds a disease-driving protein, and finding one can take a chemist years. For thousands of proteins driving cancer and inflammatory disease, no binding molecule is known. Benjamin is building a platform that tests millions of molecule-protein pairs at once, producing chemical starting points for new drugs and a foundational dataset to accelerate AI-driven drug discovery.



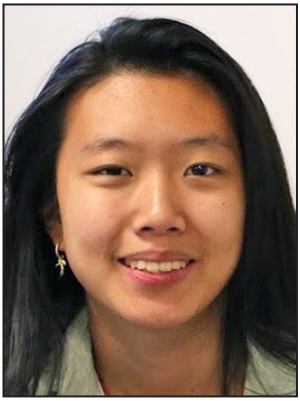
YASH SHAH

William and Lynda Steere Fellow, Stanford Bio-X SIGF
Computer Science

Mentors: Daniel Yamins (Psychology and Computer Science) and Kalanit Grill-Spector (Psychology)

Building a Digital Twin of the Visual System to Predict Spatio-Temporal Effects of Causal Neural Perturbations

The brain is shaped not only by what neurons compute, but by where they are organized and how they interact over time. Yash aims to build a task-optimized digital twin of the visual cortex that mechanistically captures its function, organization, and dynamics, enabling causal experiments and guiding precise interventions for neurological visual disorders.



SOPHIA SHEN

Bruce and Elizabeth Dunlevie Fellow, Stanford Bio-X SIGF
Bioengineering

Mentors: Todd Coleman (Bioengineering), Zhenan Bao (Chemical Engineering), Kenneth Weber (Anesthesiology, Perioperative & Pain Medicine), and Nichole Tyson (Obstetrics & Gynecology)

Non-Invasive Monitoring of Uterine Contractions Throughout the Menstrual Cycle

Abnormal uterine contractions throughout the menstrual cycle are linked to infertility, endometriosis, and other reproductive health issues, yet remain poorly understood due to a lack of tools that can track them. Sophia is developing a low-cost, wearable device to measure these contractions non-invasively, opening a new path for women's health research and care.



VEDIKA SHENOY

Stanford Bio-X Bowes Fellow
Chemical Engineering

Mentors: Joseph DeSimone (Radiology and Chemical Engineering), Eric Shaqfeh (Chemical Engineering and Mechanical Engineering), and John MacArthur (Cardiothoracic Surgery)

Additive Manufacturing of High-Resolution Porous Scaffolds for Synthetic Vascular Grafts

Patients needing bypass or dialysis surgery often require artificial replacement blood vessels, but small-diameter synthetic grafts frequently fail due to poor healing at the graft site. Inclusion of pores under 100 μm promote healing, yet existing methods are low-throughput and generate pores randomly. Vedika is using simulation and theory to develop scalable, high-resolution additive manufacturing techniques for viscous, elastomeric materials, and implanting the resulting scaffolds to establish design principles for porous architectures in next-generation vascular grafts.



MICHAEL SOMMELING

Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF
Electrical Engineering

Mentors: Subhasish Mitra (Electrical Engineering and Computer Science), E.J. Chichilnisky (Neurosurgery and Ophthalmology), Guosong Hong (Materials Science & Engineering), and Daniel Palanker (Ophthalmology)

Customizable Penetrating Microelectrodes for High-Resolution Bidirectional Neural Interface

Advances in nanofabrication and neuroscience have enabled brain-computer interfaces with the potential to restore speech, motion, and sight. However, none yet can read and write at cellular resolution, as they are limited by 2D electrodes. Michael is developing customizable 3D microelectrode arrays for precise bidirectional interfacing with neural circuits, validated in the retina at single-cell, single-spike resolution. From the fab to the lab, he aims to achieve a principled replication of neural codes, starting with vision.



Lavidge and McKinley Interdisciplinary Fellow, Stanford Bio-X SIGF Anastasiia Masaltseva
(see pg. 7 for research details)



ALAN SU

Stanford Bio-X Bowes Fellow
Chemical & Systems Biology

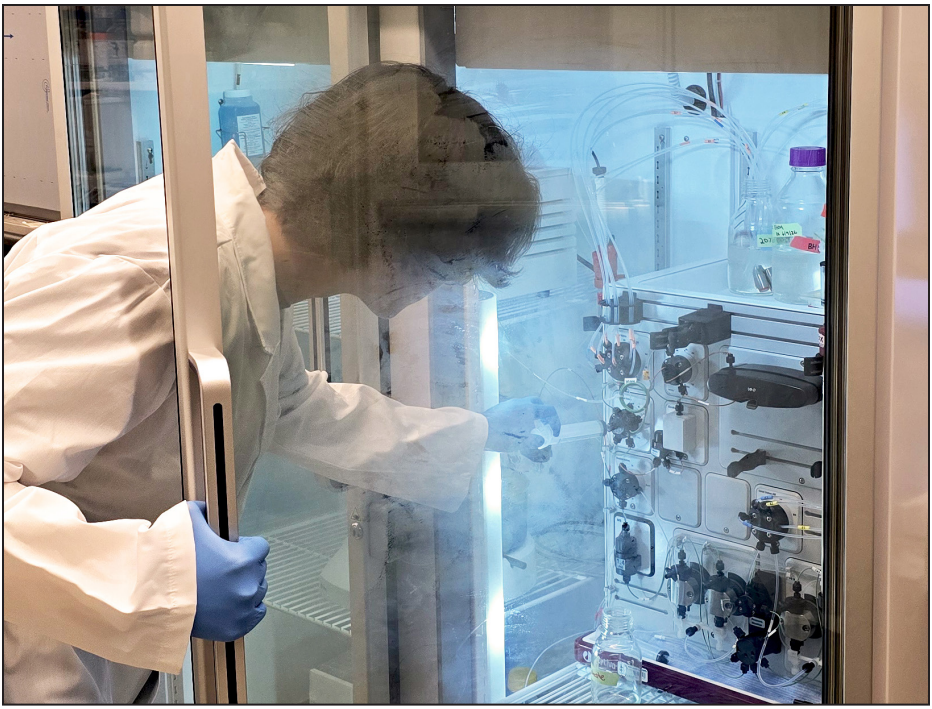
Mentors: Polly Fordyce (Bioengineering and Genetics) and Dmitri Petrov (Biology)

Disentangling the Biophysical Drivers of Evolution Through High-Resolution Mapping of Natural Selection to Protein Functional Architecture

Evolution has yielded proteins with diverse molecular functions that remain intractable to rational design, yet how it navigates complex physical constraints to do so is unclear. To understand this process, Alan's research maps historical signatures of natural selection from population-scale sequencing to measurable changes in the physical processes that underlie molecular function. This mechanistic link would inform the design of new modalities in protein-based therapeutics and industrial tools by learning from natural evolution.

"The Bio-X fellowship helped shape my commitment to working at the intersection of biology and statistics. I saw during my graduate training how useful this sort of interdisciplinary work can be for both fields. In my subsequent career as a statistician, I have continued to be guided by the idea that my work should contribute to both biological understanding and to statistics. This is central to my work today, including a new project funded through the NSF's emerging mathematics in biology program on experimental design for microbial strain detection."

— Julia Fukuyama, Stanford Bio-X Fellow



Stanford Bio-X Bowes Fellow Heng Jui (Antony) Chang (see pg. 4 for research details)



MORGAN SU

Stanford Bio-X Bowes Fellow
Microbiology & Immunology

Mentors: Kerwyn Casey Huang (Bioengineering and Microbiology & Immunology) and Justin Sonnenburg (Microbiology & Immunology)

Colibactin Reshapes the Evolutionary Landscape of the Gut

Research on the genotoxic, microbially-produced metabolite colibactin has focused primarily on its role in initiating DNA damage and carcinogenesis in eukaryotic cells. While important, this focus has left both its ecological role within microbial communities, and the orthogonal pathologies that may arise from it, poorly understood. Through a suite of genetic and ecological approaches, Morgan hopes to elucidate how colibactin alters microbial communities and its broader, long-term implications for the genomic landscape of the gut microbiome.

"The Bio-X Fellowship was instrumental to my career as a bioengineer. It supported me financially... but beyond that, it brough me into a network of highly interdisciplinary researchers with whom I have become friends with and kept in touch with over the years. To this day I draw inspiration from this community of highly innovative, phenomenally accomplished people, and cherish each interaction I have with them. I am grateful to the Bio-X fellowship for bringing us together."

— Angela Wu, Stanford Bio-X Fellow



KRYSTINA SZYLO

Stanford Bio-X Bowes Fellow
Cancer Biology
Mentors: Scott Dixon (Biology), Julien Sage (Pediatrics – Hematology & Oncology and Genetics), and Steven Corsello (Medicine – Oncology)

Activating a Novel Cell Death Pathway to Treat Cancer

Agents that induce non-apoptotic cell death may kill apoptosis-resistant cancer cells and enhance anti-tumor immunity, but existing inducers of non-apoptotic cell death have not advanced beyond preclinical testing. To address this, Krystina has screened two compound libraries to identify drug candidates that can induce non-apoptotic cancer cell death. This work aims to uncover translatable clinical agents that will activate novel cell death pathways in cancer cells.



HELEN WANG

Colella Family Fellow, Stanford Bio-X SIGF
Stem Cell Biology & Regenerative Medicine, Medicine
Mentors: Michael Longaker (Surgery – Plastic & Reconstructive Surgery), Anne Brunet (Genetics), and Sarah Heilshorn (Materials Science & Engineering)

Mechanisms of Fibroblast Dysfunction in Aged Wound Healing

Chronic wounds affect millions of older adults, with age as a leading risk factor for healing failure. Helen's research investigates how aging affects fibroblasts, the cells that orchestrate skin repair. Helen aims to identify new therapeutic targets that improve healing in aged skin while providing insight into how aging affects regeneration.



JIAYI WU

Felix and Heather Baker Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF
Stem Cell Biology & Regenerative Medicine
Mentors: Stefan Heller (Otolaryngology – Head & Neck Surgery), Casey Gifford (Pediatrics – Cardiology and Genetics), and Aaron Newman (Biomedical Data Science)

Overcoming Cell Cycle Quiescence in Postmitotic Supporting Cells Using Human iPSC-Derived Inner Ear Organoids

Hearing loss is a global health burden with no effective regenerative therapies. In mammals, non-sensory supporting cells are postmitotic and cannot regenerate sensory hair cells, leading to permanent hearing loss. Jiayi's research leverages human iPSC-derived inner ear organoids and creates an "inner-ear-in-a-dish" platform to unravel human-specific regenerative constraints and develop strategies to overcome cell cycle quiescence.



Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF Michael Sommeling
(see pg. 10 for research details)



YUXUAN WU

Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF
Bioengineering

Mentors: Bruce Daniel (Radiology), Allison Okamura (Mechanical Engineering), Brian Hargreaves (Radiology), and Jacqueline Tsai (Surgery – General Surgery)

Sensing the Unseen: Multimodal Augmented Reality Guidance for Precision Breast Surgery

Over two million women worldwide are diagnosed with breast cancer each year, yet one in four patients undergoing breast-conserving surgery requires re-excision because surgeons cannot reliably feel the tumor boundaries. Yuxuan proposes to develop a multimodal augmented reality system that makes otherwise imperceptible tumors intuitively visible and palpable. Yuxuan will develop algorithms for tumor localization and rendering, along with haptically augmented surgical instruments that provide tactile guidance, with the ultimate goal of improving the precision of breast-conserving surgery.

"Securing [the Bio-X Fellowship] reduced complications with entry checks and visas, eased the financial burden on my advisor, and gave me the confidence boost to pursue my research... Interacting with the Bio-X fellow community also widened my perspectives and opened up collaboration opportunities. I am grateful to the fellowship for not only supporting me financially, but also giving me the resources to successfully pursue my PhD and follow-up career."

— George Asimenos, Stanford Bio-X Fellow



JEONGWOONG YOON

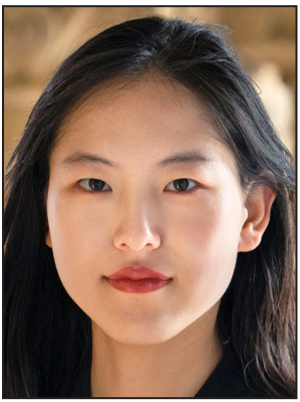
Lubert Stryer Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF

Bioengineering

Mentors: Bo Wang (Bioengineering) and Anshul Kundaje (Genetics and Computer Science)

Deep-Learning Guided Design of Synthetic Wound-Responsive Promoters

Wound-responsive DNA elements are gaining attention for gene therapy by sensing injury and controlling desired gene expression rapidly, but they are difficult to discover endogenously. To overcome this limitation, Jeongwoong proposes a workflow to train a sequence-to-expression model that can predict transcriptional wound response with DNA sequences and use it to guide the generation of optimized synthetic sequences as wound-responsive promoters.



LING-YI (ELISE) ZHANG

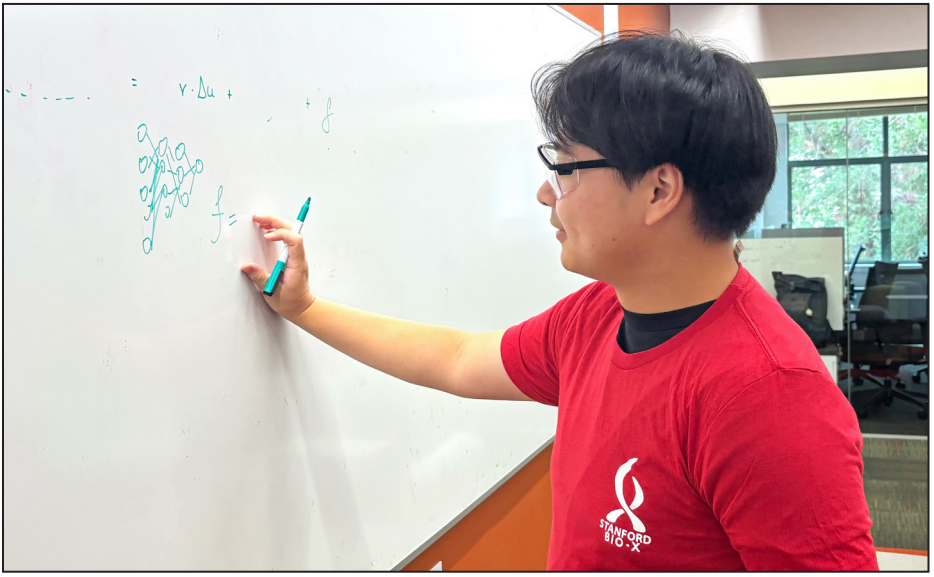
Stanford Bio-X Bowes Fellow

Materials Science & Engineering

Mentors: Guosong Hong (Materials Science & Engineering), Julia Kaltschmidt (Neurosurgery), and Anna Grummon (Pediatrics – General Pediatrics)

Linking Ultra-Processed Foods to Changes in Enteric Physiology Through a Transparent Abdomen in Live Mice

Ultra-processed foods increasingly dominate modern diets and drive metabolic disease, yet their effects on the gut remain poorly understood. Elise proposes to develop an *in vivo* transparency method to study intestinal and metabolic responses in live mice, revealing specific mechanisms that could ultimately guide food policy and healthier dietary choices.



Mona M. Burgess Fellow, Stanford Bio-X SIGF Kuan Pang (see pg. 8 for research details)

Stanford Bio-X Current & Continuing Fellows (in alphabetical order)



Nayla Abney
Stanford Bio-X Bowes Fellow 2024
Bioengineering
Mentors: Jennifer Cochran (Bioengineering) and Mark Pegram (Medicine – Oncology)
"Engineering Bispecific Antibodies for Cytokine Sequestration in Cancer"



Peter Allen
Stanford Bio-X Bowes Fellow 2025
Biology
Mentors: Vayu Hill-Maini (Bioengineering) and Polly Fordyce (Bioengineering and Genetics)
"Expanding the Mushroom Genetic Tool Kit Using High-Throughput Droplet Microfluidics Screening"



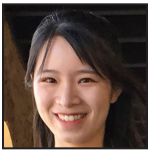
Carlos Alvarado Acosta
William and Lynda Steere Fellow, Stanford Bio-X SIGF 2021
Structural Biology
Mentors: Joseph Puglisi (Structural Biology) and Zev Bryant (Bioengineering)
"Uncovering the Kinetic and Mechanochemical Regulation of Scanning"



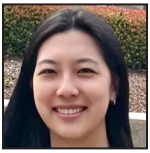
Isabella Archibald
Stanford Bio-X Bowes Fellow 2024
Bioengineering
Mentors: Jennifer Brophy (Bioengineering) and Xiaojing Gao (Chemical Engineering)
"Engineering Plant Root Development using Genetic Circuits"



Nahal Bagheri
Stanford Bio-X Bowes Fellow 2023
Electrical Engineering
Mentors: Steven Boxer (Chemistry), Mark Kasevich (Physics and Applied Physics), Soichi Wakatsuki (Structural Biology), Possu Huang (Bioengineering), and Thomas Markland (Chemistry)
"Magnetic Field Effects in Biological Systems/Role of Electric Fields in Enzyme Catalysis"



Sa Cai
Stanford Bio-X Bowes Fellow 2022
Materials Science & Engineering
Mentors: Stanley Qi (Bioengineering) and Guosong Hong (Materials Science & Engineering)
"Developing a Genetic Photothermal System (GPS) for Non-Invasive Neuromodulation"



Dixin Chen
Lubert Stryer Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2025
Biomedical Physics
Mentors: Billy Loo (Radiation Oncology) and Maximilian Diehn (Radiation Oncology)
"Combining ATM Inhibition with FLASH to Improve Therapeutic Index of Radiotherapy for KEAP1-Mutant Lung Cancer"



Jennifer Co
Stanford Bio-X Bowes Fellow 2024
Chemistry
Mentors: Steven Banik (Chemistry) and Michael Bassik (Genetics)
"Silent Programming: Discovery and Characterization of the Onco-Interactome with Cell-Based Interaction Sensors and CRISPR Genetic Screening"



Lauren Cooper
Stanford Bio-X Bowes Fellow 2025
Mechanical Engineering
Mentors: Guosong Hong (Materials Science & Engineering) and Xiaoke Chen (Biology)
"Achieving Optical Transparency in the Brain Using Photonic Metamaterial Strategies"



Ethan Darwin
Stanford Bio-X Bowes Food Fellow 2025
Mechanical Engineering
Mentors: Ellen Kuhl (Mechanical Engineering), Vayu Hill-Maini (Bioengineering), and Marc Levenston (Mechanical Engineering)
"Mechanics Meets Machine Learning: AI-Driven Modeling of Soft Biological Materials for Food and Tissue Applications"



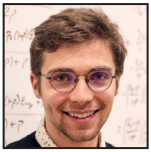
Matthew DeJong
Stanford Bio-X Bowes Fellow 2024
Chemical Engineering
Mentors: Polly Fordyce (Bioengineering and Genetics) and Alexander Dunn (Chemical Engineering)
"High-Throughput Microfluidic Force Spectroscopy for Engineering Protein Mechanosensors"



Sarah DiIorio
Rogers Family Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2025
Stem Cell Biology & Regenerative Medicine, Medicine
Mentors: Michael Longaker (Surgery – Plastic & Reconstructive Surgery) and Vivian Feig (Mechanical Engineering)
"Understanding the Cellular Components of Tendon Fibrosis and the Effect of Mechanomodulation on Reducing the Fibrotic Response to Injury in a Small Animal Model"



Affymetrix Bio-X Fellow, Stanford Bio-X SIGF Benjamin Rosenbluth
(see pg. 9 for research details)



Benjamin Doughty
William and Lynda Steere Fellow, Stanford Bio-X SIGF 2023
Chemical Engineering
Mentors: William Greenleaf (Genetics), Jesse Engreitz (Genetics), and Polly Fordyce (Bioengineering and Genetics)
"Deciphering the Mechanisms of Non-Coding Genetic Variation in Enhancers"



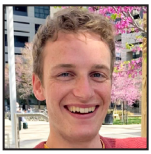
YiYi Du
Bruce and Elizabeth Dunlevie Fellow, Stanford Bio-X SIGF 2025
Bioengineering
Mentors: Mark Skylar-Scott (Bioengineering) and Joseph Wu (Medicine – Cardiovascular Medicine)
"Organ-Scale Multicellular Continuous Bioprinting"



Yi Shiou Duh
Stanford Bio-X Bowes Fellow 2021
Physics
Mentors: Mark Brongersma (Materials Science & Engineering), Bianxiao Cui (Chemistry), and Guosong Hong (Materials Science & Engineering)
"Scalable Electrophysiology Tool Based on Optics"



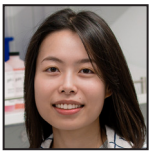
Simone Evans
Stanford Bio-X Bowes Fellow 2025
Genetics
Mentors: Alex Gao (Biochemistry and Microbiology & Immunology) and Daniel Hershlag (Biochemistry)
"Mechanisms of Protease Defense and Regulation in Bacterial Innate Immunity"



Mark Fleck
Stanford Bio-X Bowes Fellow 2023
Chemistry
Mentors: Fan Yang (Bioengineering and Orthopaedic Surgery), Michael Lim (Neurosurgery), and Ovijit Chaudhuri (Mechanical Engineering)
"A 3D Viscoelastic Model for Investigating Glioblastoma-Tumor Associated Macrophage Crosstalk"



Andrea Flores Pérez
Bruce and Elizabeth Dunlevie Fellow, Stanford Bio-X SIGF 2025
Bioengineering
Mentors: Yunzhi Peter Yang (Orthopaedic Surgery), Guillem Pratx (Radiation Oncology), and John Sunwoo (Otolaryngology – Head & Neck Surgery)
"Development of Vascularized Microphysiological Tumor Models for Mimicking Human PET Imaging"



Sipei Fu
Affymetrix Bio-X Fellow, Stanford Bio-X SIGF 2024
Biology
Mentors: Jonathan Long (Pathology), Christopher Barnes (Biology), and Michael Fischbach (Bioengineering)
"Uncovering Microbial Biosynthesis of N-acetyltaurine"



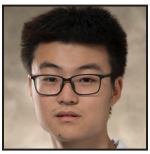
Alisa Hathaway
Stanford Bio-X Bowes Food Fellow 2025
Electrical Engineering
Mentors: Todd Coleman (Bioengineering) and Eric Stice (Psychiatry & Behavioral Sciences)
"From Scent to Solution: Developing Naturalistic and Dynamic Training Approaches to Address Eating Disorders through Olfactory Food Cue Sensitivity"



Khoa Hoang
Stanford Bio-X Bowes Food Fellow 2025
Bioengineering
Mentors: Michael Snyder (Genetics), Markus Covert (Bioengineering), and Justin Sonnenburg (Microbiology & Immunology)
"A Microbiome Engineering Framework for Metabolomic Modulation"



Chiho Im
Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2025
Computer Science
Mentors: Anshul Kundaje (Genetics and Computer Science), Scott Boyd (Pathology), and Tho Duc Pham (Pathology)
"Deciphering Memory B-Cell Repertoires to Uncover Immune Dynamics and Disease Associations"



Yuan Jia
Morgridge Family SIGF Fellow, Stanford Bio-X SIGF 2021
Chemistry
Mentors: Robert Waymouth (Chemistry) and Ronald Levy (Medicine – Oncology)
"New Synthetic Transporters for Delivery and Release of mRNA"



Jessica Karaguesian
City Hill Foundation Stanford Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2025
Bioengineering
Mentors: Polly Fordyce (Bioengineering and Genetics) and Ron Dror (Computer Science)
"Mapping Protein-Protein Interactions at Scale with Microfluidics and Machine Learning"



Karan Kathuria
Stanford Bio-X Bowes Fellow 2023
Immunology, Medicine
Mentors: Mark Davis (Microbiology & Immunology), Prasanna Jagannathan (Medicine – Infectious Diseases and Microbiology & Immunology), and Sarah Heilshorn (Materials Science & Engineering)
"Modeling Immune Responses to Malaria Infection and Vaccination in Human Spleen Organoids"



Rennie Kendrick
Tusher Family Stanford Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2023
Neurosciences
Mentors: Scott Owen (Neurosurgery), Scott Linderman (Statistics), and Laura Prolo (Neurosurgery)
"Elucidating Cellular and Molecular Mechanisms of OCD in the Human Brain"



Danielle Klinger
Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2023
Bioengineering
Mentors: Kristy Red-Horse (Biology), Mark Skylar-Scott (Bioengineering), Casey Gifford (Pediatrics – Cardiology), and Marlene Rabinovitch (Pediatrics – Cardiology)
"Engineering Organoid Models of Early Cardiac Developmental Stages"



Alisa Levin
Bruce and Elizabeth Dunlevie Fellow, Stanford Bio-X SIGF 2024
Computer Science
Mentors: Scott Linderman (Statistics), Jaimie Henderson (Neurosurgery), and Frank Willett (Neurosurgery)
"Characterizing Shared Neural Representations Across Languages via Intracortical BCIs"



Kara Liu
Morgridge Family SIGF Fellow, Stanford Bio-X SIGF 2024
Computer Science
Mentors: Russ Altman (Bioengineering, Genetics, Medicine – Biomedical Informatics Research, and Biomedical Data Science) and Sanmi Koyejo (Computer Science)
"Integrating Generative Models to Address Selection Bias and Patient Privacy in EHR Data"



Stanford Bio-X Fellows Group Photo 2022



Amrith Lotlikar
Seth A. Ritch Graduate Fellow, Stanford Bio-X SIGF 2024
Electrical Engineering
Mentors: Subhasish Mitra (Electrical Engineering and Computer Science) and E.J. Chichilnisky (Neurosurgery and Ophthalmology)
"Algorithms for Efficient Calibration of Bidirectional Brain-Computer Interfaces"



Tara Lowensohn
Stanford Bio-X Bowes Fellow 2025
Chemistry
Mentors: Elizabeth Sattely (Chemical Engineering), Mary Beth Mudgett (Biology), and Xiaojing Gao (Chemical Engineering)
"A First-In-Class, in planta *Single-Cell Genetic Screen to Accelerate the Engineering of Pathogen Resistance in Crops"*



Kunlin Ma
Rosenberg Ach Family Fellow, Stanford Bio-X SIGF 2025
Mechanical Engineering
Mentors: Juan Santiago (Mechanical Engineering) and Eric Shaqfeh (Chemical Engineering and Mechanical Engineering)
"Basic Study of Single-Molecule DNA Trapping and Its Application to High-Throughput Genomic Analysis"



Lorenzo Magni
Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2025
Bioengineering
Mentors: Stanley Qi (Bioengineering) and Lars Steinmetz (Genetics)
"Modular Genetic and Cell-Based Approaches for Mitochondrial Engineering"



Marigold Malinao
Stanford Bio-X Bowes Fellow 2024
Materials Science & Engineering
Mentors: Guosong Hong (Materials Science & Engineering) and Jun Ding (Neurosurgery and Neurology)
"Non-Invasive and Spatiotemporally Precise Chemogenetic and Pharmacological Neuromodulation with an Ultrasound Interface"



Shaili Mathur
Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2024
Biology
Mentors: Dmitri Petrov (Biology) and Jonas Cremer (Biology)
"Cellular Decision-Making in Dynamically Changing Environments and Population-Level Consequences"



Santiago Mille Fragoso
Morgridge Family SIGF Fellow, Stanford Bio-X SIGF 2024
Bioengineering
Mentors: Xiaojing Gao (Chemical Engineering) and Brian Hie (Chemical Engineering)
"Machine Learning-Assisted Design of Novel Modular Protein Sensors"



Salvador Moncayo Von Hase
Morgridge Family SIGF Fellow, Stanford Bio-X SIGF 2024
Biology
Mentors: Steven Banik (Chemistry), Xiaojing Gao (Chemical Engineering), and Tom Soh (Radiology, Electrical Engineering, and Bioengineering)
"A Platform for Examining Small Molecule-Mediated Manipulation of RNA"



Pradnya Narkhede
Mona M. Burgess Fellow, Stanford Bio-X SIGF 2023
Chemistry
Mentors: Or Gozani (Biology) and James Chen (Chemical & Systems Biology, Developmental Biology, and Chemistry)
"Cracking the eEF1A Code: Unraveling the Differential Roles and Disease Relevance of eEF1A Lysine Methylation States in Regulating Proteome-Wide Translation Dynamics"



Joseph Noh
Stanford Bio-X Bowes Fellow 2025
Biophysics, Medicine
Mentors: Karl Deisseroth (Bioengineering and Psychiatry & Behavioral Sciences), Christopher Barnes (Biology), and Ron Dror (Computer Science)
"Structure-Guided Optimization of Channelrhodopsin Function with Cryo-Electron Microscopy and Molecular Dynamics Simulations"



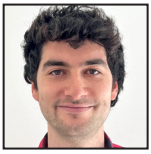
Kamsi Nwangwu
Stanford Bio-X Bowes Fellow 2025
Neurosciences, Medicine
Mentors: Michelle Monje (Pediatric Neurology) and Crystal Mackall (Pediatrics – Hematology & Oncology and Medicine – Blood & Marrow Transplantation)
"Optimizing the Effectiveness of GD2-CAR-T Cell Therapy by Modulating Neuronal Influences on Myeloid Cells"



Matthew Proefke
Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2025
Chemical Engineering
Mentors: Jennifer Cochran (Bioengineering) and Peter Jackson (Microbiology & Immunology and Pathology)
"Reprogramming Lung Cancer Through Targeted Modulation of Secreted Signals"



Divya Rajasekharan
Stanford Bio-X Bowes and Anonymous Donor Fellow 2023
Mechanical Engineering
Mentors: Leanne Williams (Psychiatry & Behavioral Sciences), Ellen Kuhl (Mechanical Engineering), and Laura Hack (Psychiatry & Behavioral Sciences)
"An Integrated Continuum Finite Element & Network Neuroscience Method for Understanding Mechanisms of Transcranial Magnetic Stimulation"



Daniel Richman
Stanford Bio-X Bowes Fellow 2025
Computer Science
Mentors: Ron Dror (Computer Science), Kathleen Sakamoto (Pediatrics – Hematology & Oncology), and Soichi Wakatsuki (Photon Science and Structural Biology)
"Designing a Peptide Therapeutic for Acute Myeloid Leukemia"



Aubrey Roberts
William and Lynda Steere Fellow, Stanford Bio-X SIGF 2024
Epidemiology & Clinical Research
Mentors: Michael Snyder (Genetics), Jonathan Long (Pathology), and Francois Haddad (Medicine – Cardiovascular Medicine)
"Optimizing Training: Physiological and Molecular Adaptations to High-Intensity Interval Training (HIIT) vs. Moderate-Intensity Continuous Training (MICT)"



Fredrik Samdal Solberg
Pierce Family Goldman Sachs Fellow, Stanford Bio-X SIGF 2022
Mechanical Engineering
Mentors: Mark Skylar-Scott (Bioengineering), Allison Okamura (Mechanical Engineering), and Michael Ma (Cardiothoracic Surgery)
"In Situ In Vivo *3D Bioprinting*"



Joshua Sampson
Stanford Bio-X Bowes Fellow 2021
Bioengineering
Mentors: Mark Skylar-Scott (Bioengineering), Steven Boxer (Chemistry), and Michael Ma (Cardiothoracic Surgery)
"Optical Coagulation for 3D Bioprinting in vitro *and Directed Hemostasis* in vivo*"*



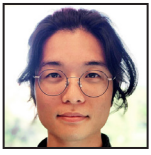
Gustavo Santiago-Reyes
Stanford Bio-X Bowes Fellow 2024
Bioengineering
Mentors: Russell Poldrack (Psychology) and Todd Coleman (Bioengineering)
"Modulation of Decision-Making Using Non-Invasive Vagus Nerve Stimulation"



Shuyu Shi
Stanford Bio-X Bowes Fellow 2025
Bioengineering
Mentors: Stephen Quake (Bioengineering and Applied Physics) and Ash Alizadeh (Medicine – Oncology)
"Genomic and Transcriptomic Monitoring of Immunosuppression-Associated Lymphomas from Noninvasive Viral and Host Detection"



Six Skov
Stanford Bio-X Bowes Fellow 2024
Mechanical Engineering
Mentors: Scott Delp (Bioengineering and Mechanical Engineering), Karen Liu (Computer Science), and John Day (Neurology & Neurological Sciences and Pediatrics – Medical Genetics)
"Developing in the Wild Motion Capture for Exoskeleton Use in Charcot-Marie-Tooth Patients"



Jun Ho Song
Stanford Bio-X Bowes Fellow 2023
Biology
Mentors: Liqun Luo (Biology) and Scott Linderman (Statistics)
"Deconstructing the Serotonin System: Projectomes, Transcriptomes, and Animal Behavior"



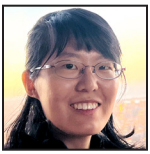
Crystal Stackhouse
Stanford Interdisciplinary Graduate Fellow (Anonymous Donor),
Stanford Bio-X SIGF 2025
Biophysics
Mentors: Joseph Puglisi (Structural Biology), Daniel Herschlag (Biochemistry), and Elisabetta Viani Puglisi (Structural Biology)
"Mechanistic Role of Highly Structured 5′ UTR RNA in Translation Initiation"



Jiankai Sun
Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2024
Aeronautics & Astronautics
Mentors: Mac Schwager (Aeronautics & Astronautics), Scott Delp (Bioengineering and Mechanical Engineering), and Mykel Kochenderfer (Aeronautics & Astronautics)
"Wearable Intelligence for Healthcare Robotics: From Brain Activity to Body Movements"



Javier Weddington
Stanford Bio-X Bowes Fellow 2022
Neurosciences
Mentors: Stephen Baccus (Neurobiology) and Nick Haber (Education and Computer Science)
"Rapid Perceptual Learning in Rewarded Tasks – The Efficient Learning Hypothesis"



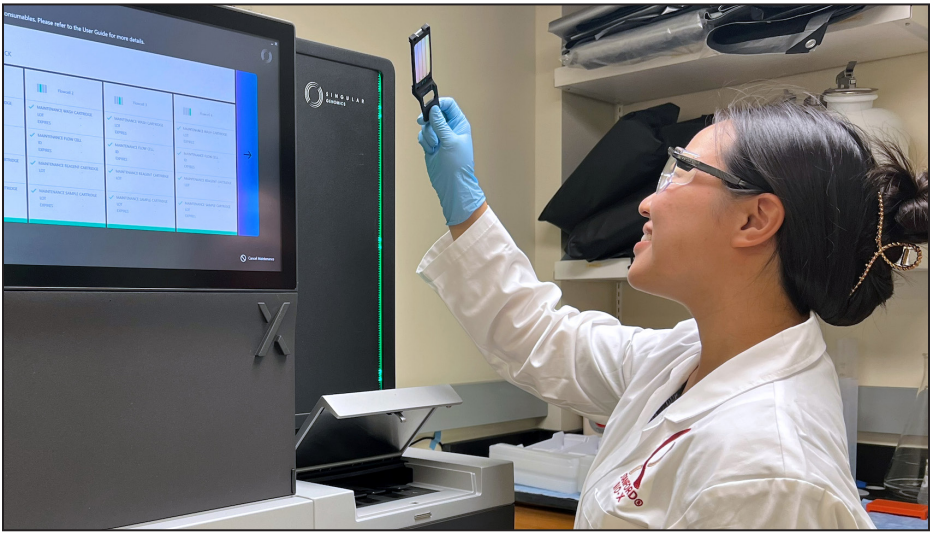
Yuxin Wu
Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2025
Electrical Engineering
Mentors: Paul Nuyujukian (Bioengineering and Neurosurgery) and Monroe Kennedy (Mechanical Engineering)
"Studying Computation Capacity of Motor Cortex Using a Spiking Neural Network Based Robotic System"



Maiya Yu
Stanford Bio-X Bowes Fellow 2024
Structural Biology
Mentors: Jeff Axelrod (Pathology), Liang Feng (Molecular & Cellular Physiology), and Alexander Dunn (Chemical Engineering)
"Parsing Molecular Determinants of Asymmetry in Planar Cell Polarity Signaling"



Wenyan (Lucy) Zhang
Pierce Family Goldman Sachs Fellow, Stanford Bio-X SIGF 2025
Genetics
Mentors: Casey Gifford (Pediatrics – Cardiology and Genetics) and Michael Bassik (Genetics)
"Linking Inflammation and Congenital Heart Disease Using a Cardioimmune Organoid System"



Colella Family Fellow, Stanford Bio-X SIGF Helen Wang (see pg. 13 for research details)

Where are they now?

371 of our Stanford Bio-X Fellows have graduated and gone on to utilize what they have learned in the corporate, academic, and governmental sectors...

Amin Aalipour (Stanford Bio-X Fellow 2017) is a Clinical Fellow in Hematology & Oncology at Dana-Farber Cancer Institute.

Namiko Abe (Paul Berg Interdisciplinary Biomedical Graduate Fellow, Stanford Bio-X SIGF 2006) is the Associate Director, Global Publications Operations, at Johnson & Johnson.

Shelley Ackerman (Stanford Bio-X Bowes Fellow 2014) is VP of Research at ImmunEdge.

Eliza Adams (Stanford Bio-X Bowes Fellow 2017) is Chief Operating Officer at Clarify Health.

Afsheen Afshar (Stanford Bio-X Bowes Fellow 2005) is the Founder and Managing Member of Pilot Wave Holdings, the first investment firm in the world dedicated to bringing world-class technologies to small businesses.

Atish Agarwala (Stanford Bio-X Bowes Fellow 2015) is a research scientist at Google, where he is studying the connections between physics, evolution, and machine learning.

Rachel Agoglia (Stanford Bio-X Honorary Fellow 2016) is a Global Pharma Applications & Bioinformatics Manager at Mission Bio.

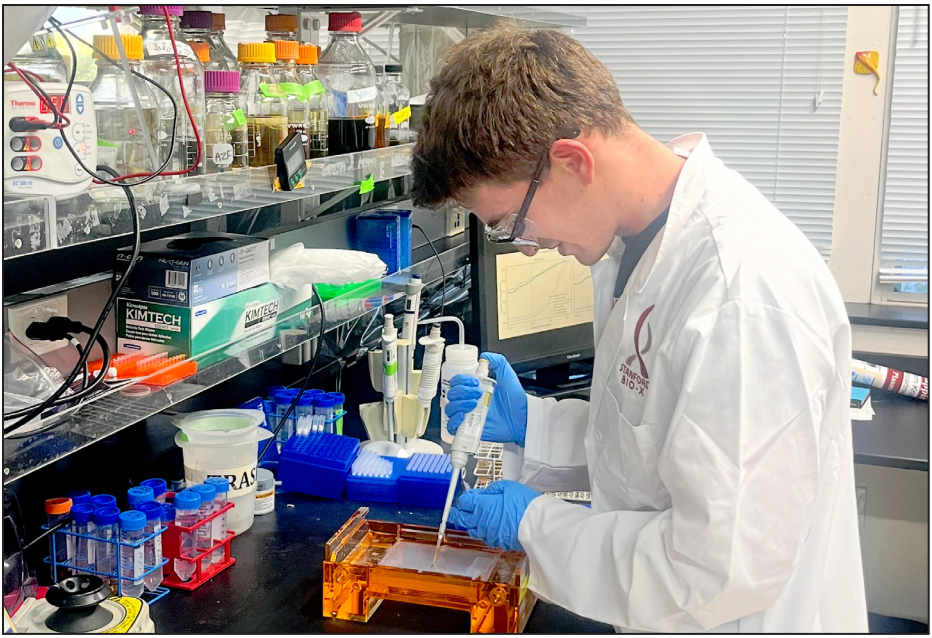
Carlos Aldrete (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2023) is a Senior Scientist I at GeneFab.

Ron Alfa (Stanford Bio-X Bowes Fellow 2011) is the CEO and co-founder of Noetik, an AI-native biotechnology company. Their mission is to leverage advanced machine learning methods to discover and develop cancer immunotherapies.

Laura Amaya Hernandez (Stanford Bio-X Bowes Fellow 2020) is a postdoctoral fellow at Caltech working in Dr. Magdalena Zernicka-Goetz's laboratory.



Stanford Bio-X Fellows Group Photo 2015



Stanford Bio-X Bowes Fellow Haim Krupkin (see pg. 6 for research details)

Katherine Amberg-Johnson (William and Lynda Steere Fellow, Stanford Bio-X SIGF 2016) is a principal scientist at Schrodinger, a biotechnology company that uses a physics-based computational platform to accelerate drug development.

Meelad Amouzgar (Felix and Heather Baker Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2023) is a postdoctoral fellow at Stanford working with Dr. Theodore Roth (Pathology), Dr. Zinaida Good (Medicine), and Dr. Allison Betof (Medicine).

Suhaas Anbazhakan (Stanford Bio-X Bowes Fellow 2018) is a clinical data scientist on the Health team at Meta.

Andrés Aranda-Díaz (Stanford Bio-X Bowes Fellow 2016) is a postdoctoral researcher at the Barcelona Institute for Global Health. Andrés is empowering Sub-Saharan African scientists and public health personnel to conduct malaria genomic epidemiology in the continent.

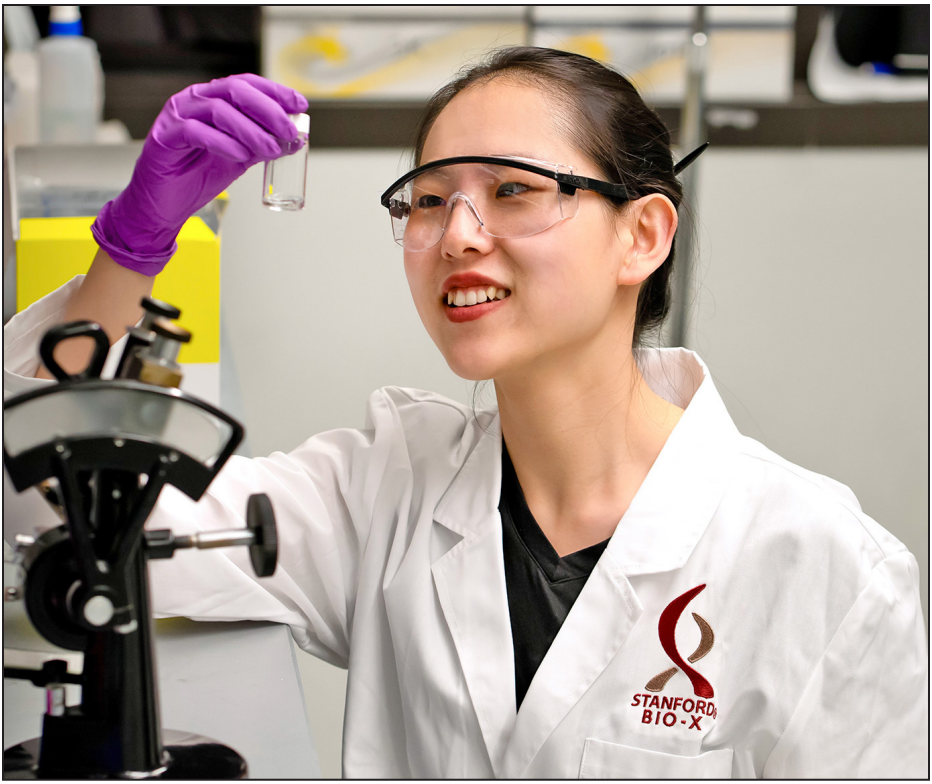
Edith Arnold (Stanford Bio-X Bowes Fellow 2006) is working at Apple Inc. as a Senior Engineering Manager leading a mechanical characterization and prototyping team within Product Design.

George Asimenos (Stanford Bio-X Bowes Fellow 2005) is the Chief Product and Technology Officer at DNAnexus, a Stanford-spawned startup company which sits at the intersection of two of the most ground-breaking fields: cloud computing and genomics.

Oğuzhan Atay (Colella Family Fellow, Stanford Bio-X SIGF 2014) is the co-founder and CEO of BillionToOne, a publicly listed (NASDAQ: BLLN) next-generation molecular diagnostics company. BillionToOne's proprietary and patented Quantitative Counting Templates (QCT) platform unlocks transformative improvements in prenatal screening and liquid biopsy for cancers.

Manish Ayushman (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2021) is a Cancer Research Institute Irvington postdoctoral scholar in the Wendell Lim lab at the University of California, San Francisco.

Lawrence Bai (Stanford Bio-X Bowes Fellow 2019) is a Product Director, Precision Oncology at Quest Diagnostics, where he works to bring new oncology diagnostic tests to market. Previously, he worked as a Life Sciences Consultant at L.E.K. Consulting on corporate strategy projects across the life sciences industry, including biopharma, pharma services, diagnostics, and medical devices.



Stanford Bio-X Bowes Fellow Ling-Yi (Elise) Zhang (see pg. 15 for research details)

Aakash Basu (Stanford Bio-X Bowes Fellow 2009) is an Assistant Professor in the Department of Biosciences at Durham University.

Eva Gabriela Baylon (Stanford Bio-X Skippy Frank Fellow 2014) is a Principal Systems Engineer with Abbott.

Daniel Bechstein (Stanford Bio-X Bowes Fellow 2012) is a Sensor System Architect at Apple, Inc.

Kaisha Benjamin (Stanford Bio-X Bowes Fellow 2019) is a recipient of a 3-year High Potential Individual UK visa and relocated to the UK in September 2025.

Preksha Bhagchandani (Morgridge Family SIGF Fellow, Stanford Bio-X SIGF 2022) is a resident physician at Brigham and Women's Hospital.

Salil Bhate (Bruce and Elizabeth Dunlevie Fellow, Stanford Bio-X SIGF 2016) is a research leader at Isomorphic Labs.

Elsa Birch (Stanford Bio-X Bowes Fellow 2009) is a lead Data Engineering at Roebling, where they're building the next generation of bioprocess infrastructure planning software.

Johannes Birgmeier (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2017) is working for Citadel Securities in Zurich.

Jennifer Brady (Stanford Bio-X Skippy Frank Fellow 2010) is a Senior Principal Scientist, Lab Head in the Research Biology division at Genentech, focused on Cardiovascular, Renal, and Metabolic disease.

Relly Brandman (Stanford Bio-X Bowes Fellow 2004) is a Moonshot Lead at X, the moonshot factory.

Cecelia Brown (Stanford Bio-X Bowes Fellow 2021) is currently exploring opportunities in the pharmaceutical and biotech industry. She is particularly interested in drug development roles where she can contribute to bringing innovative therapies from concept to clinic.

Craig Buckley (Stanford Bio-X Bowes Fellow 2011) graduated in 2015.

Matthew Bull (Stanford Bio-X Honorary Fellow 2015) is a member of technical staff at Unconventional AI.

Betty Cai (Stanford Bio-X Bowes Fellow 2024) is a postdoctoral fellow at the University of British Columbia in the laboratory of Dr. Maria Holuszko.

Pamela Cai (Stanford Bio-X Honorary Fellow 2019) is a Senior Polymer Scientist at Until.

David Camarillo (Stanford Bio-X Bowes Fellow 2004) is an Associate Professor in the bioengineering department at Stanford University and co-founder of SoftShox, Inc.

Shengya Cao (Morgridge Family SIGF Fellow, Stanford Bio-X SIGF 2013) is a part of the Inceptive team in Palo Alto.

Chien-Yi Chang (Stanford Bio-X Bowes Fellow 2020) is an Assistant Professor of Law and Assistant Professor of Computer Science at Durham University.

Je-Rui "Ray" Chang (Morgridge Family SIGF Fellow, Stanford Bio-X SIGF 2021) is a Biodesign Innovation Fellow at Stanford. He will be developing a medical device in gastroenterology.

Mindy Chang (Stanford Bio-X Bowes Fellow 2005) is exploring the intersection of art and health.

Binbin Chen (Stanford Bio-X Bowes Fellow 2018) is the co-founder and CEO of Vcreate, Inc. focusing on computationally linking T-cell receptors and antigen targets for immunotherapies.

Crystal Chen (Stanford Bio-X Bowes Fellow 2023) is a postdoctoral scholar in Stanley Qi's lab at Stanford, working on synthetic biology tools for cancer immunotherapies.

Elizabeth Chen (Rogers Family Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2013) is a principal scientist in the immunology-dermatology department at Johnson & Johnson (J&J) in San Diego, working on analyzing sequencing datasets of patients enrolled in J&J's clinical trials.

Ian Chen (Stanford Bio-X Bowes Fellow 2006) is an Assistant Professor of Medicine and Radiology at Stanford University.

Jin Chen (Lubert Stryer Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2012) is a Vice President, Discovery Science, at Altos Labs.

Shi-An Chen (Morgridge Family SIGF Fellow, Stanford Bio-X SIGF 2018) is a scientist at Altos Labs, a start-up working on cellular rejuvenation.

Xinyi Chen (Bruce and Elizabeth Dunlevie Fellow, Stanford Bio-X SIGF 2022) is a postdoctoral research fellow at Brigham and Women's Hospital/Harvard Medical School.

Junhong Choi (Stanford Bio-X Bowes Fellow 2015) is an Assistant Professor at the Memorial Sloan-Kettering Cancer Center.

Fang-Chieh Chou (Stanford Bio-X Fellow 2012) is a senior staff engineer at DoorDash.

Vincent Chu (Stanford Bio-X Pfizer Fellow 2005) is the CTO and co-founder of HomeVision.

Virginia Chu (Stanford Bio-X Bowes Fellow 2005) is an Associate Professor of Occupational Therapy at Virginia Commonwealth University.

Zonghe Chua (Lubert Stryer Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2020) is an Assistant Professor at Case Western Reserve University in the Department of Electrical, Computer & Systems Engineering.

Kelsey Clark (Stanford Bio-X Bowes Fellow 2007) is an Instructor at Montana State University.

Roshni Cooper (Morgridge Family SIGF Fellow, Stanford Bio-X SIGF 2012) is a machine learning manager at Netflix, where her team is working with movie creators to leverage generative AI to bring their creative visions to life.

Madeline Cooper (Lavidge and McKinley Interdisciplinary Fellow, Stanford Bio-X SIGF 2020) is a Neurology Resident at the University of California, San Francisco.

Robert Coukos (Stanford Bio-X Skippy Frank Fellow 2019) is a postdoctoral fellow in the lab of Professor Dimitri Krainc, MD, PhD, Chair of the Department of the Neurology in the Feinberg School of Medicine at Northwestern University.

Jing-yu Cui (Stanford Bio-X Bowes Fellow 2011) is working at Google as a software engineer.

Kiara Cui (Stanford Bio-X Bowes Fellow 2018) is a senior scientist in Formulation and Process Development at Gilead Sciences, a biopharmaceutical company focusing on the development of therapeutics for HIV, viral hepatitis, emerging viruses, oncology, and inflammatory diseases.

Rebecca Culver (Stanford Bio-X Honorary Fellow 2019) is a team lead, senior software engineer, at Curve Biosciences.

Anna Cunningham (Morgridge Family SIGF Fellow, Stanford Bio-X SIGF 2015) is a software engineer at Freenome, a biotech company developing blood-based assays for early detection of multiple cancers.

Sanjay Dastoor (Stanford Bio-X Bowes Fellow 2006) is working on a new project in manufacturing. He started and sold two prior startups, Skip and Boosted, in the light electric vehicle space.

Olivia de Goede (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2019) is a data scientist at AbCellera.

Adam de la Zerda (Stanford Bio-X Skippy Frank Fellow 2008) is an Associate Professor of Structural Biology at Stanford University and the Founder and CEO of Visby Medical.

Adi de la Zerda (Stanford Bio-X Fellow 2013) is doing technical project management and business development at Applied Materials. Previously, she was a lecturer of materials science and engineering at Stanford.

Ana Sofia de Olazarra (Affymetrix Bio-X Fellow, Stanford Bio-X SIGF 2021) is a Senior Bioinformatics Scientist at Tempus AI.

Christopher Dembia (Stanford Bio-X Bowes Fellow 2016) is a Vehicle Dynamics Simulation Engineer at Zoox.

Sarah Denny (Stanford Bio-X Honorary Fellow 2013) is Vice President of Research with Scribe Therapeutics. She leads their research groups advancing a therapeutic pipeline with purpose-built CRISPR systems.

Darrel Deo (Mona M. Burgess Fellow, Stanford Bio-X SIGF 2016) is an Instructor at Stanford School of Medicine, Department of Neurosurgery.

Mario Diaz de la Rosa (Stanford Bio-X Bowes Fellow 2008) is a senior data scientist at Deloitte Consulting.

Rebecca DiMarco (Stanford Bio-X Bowes Fellow 2009) is a substance use disorder and addiction recovery counselor.

Sheng Ding (Stanford Bio-X Bowes Fellow 2007) works at Gilead, one of the world's leaders in the biopharma industry, as a Director of Protein Therapeutics.

Melody Dong (Stanford Bio-X Honorary Fellow 2017) is a Principal Clinical Scientist at Abbott.

Graham Dow (Stanford Bio-X Bowes Fellow 2009) is a group leader at NIAB (National Institute of Agricultural Botany) in Cambridge, UK.

Michelle Drews (Stanford Bio-X Fellow 2021) is a pediatric intern at Nationwide Children's Hospital.

Haotian Du (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2021) is a Scientist II in Computational Protein Generation at Generate Biomedicine, a start-up that works on applying protein generative modeling to develop novel therapeutic solutions.

Karen Dubbin (Stanford Bio-X Bowes Fellow 2013) is a Principal Engineer at Stryker.

Remy Durand (Bruce and Elizabeth Dunlevie Fellow, Stanford Bio-X SIGF 2010) is the founder and Chief Executive Officer of a stealth, venture-backed biotech company. Previously, he served as the Chief Business Officer of Alpine Immune Sciences, which was acquired by Vertex Pharmaceuticals for $4.9 billion in 2024.

Stephan Eismann (Stanford Bio-X Bowes Fellow 2019) is leading the machine learning team at Atomic AI, Inc. located in San Francisco.

Anna Elleman (Bruce and Elizabeth Dunlevie Fellow, Stanford Bio-X SIGF 2018) is a postdoctoral fellow in the molecular and cell biology department at the University of California, Berkeley.

Christopher Emig (Stanford Bio-X Bowes Fellow 2011) is a Rapid Evaluator at X, The Moonshot Factory. Previously, he was the co-founder and CEO of Augmenta Bioworks.

Nir Even-Chen (Stanford Bio-X Bowes Fellow 2015) is a Director of Head of Brain Interfaces Applications at Neuralink.

Yuhang Fan (Enlight Foundation Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2020) is a Professor in the School of Physics at Xi'an Jiaotong University.

Corey Fernandez (Bruce and Elizabeth Dunlevie Fellow, Stanford Bio-X SIGF 2019) is an Assistant Professor of Psychology at Nevada State University.

Jonas Fowler (Stanford Bio-X Honorary Fellow 2019) is an Associate Director of Preclinical Translation at Azalea Therapeutics.

Gabriela Fragiadakis (Stanford Bio-X Bowes Fellow 2013) is an Associate Professor at the University of California, San Francisco in Systems Immunology and Data Science.



Stanford Bio-X Bowes Fellow Alan Su (see pg. 11 for research details)

Limor Freifeld (Bruce and Elizabeth Dunlevie Fellow, Stanford Bio-X SIGF 2010) is a Senior Lecturer (a position equivalent to assistant professor) at the Faculty of Biomedical Engineering at the Technion, Israel Institute of Technology.

Stephen Fried (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2012) is Associate Professor in the Departments of Chemistry and Biophysics at Johns Hopkins University.

Julia Fukuyama (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2014) is an Associate Professor in the Department of Statistics at Indiana University.

Xiaojing Gao (Enlight Foundation Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2012) is an Assistant Professor of Chemical Engineering at Stanford.

Pablo Garcia-Nieto (Stanford Bio-X Bowes Fellow 2017) is a member of technical staff at Anthropic.

Courtney Gegg (Stanford Bio-X Bowes Fellow 2016) is an engagement manager at Headland Strategy Group.

Tony Ginart (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2019) is the Founder and CEO of Spellshot.

David R. Glass (Morgridge Family SIGF Fellow, Stanford Bio-X SIGF 2018) is a postdoc in the Fred Hutchinson Cancer Center.

David S. Glass (Stanford Bio-X Bowes Fellow 2013) is an Assistant Professor in the Laufer Center at Stony Brook University.

Caleb Glassman (Stanford Bio-X Honorary Fellow 2017) is a postdoc in Steve Elledge's lab at Harvard Medical School.

Emma del Carmen Gonzalez Gonzalez (Stanford Bio-X Bowes Fellow 2018) is a Senior Research Specialist at Dow.



Stanford Bio-X Bowes Fellow Haoyu Dai (see pg. 5 for research details)



William and Lynda Steere Fellow, Stanford Bio-X SIGF Yash Shah (see pg. 9 for research details)

Peyton Greenside (Morgridge Family SIGF Fellow, Stanford Bio-X SIGF 2015) is the co-founder and CEO of BigHat Biosciences.

Viviana Gradinaru (Colella Family Fellow, Stanford Bio-X SIGF 2008) is a Professor of Neuroscience and Biological Engineering at the California Institute of Technology (Caltech). She is also the Director and Davis Leadership Chair of the Merkin Institute for Translational Research and Faculty Advisor of the Beckman Institute Center for Neurotechnologies CLOVER.

Alex Grant (Stanford Bio-X Bowes Fellow 2010) is the SVP of Engineering at the startup Ceribell, Inc.

Sarah Divel Grau (Stanford Bio-X Bowes Fellow 2016) is a Staff Innovation Engineer at RapidAI.

Adam Grossman (Stanford Bio-X Bowes Fellow 2004) is a Director, Head of Casualty Emerging Risk at Moody's Insurance Solutions. Adam joined Moody's via the acquisition of Praedicat, Inc., where he was a co-founder and Senior Vice President of Emerging Risk.

Gunsagar Gulati (Stanford Bio-X Bowes Fellow 2018) is an Instructor in Medicine and Medical Oncology at Dana-Farber Cancer Institute.

Lisa Gunaydin (Stanford Bio-X Bowes Fellow 2008) is an Associate Marriage and Family Therapist in a group private practice setting as well as an Adjunct Professor in the Counseling Psychology departments at both Palo Alto University and Santa Clara University.

"Through Bio-X events and programs, I have had the opportunity to connect with researchers across disciplines. I learned about different approaches and areas of research than was possible through my department or my program alone. Being a part of the Bio-X community made my graduate experience stronger."

— Sarah Denny, Stanford Bio-X Fellow

Amalia Hadjitheodorou (Stanford Bio-X Bowes Fellow 2014) is a Principal with the Boston Consulting Group doing Healthcare Strategy and Operations work.

Mary Hall (Stanford Bio-X Bowes Fellow 2018) is a Senior Industry Marketing Engineer at MathWorks.

Shuo Han (Stanford Bio-X Bowes Fellow 2017) is a Principal Investigator at the Shanghai Institute of Biochemistry and Cell Biology.

Yukun (Alex) Hao (Stanford Bio-X Bowes Fellow 2020) is a postdoc researcher in the Hie lab at Stanford and works at the interface of generative genomics and neuroscience.

Kevin Hart (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2015) is a Senior Scientist at Kite Pharma.

Lindsey Hasak (Stanford Bio-X Fellow 2019) is the Director of Research and Partnerships for the Stanford Language to Literacy Research Lab.

Fidel Hernandez (Stanford Bio-X Honorary Fellow 2013) is a Director of Private Equity Portfolio Operations at Elliott Investment Management.

Jennifer Hicks (Stanford Bio-X Bowes Fellow 2007) is Executive Director of the Wu Tsai Human Performance Alliance at Stanford, with a focus on collaborative research projects and programs to advance our understanding of the biological principles underlying human performance. Dr. Hicks also serves as the co-Director the Mobilize Center, an NIH Biomedical Technology Resource Center at Stanford University and the FAIR Center, an NIH-funded center that is developing and applying foundational AI for rehabilitation research.

Tyler Hillman (Stanford Bio-X Bowes Fellow 2008) is a gynecologic oncologist and Associate Professor of OBGYN & Reproductive Sciences at the University of California, San Diego. His clinical practice focuses on the genetics of rare gynecologic malignancies.

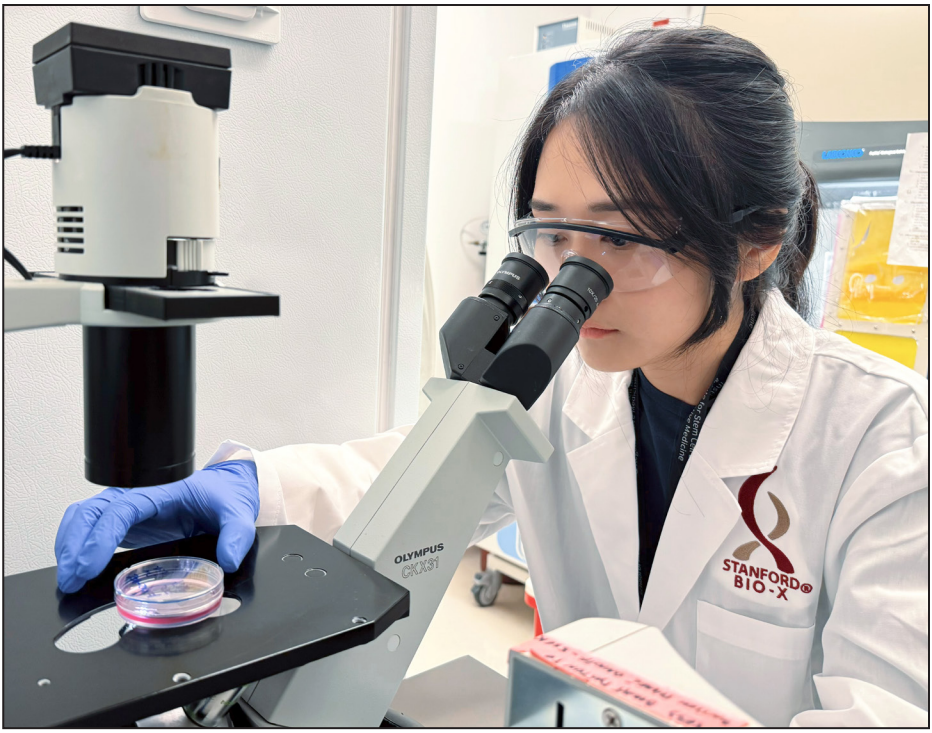
Jacob Horne (Stanford Bio-X Bowes Fellow 2022) is a postdoctoral research associate at Washington University.

Nina Horowitz (Mona M. Burgess Fellow, Stanford Bio-X SIGF 2019) is the CEO of ImmuneBridge, a start-up with the unique capacity to expand stem cells from cord blood for inexpensive manufacturing of cancer immunotherapies.

Timothy Horton (City Hill Foundation Stanford Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2017) is a scientist at Transpire Bio, Inc., in Weston, Florida.



Stanford Bio-X Fellows Group Photo 2023



Felix and Heather Baker Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF, Stanford Bio-X SIGF Jiayi Wu (see pg. 13 for research details)

Zahid Hossain (Morgridge Family SIGF Fellow, Stanford Bio-X SIGF 2014) is a perception systems architect at Meta.

Brian Hsueh (Bruce and Elizabeth Dunlevie Fellow, Stanford Bio-X SIGF 2015) is a resident physician in neurosurgery at the Massachusetts General Hospital.

Eva Huang (Stanford Bio-X Bowes Fellow 2014) is a Supervising Staff Scientist at Cellares.

Kexin Huang (Lubert Stryer Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2023) is a co-founder at Phylo AI, a start-up that builds an AI-native workspace for biologists to automate day-to-day research tasks.

Jacob Hughey (Stanford Bio-X Bowes Fellow 2007) is an Adjunct Assistant Professor of Biomedical Informatics and Biological Sciences at Vanderbilt University. He works as a Core Team Member of the Agency Fund, a new philanthropic initiative whose mission is to invest in ideas and organizations that expand human agency.

Sarah Hull (Rogers Family Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2019) is a senior scientist at Gilead Sciences.

Haisam Islam (Stanford Bio-X Bowes Fellow 2010) is a software development engineer at Amazon.

Johnny Israeli (Bruce and Elizabeth Dunlevie Fellow, Stanford Bio-X SIGF 2016) is an engineering lead at NVIDIA.

Ivan Ivanov (Tusher Family Stanford Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2015) is a staff research and development engineer at the Chan Zuckerberg Biohub.

Kwang Eun Jang (Stanford Bio-X Bowes Fellow 2014) recently completed his postdoctoral fellowship and is currently exploring employment opportunities.



Stanford Bio-X Fellows Group Photo 2019

Xiaofan Jin (Stanford Bio-X Bowes Fellow 2014) is an Assistant Professor of Biomedical Engineering at the University of Calgary.

YoungJu Jo (Stanford Bio-X Bowes Fellow 2020) is an Assistant Professor in the Department of Electrical Engineering and Computer Sciences at the University of California, Berkeley.

Rachel Kalmar (Stanford Bio-X Bowes Fellow 2005) is a Principal Product Manager at Moderna.

Minji Kang (Rogers Family Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF) will continue her postdoctoral research in the Newman Lab at Stanford University, focusing on the identification of high-potency cancer cells and the characterization of the tumor microenvironment surrounding them.

Mihalis Kariolis (Stanford Bio-X Bowes Fellow 2008) is the VP, Head of Non-Viral, at Voyager Therapeutics.

Kristjan Eerik Kaseniit (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2021) co-founded Radar Therapeutics after graduating in Fall 2022, around a part of his Bio-X research project creating mRNAs whose expression can be targeted to specific cell types and states.

Jasmine Kaslow (Stanford Bio-X Honorary Fellow 2015) is a product analyst at Google.

Catie Meis Kasse (William and Lynda Steere Fellow, Stanford Bio-X SIGF 2020) is a senior scientist at Donaldson Company, Inc.

Katy Keenan (Stanford Bio-X Bowes Fellow 2006) is the Project Leader in Quantitative MRI at the National Institute of Standards and Technology (NIST) in Boulder, Colorado.

Hannah Kempton (Stanford Bio-X Honorary Fellow 2017) is a scientist at Stylus Medicine.

Margarita Khariton (Lavidge and McKinley Interdisciplinary Fellow, Stanford Bio-X SIGF 2017) is Head of Engineering Operations at b.next.

Carolyn Kim (Mona M. Burgess Fellow, Stanford Bio-X SIGF 2017) is a researcher at Genesis Therapeutics.

Daniel Kim (Stanford Bio-X Bowes Fellow 2015) is a Physician Scientist at Memorial Sloan Kettering Cancer Center.

Jongmin Kim (Bruce and Elizabeth Dunlevie Fellow, Stanford Bio-X SIGF 2011) is an Assistant Professor in the Department of Biomedical and Translational Sciences at Cornell University.

Jun Woo Kim (Stanford Bio-X Bowes Fellow 2013) is a postdoc with Dr. Julien Sage at Stanford.

Samuel Kim (Stanford Bio-X Bowes Fellow 2004) is an Associate Director of Bioinformatics at Assembly Biosciences.

Yoon Seok Kim (Stanford Bio-X Bowes Fellow 2016) is an Assistant Professor at EPFL in Switzerland.

Daniel Kimmel (Affymetrix Bio-X Fellow, Stanford Bio-X SIGF 2006) is a Clinical Director, Neuropsychiatry in drug development at Bristol Myers Squibb.

Ryosuke Kita (Stanford Bio-X Bowes Fellow 2013) is Head of AI Product at Noetik.

Benjamin Knapp (Colella Family Fellow, Stanford Bio-X SIGF 2020) is a research investigator at Bristol Myers Squibb.

Fikunwa Kolawole (Felix and Heather Baker Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2021) is a medical student in clinical rotations at Stanford University. As an aspiring physician-scientist, he aims to focus on improving management of cardiovascular diseases by combining engineering and medicine.

Elgin Korkmazhan (Stanford Bio-X Bowes Fellow 2018) is a postdoctoral scholar at the Schier lab at Biozentrum, University of Basel, working on vertebrate embryogenesis.

Benjamin Kotopka (Stanford Bio-X Bowes Fellow 2015) is the Head of Data Science at Antheia, a startup enabling the discovery and production of plant-inspired drugs through a pioneering approach to bioengineering and fermentation.

Brad Krajina (Stanford Bio-X Bowes Fellow 2015) is the owner and director of BK SciViz, a scientific visualization and animation studio located in Seattle.

Rachael Kretsch (Stanford Bio-X Bowes Fellow 2021) is a Junior Fellow at the Society of Fellows, Harvard University.



Stanford Bio-X Bowes Fellow Sydney Covitz (pictured at left) with champion Paralympic athlete and recent Stanford alumna Sydney Barta (right) (see pg. 4 for research details)

Deepak Krishnamurthy (Stanford Bio-X Bowes Fellow 2015) is an incoming Assistant Professor in the department of Mechanical Engineering at UC Berkeley starting January 2027.

Gaurav Krishnamurthy (Stanford Bio-X Medtronic Fellow 2008) is Partner at The Foundry (a leading medical device incubator) and Chief Operating Officer of uLink Labs.

Thomas Lampo (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2013) is a Senior Manager of Data and Applied Science at Uber.

Frances Lau (Stanford Bio-X Bowes Fellow 2007) is a Senior Manager of Systems Integration at Johnson & Johnson, working on surgical robotics.

Melinda Cromie Lear (Paul Berg Interdisciplinary Biomedical Graduate Fellow, Stanford Bio-X SIGF 2008) is a Senior Staff Systems Engineer at Johnson & Johnson MedTech.

Paul Lebel (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2011) is a senior staff R&D engineer at the Chan Zuckerberg Biohub.

Andrew Lee (Stanford Bio-X Bowes Fellow 2010) is the founder and managing director of the StartX-QB3 joint technology venture, a co-founder of StartX Med, and also a co-founder of the biotech spin-out startup, Stem Cell Theranostics.

Austin Lee (Stanford Bio-X Bowes Fellow 2011) is a Senior Director of Product, Diagnostics Software & Services with ResMed in San Diego, CA. He leads the product organization that builds innovative digital workflow and service offerings to diagnose and care for patients' sleep health. He previously held corporate and portfolio strategy roles at Resmed as well as served as a consultant with The Boston Consulting Group.

Hong-Pyo Lee (Stanford Bio-X Bowes Fellow 2017) is a founder and CTO at MEDiC Life Sciences.

Soah Lee (Stanford Bio-X Bowes Fellow 2012) was promoted to an Associate Professor in the School of Pharmacy at Sungkyunkwan University in South Korea this year.

Stephen Lee (Stanford Bio-X Bowes Fellow 2005) is a principal consultant for Work Networks.

Bauer LeSavage (Stanford Bio-X Bowes Fellow 2018) is a Research Associate at Dimension Capital in San Francisco, investing at the frontiers of science and compute.

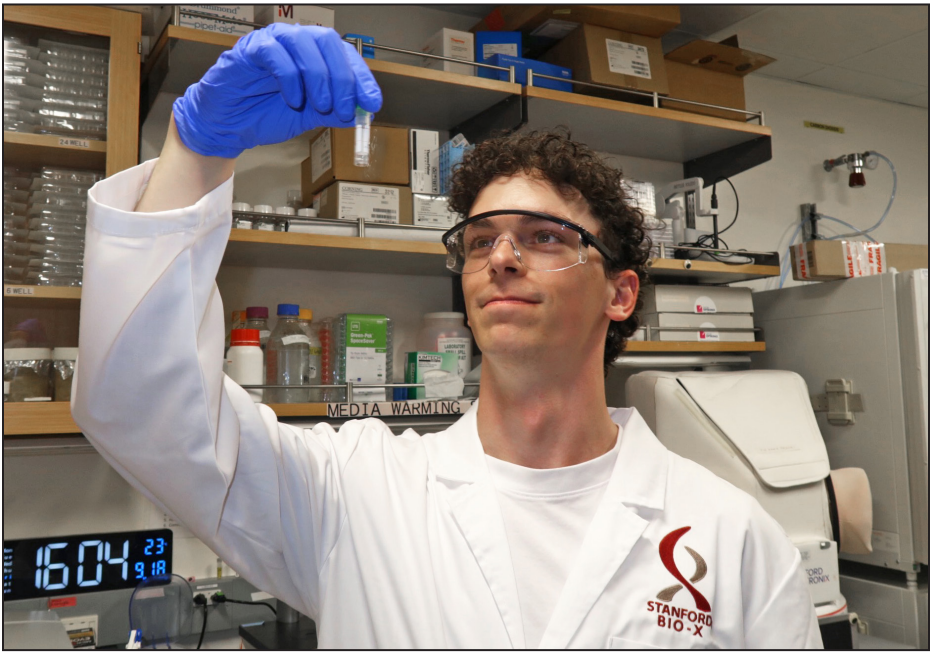
Michael Leung (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2016) is Associate Director of Product Management at Topcon Healthcare, delivering next generation products for Healthcare from the Eye.

Steven Leung (Stanford Bio-X Bowes Fellow 2013) is a Lead Software Engineer at MaxQ Medical.

Hongquan Li (Paul Berg Interdisciplinary Biomedical Graduate Fellow, Stanford Bio-X SIGF 2017) is a co-founder and CEO of Cephla, a startup building open and versatile microscope platforms with the goal of accelerating discoveries and solutions.



Stanford Bio-X Fellows Group Photo 2016



Paul Berg Interdisciplinary Biomedical Graduate Fellow, Stanford Bio-X SIGF Hunter King
(see pg. 6 for research details)

Veronica Li (Bruce and Elizabeth Dunlevie Fellow, Stanford Bio-X SIGF 2021) is a scientist at Vessel Sciences.

Ye (Henry) Li (William and Lynda Steere Fellow, Stanford Bio-X SIGF 2013) is the co-founder of a startup in stealth mode.

Liang Liang (Lubert Stryer Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2009) is an Associate Professor of Neuroscience at Yale University.

Orly Liba (Stanford Bio-X Bowes Fellow 2014) works at YouTube as a senior staff research scientist, tech lead for video generation and agentic workflows.

Prasheel Lillaney (Stanford Bio-X Bowes Fellow 2005) is a director of decision science and AI at GSK.

Sungwon Lim (Stanford Bio-X Bowes Fellow 2011) is the co-founder and CEO of ImpriMed, Inc., a start-up that develops an AI-driven precision medicine service for pets with cancer.

Catherine Liou (Stanford Bio-X Bowes Fellow 2018) is continuing in the Sattely Lab at Stanford to finish up work investigating the impact of gut microbial metabolism on dietary plant compounds.

Chao Liu (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2015) is a staff scientist at the Lawrence Livermore National Lab.

Chunzi Liu (Stanford Bio-X Bowes Fellow 2019) is a postdoctoral fellow at UC Berkeley, studying the evolution of cell surfaces under the advice of Professor Daniel Fletcher.

Daniel Liu (Seth A. Ritch Graduate Fellow, Stanford Bio-X SIGF 2023) is a resident physician at Stanford in Anatomic & Neuropathology as part of the Physician-Scientist Incubator Track. His research interests are in neural stem cell biology during human brain development and postnatal life.

Erica Liu (Stanford Bio-X Bowes Fellow 2022) is Vice President of Research at Cision Vision, a medical imaging startup.

Zhiru Liu (Stanford Bio-X Bowes Fellow 2022) is a Postdoctoral Research Scholar in the laboratory of Dr. Benjamin Greenbaum at the Sloan Kettering Institute for Cancer Research, where he develops computational approaches to guide the design of mRNA cancer vaccines.

Andreas Loening (Stanford Bio-X Bowes Fellow 2004) is an Associate Professor in the Department of Radiology at Stanford University.

Kang Yong Loh (Stanford Bio-X Bowes Fellow 2021) will be an Arc Institute postdoc with Karl Deisseroth and Christoph Thaiss beginning January 2027.

Chris Long (Stanford Bio-X Fellow 2021) is a decision analytics associate consultant at ZS Associates, a consulting firm that advises clients working on novel pharmaceutical and medical technology developments.

Mark D. Longo (Morgridge Family SIGF Fellow, Stanford Bio-X SIGF 2011) is the Chief Technology Innovation Officer at Sirona Medical, where he is helping to build a next generation AI-powered radiologist workstation.

Molly Lucas (Stanford Bio-X Bowes Fellow 2019) is the Director of Machine Learning at Precision Neuroscience.

Bertrand Lui (Lubert Stryer Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2006) co-founded SetSail (acquired by ZoomInfo) and is currently a Director of Product at Moloco.

Li Ma (Larry Yung Fellow, Stanford Bio-X SIGF 2009) is a Professor of Statistics and Data Science at the University of Chicago.

Niru Maheswaranathan (Stanford Bio-X Honorary Fellow 2013) is a research scientist at Facebook Reality Labs working on neural interfaces.

Caitlin Maikawa (Stanford Bio-X Bowes Fellow 2019) is an Assistant Professor at the Institute of Biomedical Engineering at the University of Toronto. Her group works on developing dynamic polymer materials for drug delivery and biosensing.



Stanford Bio-X Bio-X Bowes Fellow Yao-Tian (Peter) Pao-Huang (see pg. 8 for research details)

Amanda Malone (Stanford Bio-X Bowes Fellow 2004) is the Chief Operating Officer of GuideStar Medical Devices, a commercial-stage medtech company selling EpiZact, an epidural device designed to make epidural injections more accurate and potentially reduce dural puncture rates.

Ian Marshall (Stanford Bio-X Bowes Fellow 2008) is an Associate Professor at the Section for Microbiology, Department of Biology, at Aarhus University in Denmark.

Payton Marshall (Stanford Bio-X Bowes Fellow 2017) is completing his residency in anesthesiology at Stanford.

Trevor Martin (Stanford Bio-X Bowes Fellow 2012) is the CEO and a co-founder of Mammoth Biosciences. They have raised over $465M in capital including over $100M in non-dilutive funding to build the next generation of CRISPR based permanent cures for genetic disease.

Rebecca Marton (Seth A. Ritch Graduate Fellow, Stanford Bio-X SIGF 2017) is a Scientist III at Genentech.

Melina Mathur (Stanford Bio-X Bowes Fellow 2010) is a Senior Director, Commercial Operations, at Ginkgo Bioworks.

Joanna Mattis (Stanford Bio-X Bowes Fellow 2010) is an Assistant Professor of Neurology at the University of Michigan.

Aaron Mayer (Stanford Bio-X Honorary Fellow 2015) is co-founder and Chief Scientific Officer of Enable Medicine, a biopharma company that is building biological maps to guide better medicine.

Jennifer McCaney (Stanford Bio-X Bowes Fellow 2006) is the Chief of Innovation at UCLA Health and an Adjunct Associate Professor at the David Geffen School of Medicine at UCLA and the UCLA Anderson School of Management. She is the Executive Director of UCLA Biodesign and an Associate Director of the UCLA Clinical and Translational Science Institute (CTSI).

Kelly McGill Bernhardt (Stanford Bio-X Bowes Fellow 2017) is a scientific program analyst at the National Center for Complementary and Integrative Health.

Allister McGuire (Stanford Bio-X Bowes Fellow 2013) is a staff hardware engineer at Echo Neurotechnologies in San Francisco.

Cory McLean (Stanford Bio-X Bowes Fellow 2007) is a senior staff software engineer at Google.

Arek Melkonian (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2016) is a Research/Clinical Fellow in the Department of Pathology at Brigham and Women's Hospital and an Instructor in Pathology at Harvard Medical School.

Leslie Meltzer (Stanford Bio-X Bowes Fellow 2004) is the Chief Research and Development Officer at Apellis.

Samir Menon (Colella Family Fellow, Stanford Bio-X SIGF 2011) is the founder and CEO of Dexterity, a Physical AI and robotics company building intelligent robotic systems for complex industrial work.

Jorge Meraz (Stanford Bio-X Bowes Fellow 2018) is an analyst at PG&E, where he conducts research and analysis on emerging technologies to plan for California's transition to clean energy.

Amanda Miguel (Stanford Bio-X Honorary Fellow 2013) is a Senior AI Engineer at Koantek.

"The Bio-X fellowship enabled me to have the freedom and support to pursue research endeavors across disciplines including immunology and data science. This laid the foundation for my lab's work that operates at the intersection of these fields as applied across disease, including cancer, infection, and autoimmune disease."

— Gabriela Fragiadakis, Stanford Bio-X Fellow



Stanford Bio-X Fellows Group Photo 2012

Denitsa Milanova (Stanford Bio-X Medtronic Fellow 2011) is the founder and CEO of Medici Therapeutics.

Caitlyn Miller (Stanford Bio-X Honorary Fellow 2017) is CEO and co-founder of TwoStep Therapeutics.

Delaney Miller (Stanford Bio-X Bowes Fellow 2021) is a robotics engineer at Intuitive Surgical, which develops minimally invasive robotic surgical systems.

Steven Miller (Stanford Bio-X Bowes Fellow 2022) is a postdoc in the lab of Professor Justin Annes at the Stanford School of Medicine.

Murtaza Mogri (Stanford Bio-X Bowes Fellow 2006) is a Delivery Science/Clinical Informatics Fellow at Kaiser Permanente, developing predictive models to support clinical decision-making.

Amr Mohamed Alexandari (Bruce and Elizabeth Dunlevie Fellow, Stanford Bio-X SIGF 2021) is a quantitative researcher at Millennium in New York City.

Kate Montgomery DeMers (Stanford Bio-X Bowes Fellow 2009 and William and Lynda Steere Fellow, Stanford Bio-X SIGF 2012) is the founder of Goldenrod Funding. Goldenrod is a scientific advisory firm dedicated to helping for-profit health innovators secure non-dilutive capital through the NIH's multimillion-dollar SBIR grant pipeline.

Sergio Moreno (Stanford Bio-X Bowes Fellow 2004) is currently searching for job opportunities.

Paola Moreno-Roman (Stanford Bio-X Bowes Fellow 2014) is currently a Civic Science Fellow with the American Association for the Advancement of Science's (AAAS) Dialogue on Science, Ethics, and Religion program (DoSER), where she works at the frontier of science, faith, and community, helping bridge scientific institutions with the communities and belief systems that shape how people relate to science.

Mira Moufarrej (Stanford Bio-X Bowes Fellow 2018) is a Stanford Science Fellow working with Kristy Red-Horse. She was previously an associate at The Column Group, a science-driven venture capital firm, where she focused on early-stage drug discovery company creation.

Adi Xiyal Mukund (Tusher Family Stanford Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2021) is a research track anesthesiology resident at UCSF.

Sedona Murphy (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2020) is Group Leader at the Max Planck Institute for Molecular Genetics, Berlin, Germany.

Gabriella Muwanga (Stanford Bio-X Fellow 2021) is a scientific analyst at Morrison Foerster (MoFo), a premier law firm with offices around the globe. She is a member of the patent group and focuses on life sciences patent preparation and prosecution. She is based at MoFo's Palo Alto office.

David Myung (Stanford Bio-X Bowes Fellow 2005) is a Professor of Ophthalmology at the Byers Eye Institute (BEIS) and the VA Palo Alto Health Care System, and, by courtesy, of Chemical Engineering at Stanford. He is also a Director of the Ophthalmic Innovation Program and the Director of the Stanford Teleophthalmology Autonomous Testing and Universal Screening (STATUS) Program, which oversees a Bay Area-wide, AI-powered diabetic retinopathy screening program.

Dania Nanes Sarfati (Stanford Bio-X Bowes Fellow 2020) is a postdoctoral fellow at the University of California, Berkeley.

Daniel Newburger (Morgridge Family SIGF Fellow, Stanford Bio-X SIGF 2011) is exploring new opportunities.

Elaine Ng (Bruce and Elizabeth Dunlevie Fellow, Stanford Bio-X SIGF 2016) is the Chief Scientific Officer and a co-founder of MagIC Lifescience.

Wendy Ni (Bruce and Elizabeth Dunlevie Fellow, Stanford Bio-X SIGF 2012) is a senior data science manager at LinkedIn.

Akshatkumar Nigam (Bruce and Elizabeth Dunlevie Fellow, Stanford Bio-X SIGF 2022) is a Senior Machine Learning Scientist at Kimia Therapeutics.

William Noderer (Stanford Bio-X Bowes Fellow 2010) is working for the Anduril as the GM of Maritime.

James Notwell (Affymetrix Bio-X Fellow, Stanford Bio-X SIGF 2013) is the senior director of computation at MapLight Therapeutics, which was founded by Stanford Bio-X faculty members Dr. Karl Deisseroth and Dr. Robert Malenka.

Johanna O'Day (Stanford Bio-X Bowes Fellow 2017) is a scientific program manager at the Wu Tsai Human Performance Alliance, a collaborative center working to discover the unknown principles of peak performance and translate them to enable optimal health and well-being for all.

Abdulmalik Obaid (Bruce and Elizabeth Dunlevie Fellow, Stanford Bio-X SIGF 2018) is working at a stealth startup developing microelectronic devices in the Bay Area.



Tusher Family Stanford Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF Sofia Madrigal Gamboa (see pg. 7 for research details)

Babatunde Ogunlade (Stanford Bio-X Bowes Fellow 2023) recently graduated and is seeking new professional opportunities.

Peter Olcott (Presidential Fellow, Stanford Bio-X SIGF 2009) is a principal at First Spark Ventures, a deep tech venture fund in Menlo Park investing in breakthrough technologies that make the world healthier, safer, and more productive.

Carmichael Ong (Stanford Bio-X Bowes Fellow 2011) is a research engineer in the Bioengineering department at Stanford.

Shawn Ouyang (Affymetrix Bio-X Fellow, Stanford Bio-X SIGF 2009) is a co-founder of Kyma-Thera.

Anusri Pampari (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2022) is an Applied Scientist II at Amazon.

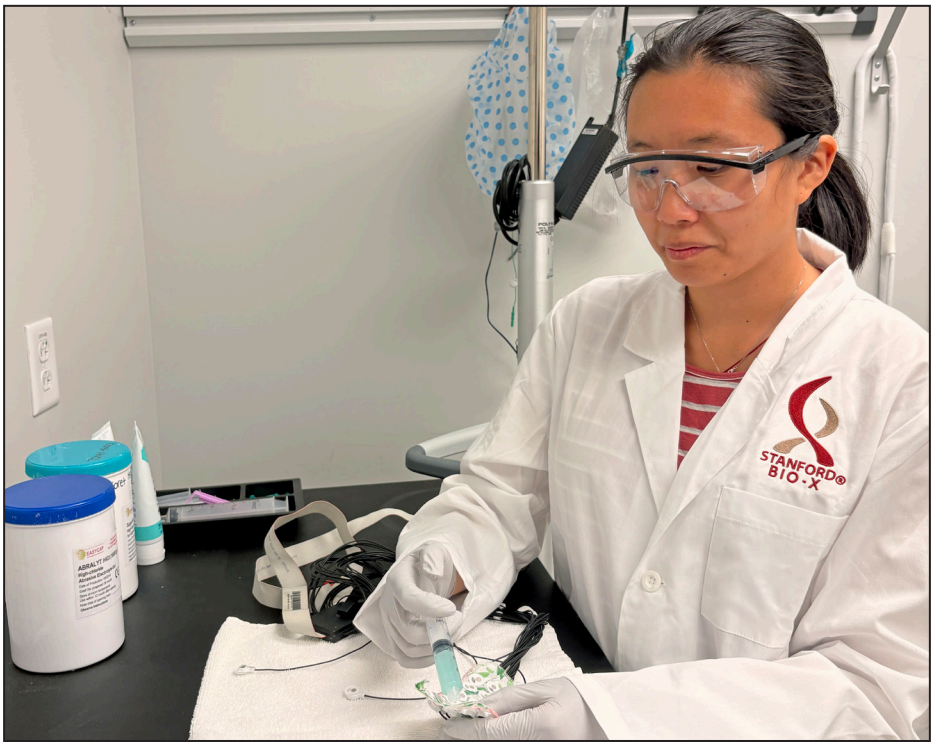
Sung Jin Park (Stanford Bio-X Bowes Fellow 2013) is an associate director at Gilead Sciences.

Jennifer Parker (Stanford Bio-X Bowes and Anonymous Donor Fellow 2023) moved back to Canada to complete the last two years of Medical School at the University of Toronto. She later hopes to pursue a career as a surgeon scientist.

William Parsons (Presidential Fellow, Stanford Bio-X SIGF 2010) is an Associate Professor of Chemistry and Biochemistry at Oberlin College.

Christine McLeavey Payne (Stanford Bio-X Bowes Fellow 2009) is a multimodal team manager and member of technical staff at OpenAI.

Bethany Percha (Morgridge Family SIGF Fellow, Stanford Bio-X SIGF 2013) is an Assistant Professor of Research at Weill Cornell Medicine.



Bruce and Elizabeth Dunlevie Fellow, Stanford Bio-X SIGF Sophia Shen
(see pg. 10 for research details)

Petar Petrov (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2017) is a Visiting Researcher both at the Institute of Science and Technology Austria and at UC Berkeley.

Steven Petsche (Stanford Bio-X Bowes Fellow 2011) works as a staff software engineer for Google.

Samantha Piekos (Tusher Family Stanford Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2018) is an Assistant Professor of Informatics at the University of Pennsylvania.

Benjamin Poole (Seth A. Ritch Graduate Fellow, Stanford Bio-X SIGF 2014) was most recently a senior staff research scientist at Google DeepMind.

Arjun Prabhakar (Affymetrix Bio-X Fellow, Stanford Bio-X SIGF 2016) is a staff scientist at a stealth mode biotech start-up.

Guillem Pratx (Stanford Bio-X Bowes Fellow 2006) is an Associate Professor in Radiation Oncology at Stanford University. His research focus is on biomedical imaging for radiotherapy.

Teresa Purzner (Felix and Heather Baker Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2015) is a neurosurgeon, developmental neurobiologist, and co-founder and CSO of Cerebelly, a brain-focused nutritious baby food line that she started while at Stanford, which can now be found in over 16,000 stores nation-wide.

Jeffrey Quinn (Stanford Bio-X Bowes Fellow 2012) is a Director for Off-Target Biology at Beam Therapeutics.

Amanda Rabe (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2016) graduated in 2020.

Ashwin Ramachandran (Stanford Bio-X Bowes Fellow 2017) is an Assistant Professor of Mechanical Engineering at Purdue University.

Kalani Ratnasiri (City Hill Foundation Stanford Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2022) is a postdoctoral fellow at Genentech in Translational Medicine.

Alexander Ratner (Morgridge Family SIGF Fellow, Stanford Bio-X SIGF 2017) is the co-founder and CEO at Snorkel AI, a startup supporting and commercializing the open source Snorkel framework (snorkel.org) for programmatically building and managing training data for machine learning, which he developed as part of his thesis work. He is an Affiliate Assistant Professor in Computer Science at the University of Washington in Seattle.

Manuel Rausch (Affymetrix Bio-X Fellow, Stanford Bio-X SIGF 2012) is an Associate Professor in the Department of Aerospace Engineering & Engineering Mechanics at University of Texas at Austin. Manuel has received the American Heart Association Career Development Award, the Moncrief Grand Challenge Award, the NSF Career Award, and the Cockrell School of Engineering Award for Outstanding Engineering Teaching by an Assistant Professor.

Andreas Rauschecker (Stanford Bio-X Bowes Fellow 2008) is an Associate Professor in Neuroradiology (Department of Radiology & Biomedical Imaging) at the University of California, San Francisco and co-director of the UCSF Center for Intelligent Imaging.

Samantha Reyes (Bruce and Elizabeth Dunlevie Fellow, Stanford Bio-X SIGF 2024) is an NIH T32 SMIS postdoc at Stanford University in the labs of Drs. Sharon Pitteri and Michelle James.

Heather Rogan (Rogers Family Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2016) is an Engagement Manager at Headland Strategy Group, a biotech consulting firm focused on assisting healthcare companies with commercial, corporate (BD/M&A), and portfolio and R&D strategy.

Lucero Rogel-Hernandez (Stanford Bio-X Bowes Fellow 2020) is a postdoc in Dr. Miriam Goodman's lab at Stanford.

Nicholas Rommelfanger (Stanford Bio-X Fellow 2021) is an engineer at General Atomics Aeronautical Systems in San Diego, CA.



Stanford Bio-X Fellows Group Photo 2018

Adam Rubin (William and Lynda Steere Fellow, Stanford Bio-X SIGF 2015) is a Helen Hay Whitney Foundation Postdoctoral Fellow at the Broad Institute in the labs of Dr. Aviv Regev and Dr. Alex Shalek.

Sanaz Saatchi (Stanford Bio-X Amgen Fellow 2009) is the Director of New Business Development at Intuitive Surgical, the pioneer and leader of robotic surgery. Collaborating with the internal Strategy, Venture, and Research organizations, she is focused on leading Intuitive's corporate development efforts by identifying and developing opportunities for new technology initiatives at Intuitive.

Joel Sadler (Stanford Bio-X Bowes Fellow 2012) previously co-founded Patch XR and is currently Chief Technology Officer at the George Lucas Educational Foundation, Lucas Learning Division.

Rachel Hagey Saluti (Mona M. Burgess Fellow, Stanford Bio-X SIGF 2014) is the co-founder and head of preclinical R&D for 4J Therapeutics, Inc.

Jayodita Sanghvi (Stanford Bio-X Bowes Fellow 2007) is Head of AI Platform and Data at Color.

Annina Sartor (William and Lynda Steere Fellow, Stanford Bio-X SIGF 2018) works at RMI on the Carbon Dioxide Removal initiative.

Andrew Savinov (Paul Berg Interdisciplinary Biomedical Graduate Fellow, Stanford Bio-X SIGF 2014) is an Assistant Professor in the Department of Molecular Biosciences at The University of Texas at Austin.

Julia Schaepe (Colella Family Fellow, Stanford Bio-X SIGF 2023) is a Scientist at NewLimit, a therapeutics start-up using human transcription factors to reprogram diseased cells into healthier states.

Nicole Schiavone (Stanford Bio-X Bowes Fellow 2019) is a scientific reviewer at the FDA in the Division of Circulatory Support, Structural and Vascular Devices in the Office of Cardiovascular Devices.

Tim Schnabel (Stanford Bio-X Bowes Fellow 2015) is the founder and CEO of Switch Bioworks, a biotech startup based on research started at Stanford. Switch's mission is to feed the world sustainably by engineering microbes to produce climate-smart nitrogen "biofertilizer," directly at the roots of plants.

Alia Schoen (Stanford Bio-X Bowes Fellow 2009) is a Research Development Specialist in Stanford's Research Development Office, where she supports faculty teams from across the University with a focus on large, collaborative research proposals in the STEM fields and with emphasis on climate and sustainability research.

Mark Sellmyer (Stanford Bio-X Bowes Fellow 2008) is an Assistant Professor of Radiology with a secondary appointment in Biochemistry and Biophysics at the University of Pennsylvania. Mark is the Director of the PET Center and a founding Co-Director of the Center for Translational Chemical Biology.

Jake Sganga (Stanford Bio-X Bowes Fellow 2014) is a co-founder and CTO of Remedy Robotics, a surgical robotics startup.

Pankaj Sharma (Stanford Bio-X Bowes Fellow 2012) is a silicon design engineer at AMD.

Anna Shcherbina (Stanford Bio-X Bowes Fellow 2017) is a machine learning engineer at Biohub.

Liyue Shen (Stanford Bio-X Bowes Fellow 2019) is an Assistant Professor in the Department of Electrical Engineering & Computer Science (EECS) at the University of Michigan.

Handuo Shi (Rosenberg Ach Family Fellow, Stanford Bio-X SIGF 2016) is a senior scientist at BillionToOne. In her work, she develops models and analytical approaches that transform genomic and clinical data into actionable insights for research, clinical decision support, and future data-driven products. She also builds AI tools that support internal scientific operations and lay the foundation for future real-world data products leveraging BillionToOne's unique genomics and clinical dataset for pharmaceutical and research partners.

Sophia Shi (Stanford Bio-X Bowes Fellow 2021) is a Rowland Fellow and Principal Investigator at Harvard University.

Avanti Shrikumar (Stanford Bio-X Bowes Fellow 2016) is an independent researcher working at the intersection of science and spirituality.

Steven Shuken (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2017) is starting as an Assistant Professor in the Division of Life Science and Department of Chemistry at Hong Kong University of Science and Technology in January 2027. His laboratory uses synthetic probes and mass spectrometry-based proteomics to study brain aging and Alzheimer's disease in mice and humans.

Jack Silberstein (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2020) is the founder and CEO of Deck Bio, a biotech company developing next-generation T cell engager therapies for solid tumors based in Cambridge, MA.

Herbert Silva (Stanford Bio-X Bowes Fellow 2013) is working at Johnson Space Center (NASA) in the Aerospace Engineering department.

Joo Yong Sim (Stanford Bio-X Bowes Fellow 2010) is an Assistant Professor at Sookmyung Women's University, South Korea.

Steven Sloan (Stanford Bio-X Bowes Fellow 2014) is an Associate Professor in the Department of Human Genetics at Emory University.

Ruth Sommese (Paul Berg Interdisciplinary Biomedical Graduate Fellow, Stanford Bio-X SIGF 2011) is a director at Pfizer.

Min-Sun Son (Stanford Bio-X Bowes Fellow 2007) is a director of clinical engineering at Neptune Medical.

Ryan Squire (Stanford Bio-X Bowes Fellow 2010) is the owner of Lembas Data Science, a consulting practice focused on statistics and geospatial data science for internet technology companies, as well as vice president of investment data science with The Carlyle Group.

Alice Stanton (Stanford Bio-X Bowes Fellow 2017) is an Assistant Professor at Harvard Medical School and Massachusetts General Hospital.

Lyndsay Stapleton Smith (Affymetrix Bio-X Fellow, Stanford Bio-X SIGF 2018) is an Associate Director of Corporate Development at Calcilytix Therapeutics, a BridgeBio company.

Jaimie Steinmetz (Stanford Bio-X Honorary Fellow 2010) is a Lead Research Scientist at the Institute for Health Metrics and Evaluation.

Jon Stingel (Paul Berg Interdisciplinary Biomedical Graduate Fellow, Stanford Bio-X SIGF 2020) is a postdoctoral research scientist at the Honda Research Institute, working on bringing the collaboration of humans and robots to a new level.

Ajay Subramanian (Rosenberg Ach Family Fellow, Stanford Bio-X SIGF 2019) is a postdoc at Stanford continuing work on the relationships between neural signals and psychiatric symptoms.

Pakpoom Subsoontorn (Stanford Bio-X Bowes Fellow 2008) is the Vice Dean of Research & Innovation, Faculty of Medical Science, at Naresuan University.

Patricia Suma (Stanford Bio-X Bowes and Stanford Bio-X Amgen Fellow 2011) is the middle grades programmer and 8th-grade biology teacher at Washington Heights Expeditionary Learning School (WHEELS) in Washington Heights in New York City.

Jiawei Sun (Rosenberg Ach Family Fellow, Stanford Bio-X SIGF 2022) is a postdoc in the Sean Spencer Lab at the Department of Gastroenterology at Stanford University, working on the interaction between the small intestinal microbiome and the host immune system.

Laksshman Sundaram (Stanford Bio-X Bowes Fellow 2019) works at NVIDIA as a Director of Applied Research.

Jong Min Sung (Stanford Bio-X Bowes Fellow 2009) is a Visiting Scholar for AI-driven cardiac drug discovery at the Stanford University School of Medicine. He is also a member of the Human Frontier Collective (HFC) at Scale AI, focusing on LLM agent evaluation.

Peter Suzuki (Stanford Bio-X Bowes Fellow 2021) is a research engineer with the ADAPT Lab, Houston Methodist Research Institute.

Kyle Swanson (Paul Berg Interdisciplinary Biomedical Graduate Fellow, Stanford Bio-X SIGF 2024) is an AI scientist at Flex Therapeutics, a startup developing AI models for small molecule drug discovery.

Johanna Sweere (Lubert Stryer Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2015) is Scientific Lead at the Mirror Biology Dialogues Fund, a non-profit dedicated to advancing the global dialogue on the risks from mirror bacteria.

Michelle Tai (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2023) is a senior scientist at Kodiak Sciences.

Jiongyi Tan (Enlight Foundation Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2014) is a senior scientist at Eikon Therapeutics.

Grace Tang (Stanford Bio-X Bowes Fellow 2008) is a principal staff machine learning engineer at LinkedIn.

Alexander Tarashansky (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2018) is a senior software engineer at the Chan Zuckerberg Initiative and member of technical staff at Anthropic.

Noureddine Tayebi (Stanford Bio-X Bowes Fellow 2009) is a founder/investor of Yassir.

Rebecca Taylor (Stanford Bio-X Bowes Fellow 2007) is a Professor of Mechanical Engineering at Carnegie Mellon University.

Terence Theisen (Colella Family Fellow, Stanford Bio-X SIGF 2017) is a scientist at Singletto in Seattle, WA.

Ella Thomson (Stanford Bio-X Bowes Fellow 2020) is an electrical engineer at Meta Reality Labs.

Abby Thurm (Stanford Bio-X Bowes Fellow 2023) is now completing her MD as part of the Stanford MSTP, and will begin a postdoctoral fellowship upon receiving both doctoral degrees in 2028.

Victor Tieu (Stanford Bio-X Bowes Fellow 2020) is a senior scientist at Site Therapeutics.

Matthew Titchenal (Stanford Bio-X Bowes Fellow 2015) is continuing his post-graduate career as a technical consultant at InSciTech in Mountain View, California.

Ethan Trepka (Stanford Bio-X Bowes Fellow 2024) is a postdoctoral fellow in the School of Natural Sciences at the Institute for Advanced Studies.

Carolina Tropini (Bruce and Elizabeth Dunlevie Fellow, Stanford Bio-X SIGF 2011) is an Associate Professor in the School of Biomedical Engineering and the Department of Microbiology and Immunology at the University of British Columbia.

Baris Ungun (Stanford Bio-X Bowes Fellow 2014) is a Staff Machine Learning & Optimization Engineer at TheraPanacea.



Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF Yuxuan Wu
(see pg. 14 for research details)

Raeline Valbuena (Stanford Bio-X Bowes Fellow 2022) is a Clinical Research Scientist & Scientific Writer at City of Hope National Medical Center, an NCI-Designated Cancer Center developing transdisciplinary research and providing state-of-the-art cancer treatment.

Jules VanDersarl (Stanford Bio-X Bowes Fellow 2005) works at Meso Scale Diagnostics as a Senior Director of Engineering.

Kimberly Vasquez (Stanford Bio-X Bowes Fellow 2019) is a Scientist I at UPSIDE Foods.

Avin Veerakumar (Lubert Stryer Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2017) is a Resident Physician at Brigham and Women's Hospital.

Ramandeep Vilkhu (Stanford Bio-X Bowes Fellow 2021) is a Chief of Staff at Stack Health, Inc.

Cassandra Villicana (Stanford Bio-X Bowes Fellow 2022) is a technical advisor.

Mathias Voges (Stanford Bio-X Bowes Fellow 2013) is a researcher at Google DeepMind.

Pranav Vyas (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2019) is a postdoctoral fellow at the University of Chicago as a Helen Hay Whitney Foundation Postdoctoral Fellow working on bridging effects of temperature across scales.

Michael Wainberg (Stanford Bio-X Bowes Fellow 2016) is a PI at Mount Sinai Hospital's Lunenfeld-Tanenbaum Research Institute in Toronto.

Graham Walmsley (Stanford Bio-X Fellow 2015) is a co-founder and Managing Partner of Logos Capital, a fundamental biotechnology-focused investment fund that seeks to combine in-house data analytics with scientific and clinical expertise to identify transformative therapies in healthcare.

Aaron Wang (Stanford Bio-X Bowes Fellow 2006) is part of a private practice in Pittsburgh, Pennsylvania, as a corneal specialist. He is working on commercializing a new ophthalmic imaging device, for which he recently obtained a patent. He is also developing new surgical instruments.

Austin Wang (Stanford Bio-X Bowes Fellow 2023) is a senior research scientist at Biohub.



Stanford Bio-X Fellows Group Photo 2013

Christine Wang (Bruce and Elizabeth Dunlevie Fellow, Stanford Bio-X SIGF 2014) is a senior software engineer at Flatiron Health.

Cosmos (Yuqi) Wang (Felix and Heather Baker Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2018) is a postdoctoral fellow in Xiaowei Zhuang's lab at Harvard University, where he is applying spatially resolved single-cell multi-omics technologies to the brain.

David C. Wang (Stanford Bio-X Bowes Fellow 2020) is a research-track psychiatry resident at Stanford working with Robert Malenka on how the development of the norepinephrine system shapes cognition and stress responses throughout life.

Jack Wang (Stanford Bio-X Bowes Fellow 2011) is a neurocritical care physician at Stanford University Medical Center.

Jiarui Wang (Mona M. Burgess Fellow, Stanford Bio-X SIGF 2018) is a clinical applications manager at Miltenyi Biotec.

Larry Wang (Stanford Bio-X Bowes Fellow 2007) is a launch program manager at Pebble Technology.

Lucy Wang (Stanford Bio-X Bowes Fellow 2020) is working as a product design Finite Element Analysis (FEA) engineer at Apple.

Wanxin Wang (Stanford Bio-X Bowes Fellow 2015) is a Senior Staff Bioinformatics Scientist at Takara Bio USA, Inc.

Yen-Hsiang Wang (Stanford Bio-X Bowes Fellow 2009) is the Chief Business Officer at DropGenie.

Jonathan Weiss (Stanford Bio-X Fellow 2021) is a mechanical engineer at Exponent focusing on failure analysis of medical devices and consumer electronics.

Lucien Weiss (Stanford Bio-X Bowes Fellow 2012) is an Associate Professor of Engineering Physics at Polytechnique Montreal.

Andrew Weitz (Stanford Bio-X Bowes Fellow 2012) is a co-founder of Lemon Slice.

John Wen (Bruce and Elizabeth Dunlevie Fellow, Stanford Bio-X SIGF 2019) was most recently a research scientist in the lab of Dr. Lisa Giocomo at Stanford.

Aaron Wenger (Morgridge Family SIGF Fellow, Stanford Bio-X SIGF 2010) is a senior director at Pacific Biosciences, developing applications of long-read genome sequencing.

Aaron Wilk (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2019) is a resident in Clinical Pathology at Stanford Health Care. He plans to complete fellowship training in hematopathology, and his research will aim to bring advances in systems immunology into the clinical laboratory.

Kitchener Wilson (Stanford Bio-X Bowes Fellow 2007) is the co-founder and CEO of Rosebud Biosciences.

Brian Wilt (Stanford Bio-X Bowes Fellow 2008) is a Head of Data, ML Software Engineer, at Waymo.

Yonatan Winetraub (Stanford Bio-X Bowes Fellow 2016) is the co-founder of Aptos Orbital and co-founder of SpaceIL.

Katrina Wisdom (Stanford Bio-X Honorary Fellow 2016) is a Scientific Leader in Genetic Medicines Discovery at GSK.

Remus Wong (Stanford Bio-X Bowes Fellow 2010) is a Principal Scientist at Nkarta, where he performs cell therapy research and process development activities on Nkarta's engineered NK cells.

Angela Wu (Stanford Bio-X Bowes Fellow 2006) is an Associate Professor in the Division of Life Science and the Department of Chemical and Biological Engineering at Hong Kong University of Science and Technology (HKUST) and co-founder of Z-Omics Limited.

Eric Wu (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2022) is co-founder of GXL, a Palo Alto-based startup building expert AI agents.

Lyndia Wu (Stanford Bio-X Bowes Fellow 2014) is an Associate Professor in the Mechanical Engineering Department at the University of British Columbia in Vancouver, Canada.

Ting-Hsuan (Timothy) Wu (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2022) is a psychiatry resident in the Research Track at Columbia University and the New York State Psychiatric Institute, where he is working at the intersection of single cell genomics, molecular biology, and circuit neuroscience.

Yan Wu (Stanford Bio-X Bowes Fellow 2022) is a scientist at Genentech, working on antibody therapeutics development.

Nan Xiao (Stanford Bio-X Bowes Fellow 2007) works for Heartflow, Inc. in San Francisco as a computational scientist.

Adele Xu (Morgridge Family SIGF Fellow, Stanford Bio-X SIGF 2019) is a resident physician in the Stanford Internal Medicine residency program.



Stanford Bio-X Fellows Group Photo 2011

Yuan Xue (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2018) is a senior bioinformatics scientist at ClearNote Health.

Pumiao Yan (Seth A. Ritch Graduate Fellow, Stanford Bio-X SIGF 2020) founded Sparse Labs, which is building the visual pathway of embodied AI, and serves as the CEO of the company.

Andrew Yang (Stanford Bio-X Honorary Fellow 2015) opened his lab at the University of California, San Francisco and the Gladstone Institutes as an Assistant Professor.

Helen Yang (Lavidge and McKinley Interdisciplinary Fellow, Stanford Bio-X SIGF 2014) is an Assistant Professor at the Vollum Institute at OHSU.

Jonathan Yang (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2022) is continuing his work in Carolyn Bertozzi's lab as a postdoc.

Renzhi Yang (Stanford Bio-X Bowes Fellow 2016) is a postdoctoral researcher in Dr. Nirao Shah's lab at Stanford.

Theo Yang (Lavidge and McKinley Interdisciplinary Fellow, Stanford Bio-X SIGF 2023) is a postdoctoral scholar at the Whitehead Institute studying the structural mechanics of RNA-protein interactions.

Yufeng Yang (Stanford Bio-X Bowes Fellow 2005) is a Professor/Investigator in the Institute of Life Sciences at Fuzhou University.

Peggy Yao (Stanford Bio-X Bowes Fellow 2006) is a Senior Engineering Manager of a machine learning team at Meta.

Sara Z. Yao (Stanford Bio-X Bowes Fellow 2004) has rejoined Triple Ring Technologies, where her medical device expertise and regulatory knowledge are now matched by a sharpened instinct for client service and project management. She has since worked across a range of projects, establishing corporate initiatives, early-stage startups, and most recently projects funded by ARPA-H. Triple Ring is a Silicon Valley- and Boston-based co-development company that partners with clients in medtech, life sciences, and sustainability to create new technologies, launch innovative products, and build new ventures.

Anne Ye (Stanford Bio-X Bowes Fellow 2012) is working at Xaira in Brisbane.

Patrick Ye (Bruce and Elizabeth Dunlevie Fellow, Stanford Bio-X SIGF 2013) is a fellow at BillionToOne, a molecular diagnostics startup in Menlo Park, CA.

Michael Yip (Stanford Bio-X Bowes Fellow 2013) is a Professor of Electrical and Computer Engineering at the University of California, San Diego, and Co-Director of the Cedars-Sinai Center for Autonomous Robotic Surgery. He is founder of Channel Robotics, a surgical robotics startup, and member of the U.S. National Academy of Inventors.

Jennifer Yong (Morgridge Family SIGF Fellow, Stanford Bio-X SIGF 2012) is a Human Factors Researcher at Google.



Stanford Bio-X Fellows Group Photo 2010

Ryan York (Stanford Bio-X Bowes Fellow 2013) is a platform lead at Arcadia.

Alexander Yoshikawa (Stanford Bio-X Bowes Fellow 2017) is the co-founder and CSO of Adaptyx Biosciences, a startup developing continuous biosensors, located in Menlo Park.

Noah Young (Stanford Bio-X Bowes Fellow 2012) is a senior machine learning engineer at Mashgin.

Maxim Zaslavsky (Stanford Bio-X Bowes Fellow 2022) is co-founder and CEO of Immunera.

Bo Zhang (Mona M. Burgess Fellow, Stanford Bio-X SIGF 2013) is the VP of chemistry and cofounder of Apostle, Inc.

Eric Zhao (Donna Schweers and Thomas Geiser Fellow, Stanford Bio-X SIGF 2020) is a Croucher Foundation Fellow at Stanford University with Professor Zhenan Bao in Chemical Engineering and Professor Julia Kaltschmidt in Neurosurgery.

Xiaoxue Zhou (Larry Yung Fellow, Stanford Bio-X SIGF 2010) is an Assistant Professor at NYU Biology.

Danqing Zhu (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2015) is an Assistant Professor at Hong Kong University of Science & Technology in the Department of Chemical & Biological Engineering.

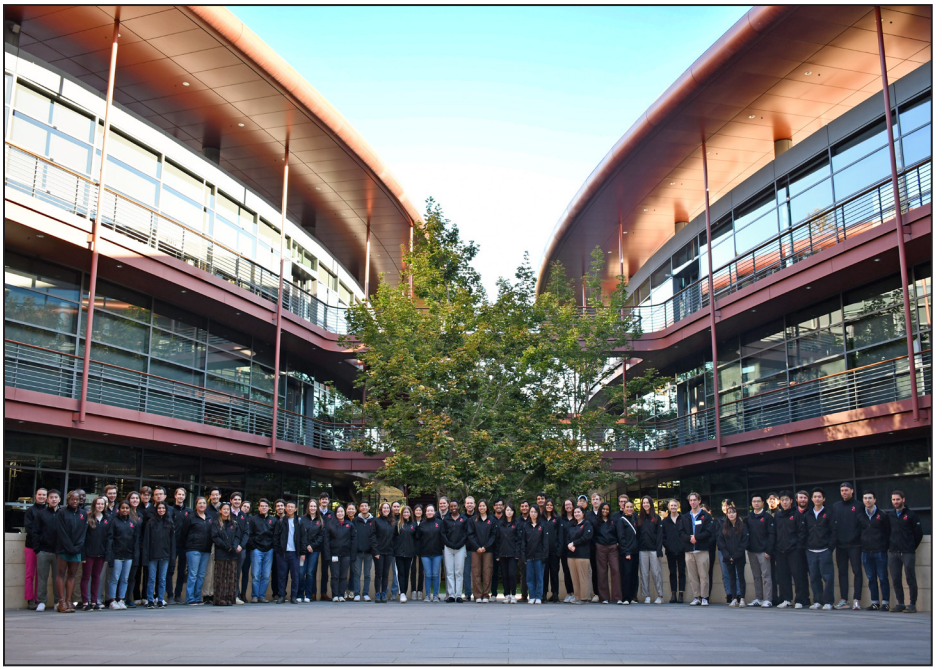
Biyao Zou (City Hill Foundation Stanford Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF 2020) is an observational research manager at Amgen, a leading biotech company. At Amgen, she leverages real-world patient data to address questions throughout the drug development lifecycle and enhance the understanding of diseases, therapeutic interventions, and clinical outcomes.

Xinzhi Zou (Stanford Interdisciplinary Graduate Fellow (Anonymous Donor), Stanford Bio-X SIGF 2019) is a postdoctoral scholar in the lab of Dr. Michael Lin at Stanford.



Lubert Stryer Interdisciplinary Graduate Fellow, Stanford Bio-X SIGF Jeongwoong Yoon
(see pg. 15 for research details)

Stanford Bio-X PhD Fellowship Program 2026



Stanford Bio-X Fellows Group Photo 2024

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