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Date prepared: 05/11/2026

ACADEMIC APPOINTMENTS

6/1/2025 – current	Associate Professor (tenured), UTL. Department of Pathology, Stanford University
10/1/2025 – current	Arc Institute Innovation Investigator
9/1/2025 – current	Weill Cancer Hub West Investigator
1/1/2021 – current	Director of the Metabolic Core Facility, Stanford University
1/1/2020 – current	Affinity Group Leader, Stanford Diabetes Research Center (SDRC)
1/1/2018 – 5/31/2025	Assistant Professor, UTL, Department of Pathology, Stanford University

EDUCATION AND TRAINING

2013-2017	Postdoctoral Fellow, Harvard Medical School, Advisor: Bruce M. Spiegelman Ph.D.
2012-2013	Postdoctoral Fellow, Lund University, Sweden, Advisor: Mattias Belting M.D/Ph.D.
2007-2012	Ph.D., Medical Science, Lund University, Sweden, Advisor: Mattias Belting M.D/Ph.D.
2002-2006	M.S., Molecular Biology, Lund University, Sweden

HONORS AND AWARDS

2026	Richard E. Weitzman Laurate Award, Endocrine Society
2025	Arc Institute Innovation Investigator Award
2025	Weill Cancer Hub West Investigator Award
2024	2024 Alba Tull Molecular Therapeutics Award for Innovative Medicines (IMA)
2023	Hevolution AFAR New Investigator Award in Biology and Geroscience Research (declined)
2021	Helmholtz Young Investigator in Diabetes (HeIDi) Award Finalist
2019	Jacob Churg Research Award for Junior Faculty, Stanford University
2018	Gabilan Fellow, Stanford University
2018	McCormick and Gabilan Award, Stanford University
2016	K99/R00 NIH Pathway to Independence Award (NIDDK)
2013	Swedish Research Council International Postdoctoral Fellowship
2013	Blanceflor Boncompagni Ludovisi, nee Bildt Postdoctoral Fellowship (declined)
2012	International Society of Extracellular Vesicles conference best poster award
2012	Fru Berta Kamprad Society for Cancer Research Award, Sweden
2011	The Royal Physiographic Society, Foundation for natural science, medicine, and technology Award, Lund, Sweden
2010	The Royal Physiographic Society, Foundation for natural science, medicine, and technology Award, Lund, Sweden
2010	Lund University Faculty of Medicine Award for graduate studies, Lund, Sweden

RESEARCH SUPPORT

ACTIVE

NIH R01 (Svensson, Katrin) 02/18/2026-12/17/2030 2.4 calendar
National Institutes of Health
Control of obesity by an appetite-suppressing peptide

Project Goals: The major goal is to investigate the role of a brain-derived peptide in obesity. The aims are to investigate the enzymatic generation of the peptide, to determine the physiological role using loss of function models, and to identify the receptor.
Role: PI

R01 HL156945-01 (Phillip Yang) 09/01/2022-08/31/2026 0.6 calendar
National Institutes of Health
Mitochondria-rich microvesicles for restoration of intracellular bioenergetics
Major Goals: The major goals are to investigate how microvesicles can protect against cardiac injury.
Role: Co-Investigator

R43 AG097164-01 (James W Larrick) 09/20/2025-09/19/2026 0.6 calendar
National Institutes of Health
Novel Therapy for Sarcopenia
Major Goals: The major goals are to investigate if Isthmin-1 can prevent or reverse sarcopenia.
Role: Co-Investigator

P30 DK116074-06 (Kim, Seung) 08/01/2022-06/30/2027
National Institutes of Health 0.36 calendar (Svensson)
Stanford Diabetes Research Center 1 calendar (Svensson lab Postdoctoral fellow)
Major Goals: The aims of the SDRC include fostering membership of appropriate investigators in the SDRC to stimulate and ensure the growth and maintenance of the vibrant research investigator base, enriching and guiding the career development of junior investigators in diabetes-related research.
Role: Affinity Group Leader of the Metabolism and Signaling Group, Metabolic Core Director, Co-Director of the P&F Program

Arc Institute Innovation Investigator 09/01/2025-06/30/2030
Major Goals: Our goals are to integrate ingestive-behavior neurobiology, next-generation bioactive neuropeptide discovery, and rapid deorphanization technologies for neural ligand-receptor pairs.
Role: PI

Eli Lilly & Company (Svensson, Katrin) 08/22/2024-08/21/2026 0.12 calendar
Investigating secreted peptides as novel modulators of energy homeostasis
Major Goals: The major goals are to develop in vitro and in vivo screening platforms that can be used to test bioactive molecules with roles in metabolism.
Role: PI

Pfizer (Svensson, Katrin) 06/01/2024-05/31/2026 0.12 calendar
Title: Secreted peptides and neuroendocrine control of metabolism
Major Goals: The major goals are to develop *in vitro* and *in vivo* screening platforms that can be used to test bioactive peptides with roles in metabolism.
Role: PI

Weill Cancer Hub West (Svensson, Katrin) 09/01/2025-06/30/2027
Food as medicine - what should I eat?
Major Goals: This is a multi-institutional, multi-PI grant (UCSF and Stanford, 12 total investigators). The major goals are to understand the mechanisms by which diet affects cancer growth and spread.
Role: Co-PI

Wu-Tsai Big Ideas in Neuroscience Award (Svensson, Katrin) 09/18/2025-08/30/2027
The Stanford Neuro-Pregnancy Initiative
Major Goals: This is a multi-PI grant (Nirao Shah, Katrin Svensson, Longzhi Tan). The major goals are to understand how pregnancy hormones guide brain cells to support and adapt to pregnancy.
Role: Co-PI

SPARK Translational award (Svensson, Katrin) 01/01/2025-12/31/2026
Stanford University, SPARK
Title: A non-incretin peptide for the treatment of obesity and appetite-related disorders
Major Goals: The major goal is to perform mechanistic studies for a non-incretin anti-obesity peptide.
Role: PI

Innovative Project Bridge Award (Svensson, Katrin) 04/01/2026-03/30/2027
American Heart Association
Novel strategies for improving hepatic lipid metabolism and cardiovascular health
Major Goals: The major goals are to investigate a new mechanism by which fructose is transported into the liver.
Role: PI

Wu-Tsai Human Performance Alliance (Sonnenburg, Justin) 01/01/2024-01/01/2026
Stanford University, Wu-Tsai Human Performance Alliance
Connecting the gut microbiome to endurance: mechanisms and causality
Major Goals: The major goals are characterize the effects of exercise on the redox signature of the gut.
Role: Co-I

COMPLETED

Cardiovascular Institute (CVI) (Cheng, Paul) 09/01/2024-08/31/2025
Stanford University, CV and Gootter-Jensen Foundation 2024 Seed Grant Awards
Combating Atherosclerosis with Novel Peptide Hormone BRP3
Major Goals: The major goals are to test if the novel gut-brain peptide hormone BRP3 reduce atherosclerosis.
Role: Co-I

R01 DK125260-05 (Svensson, Katrin) 07/01/2020 - 06/30/2025
National Institutes of Health
Control of glucose homeostasis through the insulin independent Isthmin pathway
Major Goals: The overall objectives in this proposal are to establish how Ism1 can control blood glucose by determining the signaling effectors and cell surface receptor that mediate the action, determine the endogenous physiological function for Ism1, and evaluate the pharmacological potential of Ism1 as a therapeutic target.
Role: PI

Innovative Project Award (Svensson, Katrin) 07/01/2023-06/30/2025
American Heart Association
Novel strategies for improving hepatic lipid metabolism and cardiovascular health
Major Goals: The major goals are to investigate a new mechanism by which fructose is transported into the liver.
Role: PI

Innovative Medicines Accelerator (Svensson, Katrin) 07/01/2022-07/01/2025
Stanford University, Sarafan ChemH Institute
Isthmin-1 as a therapy for fatty liver disease
Major Goals: The major goals are to develop Isthmin-1 as a protein therapeutic in collaboration with the Sarafan ChemH IMA team for protein engineering and receptor identification of human Isthmin-1.
Role: PI

SPARK Translational award (Svensson, Katrin) 01/01/2022-12/31/2024
Stanford University
Title: Development of appetite-suppressing peptide analogs for the treatment of obesity
Major Goals: The major goal is to perform SAR studies to optimize a peptide for the treatment of obesity.
Role: PI

MCHRI Pilot/Early Career Award (Svensson, Katrin) 07/01/2023-06/30/2024
Stanford University
Investigating a novel peptide to treat hyperphagia in children with Prader-Willi Syndrome
Major Goals: The main goals of this project are to determine the mechanism behind how the BRP peptide reduces feeding and whether it can be applied for therapeutic use to reduce hyperphagia and obesity in children with PWS.
Role: PI

R01 DK120565-01 (Knowles, Joshua) 09/01/2019 – 05/31/2024
National Institutes of Health
Characterization of novel insulin resistance genes by gene editing, high-throughput phenotyping and in vivo studies
Major Goals: Establish causal genes and mechanisms of action for novel genes involved in the development of insulin resistance, by combining a range of innovative methods including high throughput gene perturbations followed by single-cell transcriptomics, in vitro and in vivo experiments, to characterize loci established using human genetics.
Role: Co-Investigator

Merck SEEDS award (Svensson, Katrin) 12/01/2023 – 04/30/2024
Merck Co., Inc.
A BRINP2-derived peptide for treating obesity and weight-related disorders
Major Goals: The overall goals are to interrogate the role of an early-stage therapeutic lead, a peptide derived from the prohormone BRINP2, that controls appetite.
Role: PI

Merck SEEDS award (Svensson, Katrin) 10/01/2020 – 09/30/2021
Merck Co., Inc.
Identification of molecular drivers and biomarkers for NASH
Major Goals: The major goal is to interrogate the roles of novel genes involved in lipid accumulation and hepatic inflammation and fibrosis.
Role: PI

SPARK Spectrum Pilot Award (Yang, Phillip) 12/02/2020-12/31/2021
Stanford University
Rapid translation of iPSC-derived extracellular vesicles for mitochondrial biogenesis
Major goals: The aims are to use iPSC-derived extracellular vesicles in pigs with cardiac dysfunction.
Role: Co-Investigator

NIH R00 DK11191604 (Svensson, Katrin) 03/15/2018 - 09/14/2021
National Institutes of Health
The role of circulating Slit2 in adipose thermogenesis and diabetes
Major Goals: The major goal of this study is to understand the mechanism and physiology of the circulating factor Slit2 in energy homeostasis.
Role: PI

Jacob Churg Research Award (Svensson, Katrin) 02/01/2019-01/31/2020
Stanford University, Department of Pathology
The function of Ism1 as an insulin-independent hormone
Major goals: The major goal of this study is to investigate insulin-independent hormones.
Role: PI

McCormick and Gabilan Award (Svensson, Katrin) 09/01/2018-08/31/2020
Stanford University, Faculty of Diversity and Inclusion
The role of circulating Isthmin-1 in diabetes and non-alcoholic fatty liver disease
Major goals: The major goal of this study is to understand the mechanism of Isthmin-1 in fatty liver disease.
Role: PI

NIH K99DK111916-02 (Svensson, Katrin) 09/08/2016-03/14/2018
National Institutes of Health
The role of circulating Slit2 in adipose thermogenesis and diabetes

Major goals: The major goals are to investigate Slit2 in adipose thermogenesis and diabetes.
Role: PI

BIBLIOGRAPHY (In total 60 publications)

NCBI Bibliography
† Corresponding author
* My contributions (non-corresponding author)

Peer-reviewed original articles

1. Xiao S, Wang M, Martin TG, Scott B, Fang X, Liu X, Yang Y, Fu S, Truong SD, Gugel JF, Maas GL, Mullen MP, Hill JH, Li VL, Markhard AL, Zhao M, Qi W, Reghupaty SC, Zhao M, Spaas J, Wei W, Moholdt T, Hawley JA, Voldstedlund CT, Richter EA, Chen X, **Svensson, K.J.**, Bernstein D, Leinwand LA, Xu Y, Long JZ. Python metabolomics uncovers a conserved postprandial metabolite and gut-brain feeding pathway. ***Nature Metab. (2026)*** *Metabolic studies and funding acquisition.

2. The International Indirect Calorimetry Consensus Committee (IICCC). Adams SH, Allison DB, Alquier T, Ansarullah, Austad SN, Auwerx J, Ayala JE, Baur JA, Carobbio S, Dall M, deCabo R, Donato Jr. J, Dragano N, Elias CF, Ferrante Jr. AW, Finck B, Galgani JE, Medina-Gómez G, Goodyear LJ, Grobe JL, Gupta R, Habegger KM, Hartig SM, Hevener AL, Heymsfield SB, Holman CD, James D, Kazak L, Kim JB, Kong X, Kooijman S , Lantier L, Lloyd KC, Lo J, Lodhi IJ, MacLean PS, Martin M, McGuinness O, Mirmira RG, Morrison C, Morton G, Ogawa Y, Pajuelo- Reguera D, Potthoff MJ, Qi N, Ramsey JJ, Shaikh SR, Reitman ML, Rensen PCN, Rozman J, Sakamoto K, Schwartz GJ, Sedlacek R, Selloum M, Shuai C, Shulman GI, Skop V, Soukas A, Speakman JR, Spiegelman BM, Steinberg G, **Svensson KJ**, Thyfault JP, Tiganis T, Titchenell PM, Turner N, Velloso LA, Vidal-Puig A, Ward CS, Williams AS, Wolfrum C Xu A, Xu Y, Zierath J, Banks AS. A consensus guide to visual and analytical standards for preclinical indirect calorimetry experiments: a proposed roadmap for data sharing and re-use. ***Nature Metab***. 2025 Sep;7(9):1765-1780. doi: 10.1038/s42255-025-01360-4. PMID: 40993210. *Provided feedback.

3. Jiang, H., Tiche, S.J., He, C.J., Jedoui, M., Forgo, B., Zhao, M., He, B., Li, Y., Li, A.M., Truong, A.T., Ho, J., Simmermaker, C., Yang. Y., Zhou, M.N., Hu, Z., Cuthbertson, D.J., **Svensson, K.J.,** Hazard, F.K., Shimada, H., Chiu, B., Ye, J. Mitochondrial uncoupler and retinoic acid synergistically induce differentiation and inhibit proliferation in neuroblastoma. ***Proc Natl Acad Sci U S A***. 2025 Sep 9;122(36):e2502483122. PMID: 40911595. *Metabolic studies and funding acquisition.

4. Zhao, M., Linde-Garelli, K.Y., Zhang, Z., Toomer, D., Reghupaty, S.C., Jimenez, J.I., Coassolo, L, Wat, L.W., Fernandez, D., **Svensson, K.J.†** ANGPTL3 promotes hepatic fructose uptake and activates the AKT pathway. ***Cell Reports***, 2025 Jul 9;44(7):115962. doi: 10.1016/j.celrep.2025.115962. PMID: 40638391.

5. Turn RE, Hilgendorf KI, Johnson CT, Han K, Aziz-Zanjani MO, Swails Bollinger S, Domizi P, Cheng R, Rabiee A, Zhu Y, Jiang Z, Asthana A, Demeter J, **Svensson K.J.**, Bassik MC, Jackson PK. A genome-wide, CRISPR-based screen reveals new requirements for translation initiation and ubiquitination in driving adipogenic fate change. ***Genes Dev***. 2025 Jul 17. doi: 10.1101/gad.352779.125. PMID: 40675820. *Performed experiments and data analysis.

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7. Coassolo, L., Danneskiold-Banhos Samsoee, N., Nguyen, Q., Wiggenhorn, A.L., Zhao, M., Wang C-H, D., Toomer, D., Barkat Lone, J., Wei, Y., Patel, A., Liparulo, I., Kavi, D., Wat, L.W., Reghupaty, S., Kim, J.J., Asemi, T., Bielczyk-Maczynska, E., Li, V.L., Moya-Garzon, M., Krentz, N.A., Stahl, A., Hung-Chieh Chou, D., Luo, L., **Svensson, K.J.**† Prohormone cleavage prediction uncovers a non-incretin anti-obesity peptide. ***Nature.*** 2025 May;641(8061):192-201. PMID: 40044869; PMCID: PMC12043402.

8. Banhos Danneskiold-Samsøe, N., Kavi, D., Jude., K.M., Wat, L.W., Nissen, S.B., Coassolo, L., Zhao, M., Santana-Oikawa G.A., Broido, B.B., K.C. Garcia, **Svensson, K.J.**† AlphaFold2 enables accurate deorphanization of ligands to single-pass receptors. ***Cell Systems***. 2024 Nov 6:S2405-4712(24)00301-6. PMID: 39541981.

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11. Wei W, Lyu X, Markhard, AL, Fu, S, Mardjuki, RE, Cavanagh, PE, Zeng, X, Rajniak, J, Lu, N, Xiao, S, Zhao, M, Moya-Garzon, MD, Truong, SD, Chou, J C-C, Wat, LW, Chidambaranathan-Reghupaty, S, Coassolo, L, Xu, D, Shen, F, Huang, W, B. Ramirez, CB, Jang, C, **Svensson, K.J**., Fischbach, MA, Long, JZ. A PTER-dependent pathway of taurine metabolism linked to energy balance. ***Nature***. 2024 Aug 7. doi: 10.1038/s41586-024-07801-6. PMID: 39112712. *Metabolic studies and funding acquisition.

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Reviews, Book Chapters & Commentaries

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51. Zhao, M., Lone, J., Reghupaty, S.C., Linde-Garelli, K.Y., **Svensson, K.J.**† Progress in understanding the regulation of glucose and fructose metabolism. ***Annual Review of Nutrition*****,** Apr 18. doi: 10.1146/annurev-nutr-111824-012939. PMID: 40249960.

52. Wat L.W., **Svensson, K.J.**† Novel secreted regulators of glucose and lipid metabolism in the development of metabolic diseases. ***Diabetologia.*** Dec;67(12):2626-2636. PMID: 39180580; PMCID: PMC12087937.

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Press coverage (selected)

Media

Nature Reviews Drug Discovery (2025). Villanueva T.M. Non-incretin peptide curbs appetite.
Nature Reviews Endocrinology (2025). Carty, S. A novel anti-obesity peptide that targets the hypothalamus.
Stanford Medicine News https://med.stanford.edu/news/all-news/2025/03/ozempic-rival.html
Stanford News Headlines Newly discovered molecule rivals Ozempic in weight loss – with fewer side effects
EurekAlert! Naturally occurring molecule rivals Ozempic in weight loss, sidesteps side effects
ScienMag Naturally Occurring Molecule Competes with Ozempic for Weight Loss Benefits

Bioengineer.org Naturally Occurring Molecule Competes with Ozempic for Weight Loss Benefits Without the Side Effects
The Medical News Naturally occurring molecule suppresses appetite and promotes weight loss
Technology Networks AI Identifies Molecule That Rivals Ozempic for Weight Loss
news-medical.net Naturally occurring molecule suppresses appetite and promotes weight loss
Science Alert New Protein Discovery Could Rival Ozempic With Fewer Side Effects
2024, Fighting Obesity. **Chemistry & Industry**, 88: 18-21. https://doi.org/10.1002/cind.10277
Cell Syst. 2024 Nov 20;15(11):1000-1001PMID: 39571530.Viswanath S. AlphaFold opens the doors to deorphanizing secreted proteins.
Nat Rev Endocrinol (2021). https://doi.org/10.1038/s41574-021-00569-z News & Views - Heeren, J., Scheja, L. Isthmin 1 — a novel insulin-like adipokine.
BioCentury ISM1 as a therapy for diabetes, fatty liver disease. Aug 27, 2021. https://www.biocentury.com/article/638501/ism1-as-a-therapy-for-diabetes-fatty-liver-disease
J Diabetes Investig. 2022.;10.1111/jdi.13774. doi:10.1111/jdi.13774 Shimizu T, Takahashi Y, Fujita H, Waki H. Pick the best of both glucose and lipid metabolism.
eLife Digest: Better muscles https://elifesciences.org/digests/80014/better-muscles

Podcasts
Big Ideas in Neuroscience: A new neuroscience of pregnancy | Nirao Shah & Katrin Svensson https://www.youtube.com/watch?v=u144cOGIl4A

PATENTS

1. Compositions comprising VGF-like peptides and methods of treatment metabolic disease **Svensson, K.J**., Londhe A.	US Patent Application No. 64/053,029 Priority date 04/29/2026
2. Compositions comprising PQRF peptides and methods of treatment metabolic disease **Svensson, K.J**., Londhe A.	US Patent Application No. 64/053,044 Priority date 04/29/2026
3. Methods of treating cardiovascular disorders **Svensson, K.J**., Cheng, P.	US Patent Application No. 63/884,221 Priority date 09/18/2025
4. REG1B-derived peptides and methods of using the same **Svensson, K.J**., Kim, J.J., Danneskiold-Samsoee, N.B., Lone, B.L.	US Patent Application No. 63/859,075 Priority date 08/06/2025
5. Liver-derived peptide for obesity by lowering food intake and increasing energy expenditure **Svensson, K.J**., Reghupaty, S.C.	Stanford Docket S24-401 OTL disclosure date 09/16/2024
6. Composition comprising peptides and methods of using the same **Svensson, K.J**., Zhang, Z.	US Patent Application No. 63/811,353 Priority date 05/23/2025
7. Compositions comprising BRINP3 variants and methods of using the same for treatment of obesity and digestive disorders **Svensson, K.J**., Danneskiold-Samsoee, N.B., Voilquin, L. Lone, B.L.	US Patent Application No. 63/572,179 ***Licensed to Merrifield Therapeutics***
8. Materials and methods for treating cardiac dysfunction Blau, H., Nalbandian, M., **Svensson, K.J**.	US Patent Application No. 63/549,914 Priority date 02/05/2024
9. BRINP2-derived peptide compositions for treating obesity and weight management **Svensson, K.J**., Voilquin, L.	US Patent Application No. 63/370,200 ***Licensed to Merrifield Therapeutics***

10. Therapeutic uses of Isthmin protein
Svensson, K.J., Voilquin, L.
WO2023010049A1
US Patent Application No. 63/226,600

11. Methods for identification, assessment, prevention, and treatment of metabolic disorders using Slit2
Spiegelman B.M., **Svensson, K.J.**
WO/2017/011763
US Patent Application. 15/741,326

COMPANIES CO-FOUNDED

2024-present Merrifield Therapeutics Inc., Co-Founder, Scientific Advisory Board

BOARD MEMBERSHIPS AND ADVISORY ROLES

2025 AbbVie, Obesity Advisory Board
2025 Novo Nordisk, Consultant
2024 Kyttaro Ltd, Scientific Advisory Board

ADVISORY COMMITTEES

2024-2026 **Co-chair,** American Diabetes Association's Scientific Session Meeting Planning Committee, Insulin Action/Molecular Metabolism, 2-year term
2024 **NIDDK Advisory Council**, Diabetes Heterogeneity Working Group

EDITORIAL BOARDS

2024- present Editorial Board, *Diabetes*, Elected for a 3-year term
2022- present Associate Editor, *Endocrine Reviews* (Oxford Academic), Elected for a 6-year term
2021- present Advisory Board, *STAR Protocols* (Cell Press)

EDITORIAL SERVICE

2013- present Ad hoc Reviewer (selected from >20 journals): Nature, Science, Cell, Nat. Metab., Cell Metab.

GRANT REVIEWER

NIH Reviewer

01/2026-currrent NIH Study Section Pathophysiology of Obesity and Metabolic Disease (POMD) ***Standing member, Co-chair***
10/2023-currrent NIH Study Section Pathophysiology of Obesity and Metabolic Disease (POMD) ***Standing member***
06/2023 NIH Study Section Endocrine and Metabolic Systems Sciences, EMS-K (10)B (SBIR/STTR) *Ad hoc*
11/2022 NIH Study Section Endocrinology, Metabolism, Nutrition and Reproductive Sciences, EMS-K (10)B (SBIR/STTR) *Ad hoc*
07/2022 NIH Metabolic Phenotyping in Live Models of Obesity and Diabetes GRB-J O1 (MPMOD) U24/U2C Consortium Review. *Ad hoc*
03/2022 NIH Study Section Endocrinology, Metabolism, Nutrition and Reproductive Sciences, EMNR-K (10) (SBIR/STTR) *Ad hoc*
10/2021 NIH Study Section Pathophysiology of Obesity and Metabolic Disease (POMD). *Ad hoc*
06/2020 NIH Study Section Molecular and Cellular Endocrinology (MCE), ECR. *Ad hoc*

National and International Grant Reviewer

12/2025 European Research Council (ERC) ERC Advanced Grant 2025
09/2025 Michigan Diabetes Research Center, Pilot & Feasibility grants, University of Michigan
11/2023 American Heart Association (AHA), 2024 Fellowship Basic Science, Cell Transport/Lipoproteins and Lipid Metabolism

06/2023	American Heart Association (AHA), Second Century Early Career Faculty Independence Award Review Committee
04/2023	Harold Hamm Diabetes Center at the University of Oklahoma Health Sciences Center, External reviewer for Pilot Grants
01/2023	American Heart Association (AHA), Innovative Project Award Review Committee
02/2023	Israel Science Foundation (ISF), Research Grant Reviewer
11/2022	American Heart Association (AHA), Institutional Undergraduate Student Award Committee
11/2022	American Heart Association (AHA), 2023 Fellowship Basic Science
07/2022	Israel's Ministry of Innovation, Science and Technology, Grant Reviewer in Health and Medicine on the topic of Drug and pharmaceutical development

Stanford Internal Grant Reviewer

2024	Stanford Diabetes Research Center, Pilot & Feasibility grants
2021-2024	MCHRI Postdoctoral Support Review Panel (3-year term, twice per year)
2021	ChEM-H reviewer for testing molecular hypotheses in human subjects for junior investigators
2021	Stanford Diabetes Research Center, Pilot & Feasibility grants (UC Berkeley/UC Davis)

INVITED SEMINARS (103 talks*, TBH = to be held)*

Keynote and Laurate Seminars

06/2026	Laurate Award Seminar, Endocrine Society, Chicago, IL, USA
06/2025	Keynote speaker at US-Poland Science & Technology Symposium, Stanford, CA, USA
09/2022	Keynote speaker at 2022 Stanford-HBMC Virtual Research Retreat, Stanford, CA, USA
06/2022	Keynote speaker at the Metabolism Mini-Symposium UCSF Liver Center and UC Berkeley, Department of Nutritional Science & Toxicology, Berkeley, CA, USA

International and National Invited Seminars

05/2026	Novartis Biomedical Research, Cambridge, MA, USA
04/2026	DeWitt Goodman Seminar, Columbia University, NY, USA
04/2026	Southern Methodist University, TX, USA
04/2026	UT Southwestern, TX, USA
04/2026	University of Nebraska-Lincoln, NE, USA
01/2026	Baylor, MCB, Houston, TX, USA
11/2025	Novo Nordisk Scientific Exchange Meeting Pre-Obesity Week, Atlanta, GA, USA
10/2025	Astra Zeneca, Cardiovascular, Renal and Metabolism (CVRM), Gothenburg, Sweden
03/2025	Monash Biomedicine Discovery Institute, Monash University, Australia
01/2025	UMass Metabolic Network, Seminar Series at UMass Chan Medical School, MA, USA
12/2024	2024 Antibody Engineering & Therapeutics, Marriott Marquis, San Diego, CA, USA
10/2024	Oppenheimer & Co., Inc. Conference, virtual, USA
10/2024	2024 Stem Cell and Regenerative Medicine, Berlin, Germany
08/2024	FASEB Nutrient Sensing and Signaling in Metabolism, MA, USA
07/2024	FASEB Molecular Metabolism: From Cells to Systems, MA, USA
06/2024	Session speaker, 84th American Diabetes Association, Orlando, FL, USA
04/2024	Metabolic Physiology Meeting, Hilton Head Island, SC, USA
04/2024	City of Hope, Arthur Riggs Diabetes & Metabolism Research Institute, CA, USA
01/2024	Kyttaro Ltd, Cambridge Science (CSC), Oxford, UK
10/2023	University of Pennsylvania, Perelman School of Medicine, (IDOM), Philadelphia, PA, USA
09/2023	University of Iowa Molecular Medicine, Iowa City, IA, USA
05/2023	Keystone Symposia: Type 2 Diabetes, Palm Springs, CA, USA
04/2023	4th International Conference on Cell and Experimental Biology, Houston, TX, USA
01/2023	Keystone Symposia: Bioenergetics in Health and Diseases, Keystone, CO, USA
01/2023	McGill University, Department of Biochemistry, Montreal, Quebec, Canada

11/2022 Weill Cornell/Stanford Cardiovascular Research Symposium, Stanford, CA, USA
10/2022 Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA
08/2022 Plenary speaker, Keystone Symposia, Whistler, Vancouver, BC, Canada
04/2022 3rd International Conference on Cell and Experimental Biology, Boston, MA, USA
03/2022 Cornell University, Division of Nutritional Sciences, Ithaca, NY, USA
01/2022 Mt Sinai and Albert Einstein College of Medicine, Diabetes Research Center, NY, USA
10/2021 University of British Columbia, Dept. of Cellular and Physiol. Sciences, Canada
10/2021 University of Manitoba, Department of Physiology and Pathophysiology, Canada
05/2021 8th Helmholtz Diabetes Conference, München, Germany
06/2019 ExoFest 2019 System Biosciences Conference, San Francisco, CA, USA
05/2019 UC Berkeley, Dept. of Nutritional Sciences and Toxicology, Berkeley, CA, USA
03/2019 Systems Biosciences, San Francisco, CA, USA
07/2018 ExoFest 2018 System Biosciences Conference, San Francisco, CA, USA
01/2018 Keystone Symposia: Organ Crosstalk in Obesity and NAFLD, Keystone, CO, USA
01/2017 Beth Israel Deaconess Medical Center, Cardiovascular Basic Research, Boston, MA, USA
03/2016 Keystone Symposia: New Therapeutics for Obesity and Diabetes, San Diego, CA, USA
05/2016 Novo Nordisk A/S, Research & Development, Obesity unit, Malov, Denmark
05/2016 University of Copenhagen, Center for Metabolic Research, Copenhagen, Denmark
04/2015 Keystone Symposia: Brown and Beige fat, Snowbird, Salt Lake City, UT, USA
02/2012 Keystone Symposia: Advances in Hypoxic Signaling, Banff, Calgary, Alberta, Canada
04/2011 American Association of Cancer Research Conference, Orlando, FL, USA
04/2012 International Society of Extracellular Vesicles, Gothenburg, Sweden
09/2010 AACR Metastasis and the Tumor microenvironment, Philadelphia, PA, USA
09/2008 North American Vascular Biology Organization, Hyannis, MA, USA

Local/Regional Invited Seminars

12/2025 Endocrine Grand Rounds, University of California San Francisco, CA, USA
11/2025 Department of Nutrition and Toxicology, University of California at Berkeley, CA, USA
11/2025 Arc Institute Symposium, CA, USA
10/2025 Molecular Therapeutics (MTx) division, University of California at Berkeley, CA, USA
10/2025 Weill Cancer Hub West FEAST Symposia, Mission Bay, USCF, San Francisco, CA, USA
07/2025 Longevity day, Lilly Gateway Labs, San Francisco, CA, USA
06/2025 Amgen, Thousand Oaks, CA, USA
05/2025 Curie.bio Founder Workshop at SDDS, Panelist, Stanford, CA USA
04/2025 Genentech, San Francisco, CA, USA
03/2025 MCHRI, Stanford, CA, USA
01/2025 Stanford Medicine Leadership Retreat, CA, USA
01/2025 Calico, San Francisco, CA, USA
11/2024 9th Annual Stanford Diabetes Forum, CA, USA
10/2024 Pathology Research Retreat, Stanford, CA, USA
09/2024 Chugai/Innovative Medicines Accelerator, Stanford, CA, USA
12/2023 Panorama Research Institute/Corsalex, Sunnyvale, CA, USA
11/2023 Autobahn Labs/Samsara BioCapital, Palo Alto, CA, USA
11/2023 The Column Group, San Francisco, CA, USA
11/2023 Curie.bio, San Francisco, CA and Boston, MA, USA
10/2023 Pfizer, Internal Medicine, San Francisco, CA and Cambridge, MA, USA
05/2023 Versant Ventures, San Diego, CA, USA
04/2023 Inception Therapeutics, San Diego, CA, USA
04/2023 Regenerative Medicine Seminar Series, Stanford, CA, USA
03/2023 Merck SEEDs Symposium, San Francisco, CA, USA
12/2022 SPARK program in translational research, Stanford, CA, USA
09/2022 CVI Faculty-Staff meeting, Stanford Cardiovascular Institute, Stanford, CA, USA

06/2022 Innovative Medicines Accelerator, Sarafan ChemH, Stanford, CA, USA
12/2021 SPARK program in translational research. Stanford, CA, USA
10/2021 Stanford CBI 2021 Faculty Mentor Lightning Talks, Stanford, CA, USA
06/2021 CVI Undergraduate Summer Research Program, Stanford University, Stanford, CA
05/2021 MSTP Physician Scientist Hour, Stanford University, Stanford, CA, USA
12/2020 Pediatric Endocrinology Seminar Series, Stanford University, Stanford, CA, USA
11/2020 5th Annual Frontiers in Diabetes Symposium, Stanford University, Stanford, CA, USA
06/2020 CVI Undergraduate Summer Research Program, Stanford University, CA, USA
11/2019 Obesity, Diabetes & Metabolism Research Retreat, Session chair, UCSF, CA, USA
10/2019 Bay Area Metabolism Meeting (BAMM), Stanford University, Stanford, CA, USA
06/2019 The Baxter Foundation Finalist, Stanford University, Stanford, CA, USA
05/2018 Stanford Diabetes Research Center (SDRC), Seminar series, CA, USA
03/2018 Stanford University, Div. of Cardiovascular Medicine, Stanford, CA, USA
01/2017 Beth Israel Deaconess Medical Center, Boston, MA, USA
12/2016 Dana Farber Cancer Institute, Annual Joint Retreat, Boston, MA, USA
10/2015 Harvard Medical School Annual Cell Biology Retreat, Boston, MA, USA
09/2014 Harvard Medical School, Microvesicles and Exosomes Seminars, Boston, MA, USA
09/2011 Department of Oncology Seminar Series. Lund University, Sweden

NATIONAL AND LOCAL MEETING ORGANIZATION

09/2026 *(TBH)* Organizer, 7th Bay Area Metabolism Meeting (BAMM) Stanford, CA, USA
05/2026 Co-organizer, 10th Annual Frontiers Diabetes Research Symposium Stanford, CA, USA
06/2026 Co-organizer, 2026 American Diabetes Association, New Orleans, LA, USA
09/2025 Organizer, 6th Bay Area Metabolism Meeting (BAMM) Stanford, CA, USA
06/2025 Co-organizer, Co-Chair, 2025 American Diabetes Association, Chicago, IL, USA
05/2025 Moderator, 9th Annual Frontiers Diabetes Research Symposium Stanford, CA, USA
12/2024 Co-chair, Antibody Engineering & Therapeutics, San Diego, CA, USA
09/2024 Organizer, 5th Bay Area Metabolism Meeting (BAMM) Stanford, CA, USA
12/2023 Moderator, Stanford-Upenn-Duke-Weill Cornell Symposium, Stanford, CA, USA
09/2023 Organizer, 4th Bay Area Metabolism Meeting (BAMM) Stanford, CA, USA
04/2023 Co-organizer, 7th Annual Frontiers Diabetes Research Symposium Stanford, CA, USA
09/2022 Organizer, 3rd Bay Area Metabolism Meeting (BAMM) Stanford, CA, USA
04/2022 Poster judge, 6th Frontiers in Diabetes Research Symposium, Stanford, CA, USA
09/2020 Organizer, 2nd Bay Area Metabolism Meeting (BAMM) Virtual Meeting CA, USA
09/2019 Founder and organizer, 1st Bay Area Metabolism Meeting (BAMM), Stanford, CA, USA bayareametabolismmeeting.com
06/2019 Co-organizer, 2019 ExoFEST System Biosciences Conference, San Francisco, CA, USA

PROFESSIONAL ORGANIZATIONS

2021- present Member, Endocrine Society (Oxford)
2020- present Member, American Heart Association (AHA)
2019- present Member, American Diabetes Association (ADA)
2021 Member, American Society for Biochemistry and Molecular Biology (ASBMB)
2019 Member, American Association for Cancer Research (AACR)

UNIVERSITY ADMINISTRATIVE SERVICE

Leadership Roles

2025 - present Co-Director of the P&F Program, Stanford Diabetes Research Center (SDRC)
2024 - present Associate Director, Nutrition and Obesity Research Center (NORC) (*pending NIH center grant*)
2022 - present Head of the Stanford Metabolic Core Facility, Stanford Diabetes Research Center (SDRC)
2019 - present Affinity Group Leader of the Metabolism and Signaling group at the

Stanford Diabetes Research Center (SDRC)

University and Departmental Services

2026 Cancer Biology Admissions Committee
2023-2024 Faculty Search Committee, Division of Endocrinology
2023 Cancer Biology Admissions interviews
2022 Pathology Research Retreat Poster Review Committee
2019-2022 Pathology Department Research Committee (3-year term)
2020-2021 MSTP MD-PhD Program Admissions Committee
2020-2023 Endocrinology Fellowship Admissions interviews
2019-2020 Cancer Biology Admissions Committee
2019 Faculty Search Committee, Department of Pathology
2018 Faculty review workshop (Tackling your K), Reviewer, CVI, Stanford
2017 Advisor at K99 Grant Writing Workshop, Harvard Medical School

TEACHING

Formal teaching

2026 *(TBH)* BIOS-446 Metabolism and Metabolic Techniques in Research, Seminar, 1h
2024 CBIO-280 Journal Club Fall Faculty Talks, 1h
2024 BIO-C224 Advanced Cell Biology Winter, Discussion leader, 2h/wk for 8 weeks
2022 BIO-C224 Advanced Cell Biology Winter, Discussion leader, 2h/wk for 8 weeks
2021 CBIO-240 Molecular and Genetic Basis of Cancer, Fall, Lecturer, 1h
2021 CBIO-240 Molecular and Genetic Basis of Cancer, Fall, Discussion leader, 1h/wk for 10 wks
2021 BIO-C214 Advanced Cell Biology, Winter, Lecturer, 1.5h
2021 BIO-C214 Advanced Cell Biology, Winter, Discussion leader, 1h/wk for 8 wks
2020 CBIO-240 Molecular and Genetic Basis of Cancer, Fall, Discussion leader, 1h/wk for 10 wks
2019 CBIO-240 Molecular and Genetic Basis of Cancer, Fall, Discussion leader, 2h/wk for 10 wks
2019 BIOS-263 Biosciences Grant Writing Academy, Discussion leader, 2h total
2018 BIOS-242 Biosciences Grant Writing Academy (11/2/2018, 10/12/2018, 10/11/2018) 6h
2018 CBIO-242 Lecture, Cancer Biology Graduate Program (10/3/2018) Lecturer, 1h
2012 Summer projects for medical students, Examiner, Lund University
2011 Radiobiology, Medical Physicist Program, Lund University
2010-2011 Cell Biology for Medical Students, Discussion leader, Lund University
2010 Anatomy for Medical Students, Laboratory instructor, Lund University

THESIS DEFENSE COMMITTEES

2026 Thesis chair, Miles Tyner, Supervisor Michael Howitt, Microbiology
2025-current Thesis committee, Kyle Trinh Supervisor Jonathan Long, Molecular and Cellular Physiology
2025-current Thesis committee, Pre Lavinia, Supervisor Dr. Martha Cyert, Biology
2025-current Thesis committee, Sam Bollinger, Supervisor Dr. Peter Jackson, Cancer Biology
2025-current Thesis committee, Pallas Chou, Supervisor Dr. Steven Corsello, CSB
2025 Thesis chair, Songnan Wang, Supervisor Dr. Lingyin Li, Biochemistry
2025 Thesis committee, Samantha Scharenberg, Supervisor Dr. Monther Abu-Remaileh, Biophysics
2024 Thesis committee, Amanda Wiggenhorn, Supervisor Dr. Jonathan Long, Chemistry
2024 Thesis committee, Veronica Li, Supervisor Dr. Jonathan Long, Chemistry
2023 Thesis non-reader, Justin Donnelly, Supervisor: Carolyn Bertozzi, Chemistry
2021 Thesis chair, Vy Nguyen, Supervisor: Seung Kim, Developmental Biology
2021 Thesis chair, Anthony Cordova, Supervisor Dr. Lingyin Li, Biochemistry
2021 Thesis chair, Hannah Moeller, Supervisor Dr. Justin Annes, CSB

MENTORING

Postdoctoral/Medical Fellows and Scientists	**Year**	**Awards**	**Next Position**
Zhuoran Li, Ph.D.	2026–current		
Avinash Londhe, Ph.D.	2024–current		
Jameel Lone, Ph.D.	2023–current	Outstanding Abstract Award ENDO 2026	
Saranya Reghupaty, Ph.D.	2023–current	AHA Fellowship 2026; Wu-Tsai Fellowship 2024; Dean's Fellowship 2024	
Laetitia (Voilquin) Coassolo, Ph.D.	2020–current	AHA Fellowship 2023; Dean's Fellowship 2022	Senior Research Scientist, Stanford
Zeyuan Zhang, Ph.D.	2024–2026	AHA Postdoctoral Fellowship 2026	Postdoc, Stanford
Patil Kavarian, M.D.	2023–2025	T32 Fellowship 2023; MCHRI Fellowship 2023; Stanford Pediatrics Scholarship 2023	Resident
Lianna Wat, Ph.D.	2022–2025	AHA Fellowship 2024; Dean's Fellowship 2023	Postdoc, Stanford
Meng (Gemma) Zhao, Ph.D.	2018–2024	NIH K99/R00 2023–2025; AHA Fellowship 2022	Assistant Professor, UC Davis
Niels B. Danneskiold-Samsoee, Ph.D.	2020–2023	Carlsberg Postdoctoral Fellowship 2020	Assistant Professor, U. of Copenhagen, Denmark
Yunshin Jung, Ph.D.	2018–2021	B. Carrington Poster Award 2019	Research Scientist, Korea
Gentaro Ikeda, Ph.D.	2021–2025	AHA Career Development Award 2022	Instructor, Stanford University
Ewa Bielzcyk-Maczynska, Ph.D.	2019–2023	AHA Postdoctoral Fellowship 2018	Assistant Professor, University of Minnesota
Research Technicians			
Ramya Lakshmi Narasimhan, B.S.	2024–current		
Bernadette Gallardo, B.S.	2024–current		
Quennie Nguyen, B.S.	2020–2024		MD student, Georgetown University
Tina Asemi, B.S.	2023		Ph.D. student, Georgetown University
Nicholas Dall, B.S.	2023		
Hobson Allen, B.S.	2021–2022		Ph.D. student, Texas A&M
Tanushi Sahai, B.S.	2020–2021		Researcher, Synthego
Zewen Jiang, B.S., M.S.	2018–2020		Ph.D. student, UCSF

Graduate/Postbac Students			
Vishva Venkatesan	2026	Master student	
Francesca Jo-Ann Day	2026	Rotation student	
Evander Li	2026	Rotation student	
Krystina Szylo	2025	Rotation student	
Ngan Do Vo	2025–2026	REACH Postbac award	MD student, U.Michigan

Julie Jae Kim	2024–2025	REACH Postbac award	Graduate student, Harvard University
Karen Garelli	2023–current		

Undergraduate Students

Michelle To	2025–current	Jack Kent Cooke Foundation Award, Wu-Tsai Human Performance Undergraduate Award	
Birva Pinto	2025	AHA SURE Award; CVI Best Poster Award	
Khoa Trinh	2025		
Mai Ideshita	2025		
Aayan Patel	2022–2024		MD student, Stanford
Deniz Kavi	2022–2023		Founder, Tamarind.bio
Galia Santana-Oikawa	2022–2023		
Khusbu Adhikari	2022–2023		
Sydney Li	2023	CCOP-CORE Summer Internship	
Blythe Broido	2022–2023		
Bryan Romero	2021–2022		
Danielle Young	2022	AHA SURE Award	
Isaiah Jimenez	2022	CVI Summer Award	
Taylor Brown	2021	Stanford–Meharry Summer Research Program	
Nickeisha Cuthbert	2020–2021	CVI Award; AHA SURE Award	
David Toomer	2020–2021		
Shrika Paramasivam	2020–2021	Science Fair Award; ASBMB Award	
Adam O'Regan	2019		Pattern Ag
Allison Schwartz	2018–2019		