

Xiaofei Bai, Ph.D., M.Sc.

Assistant Professor,

Department of Biology; Genetics Institute,
University of Florida, Gainesville, FL, USA.

Google Scholar: <https://scholar.google.com/citations?user=WLfhCuMAAAAJ&hl=en>

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Education

- 08/2013 – 05/2018 **Ph.D. in Cell Biology and Biochemistry**
Department of Biochemistry & Cellular and Molecular Biology.
The University of Tennessee, Knoxville, TN, USA.
(Mentor: Joshua N. Bembenek, Ph.D.)
[Thesis: Investigating the roles of master cell cycle regulators during cytokinesis and embryonic development in *Caenorhabditis elegans*](#)
- 09/2009 – 07/2012 **M.Sc. in Plant Molecular Biology**
Department of Life Science, Inner Mongolia Agricultural University, Hohhot, Inner Mongolia, China. (Mentor: Guojing Li, Ph.D.)
[Thesis: Establishment of an agrobacterium-mediated transformation system in soybean](#)
- 09/2005 – 07/2009 **B.E. Bioengineering Major**
Department of Life Science, Inner Mongolia Agricultural University, Hohhot, Inner Mongolia, China. (Mentor: Guojing Li, Ph.D.)

Professional Experiences

- 08/2023– Current **Assistant Professor**
Department of Biology & Genetics Institute,
University of Florida, Gainesville, FL, USA.
- 08/2023– Current **Affiliate Assistant Professor**
Department of Physiology and Aging
University of Florida, Gainesville, FL, USA.
- 11/2023– Current **Affiliate Assistant Professor**
Department of Molecular Genetics and Microbiology
University of Florida, Gainesville, FL, USA.
- 06/2018 – 06/2023 **Post-doctoral Fellow**
National Institute of Diabetes and Digestive and Kidney Diseases, NIH. Bethesda,
MD, USA. (Mentor: Andy Golden, Ph.D.)
[Modeling genetic diseases in the nematode model *C. elegans*.](#)
- 10/2012 – 07/2013 **Research Assistant**
Chinese Academy of Agricultural Science, Beijing, China.
[Developing a quick molecular assay to evaluate the biosafety of genetically modified soybeans in the natural environment.](#)

Fellowship

- 2020 – 2023 Nancy Nossal Fellowship Award, NIDDK, NIH (An internal NIDDK research fellowship).

Funding and Grants

2022 – 2026 NIH Pathway to Independence Award (K99/R00), NIGMS.

Project Title: Modeling PIEZO-associated diseases in *Caenorhabditis elegans*: from genetics to mechanism.

Total Budget: \$ 726,569

Academic/Professional Honors

2022 1st Place for Postdoc Presentation Award for Mid-Atlantic SDB meeting

2022 Best Oral Presentation Award for the 17th Annual NIDDK/NIH Scientific Conference

2021 DeLill Nasser Travel Award for Professional Development in Genetics, Genetics Society America

2021 Disease Models & Mechanisms Conference Travel Grant, the Company of Biologists Limited

2020 NIDDK Employee Appreciation Director's Award (Scientific, Group)-Fellows Advisory Board

2020 NIH Fellows Award for Research Excellence (awarded to the top 25% of applicants)

2019 NIH Summer Research Mentor Award

2017 ASCB U.S. Graduate Students Travel Awards

2016, 2017 The Graduate Student Senate Travel Awards. The University of Tennessee, Knoxville.

2005 – 2009 Undergraduate Scholarship (awarded to the top 25% of undergraduates annually for excellence in both academic performance and student activities), Department of Life Science, Inner Mongolia Agricultural University, Hohhot, Inner Mongolia, China

Publications

Peer-Reviewed Publications

(19) **Xiaofei Bai** *, Harold E. Smith, and Andy Golden. Identification of Genetic Suppressors for a Berardinelli-Seip Congenital Generalized Lipodystrophy Type 2 (BSCL2) Pathogenic Variant in *C. elegans*. ***Disease Models & Mechanisms***, 2024. (* Corresponding author).

(18) **Xiaofei Bai***, Harold E. Smith, Luis O Romero, Briar Bell, Valeria Vásquez, and Andy Golden. Mutation in F-actin Polymerization Factor Suppresses Distal Arthrogyrosis Type 5 (DA5) PIEZO2 Pathogenic Variant in *Caenorhabditis elegans*. ***Development***, 2024. 151, PMID: 38349741. (* Corresponding author).

(17) **Xiaofei Bai***, Andy Golden. Transmembrane protein 120A (TMEM-120A/TACAN) coordinates with PIEZO channel during *C. elegans* reproductive regulation. ***G3: Genes, Genomes, Genetics***, 2023 Dec 5; jkad251. doi: 10.1093/g3journal/jkad251, (* Corresponding author).

(16) Kara McDonald, Kerry Larkin, Daniel J Dickinson, Andy Golden, **Xiaofei Bai***, Ryan Doonan*. Using CRISPR knock-in of fluorescent tags to examine isoform-specific expression of EGL-19 in *C. elegans*. ***microPublication Biology***. 2023 Sep 7:2023:10.17912/micropub.biology.000858. (*Corresponding author).

<https://www.micropublication.org/journals/biology/micropub-biology-000858>

(15) **Xiaofei Bai**[§], Rebecca Green[§], Tao Cai, Karen Oegema, and Andy Golden. A missense mutation in the *C. elegans src-2* tyrosine-protein kinase reduces brood size and enhances embryonic morphogenesis defects in *src-1(RNAi)* conditions. ***microPublication Biology***. 2023. (§Contributed equally to this manuscript, * Corresponding author).

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10366678/>

(14) Alexandre Toulmay, Fawn Whittle, Jerry Yang, **Xiaofei Bai**, Jessica Diarra, Subhrajit Banerjee, Ashley Ferguson, Tim Levine, Andy Golden, William Prinz. Vps13-like proteins provide phosphatidylethanolamine for glycosylphosphatidylinositol anchor synthesis in the ER. ***Journal of Cell Biology***, 2022; 221,3.

<https://doi.org/10.1083/jcb.202111095>.

(13) Kiley Hughes[§], Ashka Shah[§], **Xiaofei Bai**, Adams Jessica, Rosemary Bauer, Janelle Jackson, Chance Bainbridge, Emily Harris, Alyson Ficca, Ploy Freebairn, Shawn Mohammed, Eliana Fernández, Marcela Brocco, Wolfgang Stein, Andres Vidal-Gadea. Distinct mechanoreceptor *pezo-1* isoforms modulate food intake in the nematode *Caenorhabditis elegans*. ***G3: Genes, Genomes, Genetics***, 2022. <https://doi.org/10.1093/g3journal/jkab429>. (§ Contributed equally to this manuscript).

(12) Elodie Mailler, Carlos Guardia, **Xiaofei Bai**, Michal Jarnik, Chad Williamson, Yan Li, Nunziata Maio, Andy Golden and Juan S. Bonifacino. The autophagy protein ATG9A enables lipid mobilization from lipid droplets at sites of phagophore formation. ***Nature Communications***. 2021. 12:6750. <https://www.nature.com/articles/s41467-021-26999-x>

(11) Todd Starich, **Xiaofei Bai**, David Greenstein. Gap junctions deliver malonyl-CoA from soma to germline to support embryogenesis in *Caenorhabditis elegans*. ***eLife***. 2020. Jul 31;9. <https://elifesciences.org/articles/58619>

- (10) **Xiaofei Bai**, Leng-Jie Huang, Sheng-Wen Chen, Benjamin Nebenfuhr, Brian Wysolmerski, Jui-Ching Wu, Sara K. Olson, Andy Golden, Chao-Wen Wang. Loss of the seipin gene perturbs eggshell formation in *Caenorhabditis elegans*. *Development*. 2020. Oct 16; 147(20). <https://pubmed.ncbi.nlm.nih.gov/32820022/>
- (9) Lindsay Rathbun, Abrar Alijiboury, **Xiaofei Bai**, Julie Manikas, Jeffrey Amack, Lilianna Solnica-Krezel, Joshua Bembenek, Heidi Hehnly. PLK1- and PLK4-mediated asymmetric mitotic centrosome size and positioning in the early zebrafish embryo. *Current Biology*. 2020 Sep 3; S0960-9822(20)31264-1.
- (8) **Xiaofei Bai**, Jeff Bouffard, Avery Lord, Katherine Brugman, Paul Sternberg, Erin Cram, Andy Golden. *Caenorhabditis elegans* PIEZO channel coordinates multiple reproductive tissues to govern ovulation. *eLife*. 2020;9. Epub 2020/06/04. (Faculty Opinions Recommendation: <https://facultyopinions.com/prime/738065203>). <https://elifesciences.org/articles/53603>
- (7) **Xiaofei Bai**, David Woodbury and Andy Golden. The *fasn-1(g14ts)* allele is a Gly1830Arg missense mutation in *C. elegans* FASN-1. *microPublication Biology*. 2020. PMID: 32550489.
- (6) **Xiaofei Bai**, Michael Melesse, Christopher G. Sorensen Turpin, Dillon E. Sloan, Chin-Yi Chen, Wen-Cheng Wang, Po-Yi Lee, James R. Simmons, Benjamin Nebenfuhr, Diana Mitchell, Lindsey R. Klebanow, Nicholas Mattson, Eric Betzig, Bi-Chang Chen, Dhanya Cheerambathur, Joshua N. Bembenek. Aurora B functions at the apical surface after specialized cytokinesis during morphogenesis in *C. elegans*. *Development*. 2020. Jan 8; 147 (1). (*Research Highlight “AIR-2 in atypical apical polarization”. *Development*, 2020 147: e0101. *The Company of Biologists Featured Movie). <https://pubmed.ncbi.nlm.nih.gov/31806662/>
- (5) Michael Melesse, Dillon E Sloan, Joseph T Benthall, Quincey Caylor, Krishen Gosine, **Xiaofei Bai**, Joshua N Bembenek. Genetic identification of separate regulators in *Caenorhabditis elegans*. *G3: Genes, Genomes, Genetics*. 2018, 8 (2): 695-705.
- (4) **Xiaofei Bai**, Joshua Bembenek. VISIONS: The ART OF SCIENCE: Orchestrating early embryonic divisions. *Molecular Reproduction and Development*. 2017.
- (3) **Xiaofei Bai**, Joshua Bembenek. Protease dead separate inhibits chromosome segregation and RAB-11 vesicle trafficking. *Cell Cycle*, 2017, 16(20):1902-1917. <https://pubmed.ncbi.nlm.nih.gov/28820333/>
- (2) Qingmei Han, Shi Sun, Wensheng Hou, Cunxiang Wu, **Xiaofei Bai**, Yang Yu, Yanfeng Zhou, Tianfu Han. Identification and genetic stability analysis of transgenic soybean with enhanced level of methionine. *Chinese Journal of Oil Crop Science*. 2015, 37(6): 789-796. (* Chinese Academic Peer Reviewed Core Journal).
- (1) Qi Yang, **Xiaofei Bai**, Yang Gao, Lijiang Yi, Jingyu Cong, Ruigang Wang, Guojing Li. cDNA cloning of CBF/DREB1 transcription factor of *Ammopiptanthus mongolicus* and its sequence analysis. *Genomics and Applied Biology*. 2009, 28 (6): 1043. (* Chinese Academic Peer Reviewed Core Journal).

Manuscripts under Review:

- (1) Subhrajit Banerjee, Stephan Daetwyler, **Xiaofei Bai**, Morgane Michaud, Juliette Jouhet, Shruthi Madhugiri, Emma Johnson, Chao-Wen Wang, Reto Fiolka, Alexandre Toulmay, William A Prinz. The Vps13-like protein BLTP2 is pro-survival and regulates phosphatidylethanolamine levels in the plasma membrane to maintain its fluidity and function. BioRxiv, doi: 10.1101/2024.02.04.578804, under review at *Nature Cell Biology*.
- (2) Yeon-Ji Park, Jihye Yeon, Jihye Cho, Do-Young Kim, **Xiaofei Bai**, Yuna Oh, Jimin Kim, HoJin Nam, Hyeonjeong Hwang, Woojung Heo, Jinmahn Kim, Seoyoung Jun, Kyungeun Lee, KyeongJin Kang, Kyuhyung Kim. PIEZO acts in an intestinal valve to regulate swallowing in *C. elegans*. BioRxiv, doi: <https://doi.org/10.1101/2024.05.14.594054>. under review at *Nature Communications*.

Published Material about my work:

- 1) Research Highlight “AIR-2 in atypical apical polarization”. [Development, 2020 147: e0101.](https://pubmed.ncbi.nlm.nih.gov/32820022/)
- 2) The Company of Biologists Featured Movie. <https://youtu.be/vhUUh-Xv3Fk?si=VDfYBbej-lSgnNAb>
- 3) Fellow Spotlight: Xiaofei Bai, Ph.D. NIDDK/NIH. <https://www.niddk.nih.gov/about-niddk/meet-director/directors-update/2022-fall/news-around-niddk#section6>

Conference, Symposium, and Professional Meeting

Invited Seminars and Talks

2024 Florida Worm Meeting, Florida Institute of Technology, Melbourne, Florida.

Inviter: Dr. Sandy Westerheide, Department of Molecular Biosciences, University of South Florida.
2024 Florida Tech University, Bioengineering Department Seminar, Florida.

Inviter: Dr. Tristan Fiedler, Department of Biomedical Engineering & Science.
2024 STEMinar Series, Daytona State College, Daytona Beach, Florida.

Inviter: Dr. Gajendra Tulsian. School of Biological & Physical Sciences
2023 University of Florida Genetics Institute (UFGI) Seminar Series.
University of Florida, Gainesville, FL.

2023 Science for Life Research Course, University of Florida, Gainesville, FL.

Inviter: Dr. Mary Koroly
2023 Biochemistry and Molecular Biology Club, University of Florida, Gainesville, FL.

Inviter: Dr. Lauren Douma
2023 Anatomy and Cell Biology & MCB Research Seminar and Data Club, University of Florida, Gainesville, Florida.

Inviter: Dr. Maria Zajac-Kaye.
2023 Chemical Biology Seminar. University of Florida, Gainesville, Florida.

Inviter: Dr. Matthew Eddy.

Oral Presentations

2022 *C. elegans* 2022 Development Cell Biology & Gene Expression. “Modeling Congenital Generalized Lipodystrophy in *Caenorhabditis elegans*”. University of Wisconsin-Madison, WI.

2022 17th Annual NIDDK Scientific Conference ONLINE. “Modeling Congenital Generalized Lipodystrophy in *Caenorhabditis elegans*”.

2021 Mid-Atlantic Regional Meeting of the Society for Developmental Biology ONLINE. “Deciphering the Cellular and Molecular Mechanisms of Congenital Generalized Lipodystrophy in *Caenorhabditis elegans*.”

2019 Mid-Atlantic Regional Meeting of the Society for Developmental Biology. “Modeling Genetic Diseases of PIEZO2 Dysfunction in *C. elegans*.” Penn State University, PA.

2017 21st International *C. elegans* Conference. “Programmed Variation of Cytokinesis Contribute to Morphogenesis in the *C. elegans* embryo.” UCLA, Los Angeles, CA.

2017 The ASCB Triangle Cytoskeleton Meeting. “Programmed Variation of Cytokinesis Contribute to Morphogenesis in the *C. elegans* embryo.” Saxapahaw NC.

2017 The Southeastern Regional Society for Developmental Biology Meeting. “A potential role for the midbodies in developing tissues of *C. elegans*” Kennesaw State University, GA.

2016 Comparative & Experimental Medicine Research Symposium. “The Protease Activity of Separase is Required for Both Chromosome Segregation and Membrane Trafficking during Anaphase” The University of Tennessee, Knoxville, TN.

Poster Presentations

2024 TAGC Modeling Distal Arthrogyrosis Type 5(DA5) caused by a PIEZO2 Pathogenic Variant in *Caenorhabditis elegans*”. Washington DC.

2023 Cell Bio 2023 (ASCB/EMBO Annual Meeting). “Modeling Distal Arthrogyrosis Type 5(DA5) caused by a PIEZO2 Pathogenic Variant in *Caenorhabditis elegans*”. Boston, MA.

2023 Florida Genetics Symposium 2023. “Deciphering the Cellular and Molecular Mechanisms of Congenital Generalized Lipodystrophy in *Caenorhabditis elegans*”. Gainesville, FL.

2022 Cell Bio 2022 (ASCB/EMBO Annual Meeting) ONLINE. “Deciphering the Cellular and Molecular Mechanisms of Congenital Generalized Lipodystrophy in *Caenorhabditis elegans*”.

2022 Mid-Atlantic SDB meeting. “Modeling Congenital Generalized Lipodystrophy in *Caenorhabditis elegans*”. Lehigh University, Bethlehem, PA.

2021 Cell Bio 2021 (ASCB/EMBO Meeting) ONLINE. “Deciphering the Cellular and Molecular Mechanisms of Congenital Generalized Lipodystrophy in *Caenorhabditis elegans*”.

2021 SDB 80th Annual Meeting ONLINE. “Deciphering the Cellular and Molecular Mechanisms of Congenital Generalized Lipodystrophy in *Caenorhabditis elegans*”.

2021 23rd International *C. elegans* Conference ONLINE. Deciphering the functional roles of PIEZO mechanosensors in reproduction”.

2021 16th Annual NIDDK Scientific Conference ONLINE. “Deciphering the functional roles of PIEZO mechanosensors in reproduction”.

2021 47th Annual Meeting of the Texas Genetics Society ONLINE. “Deciphering the functional roles of PIEZO mechanosensors in reproduction”.

2020 ASCB/EMBO Meeting ONLINE. “*Caenorhabditis elegans* PIEZO Channel Coordinates Multiple Reproductive Tissues to Govern Ovulation”.

2020 SDB 79th Annual Meeting ONLINE. “*Caenorhabditis elegans* PIEZO Channel Coordinates Multiple Reproductive Tissues to Govern Ovulation”.

2020 TAGC Virtual meeting. “*Caenorhabditis elegans* PIEZO Channel Coordinates Multiple Reproductive Tissues to Govern Ovulation”.

2019 ASCB/EMBO Meeting. “*Caenorhabditis elegans* PIEZO Channel Coordinates Multiple Reproductive Tissues to Govern Ovulation”. Washington D.C.

2019 Mechanobiology Across Length Scales Symposium. “A PIEZO-Like Channel Functions as a Mechanosensitive and Signaling Regulator that Governs Ovulation in *Caenorhabditis elegans*”. NIH, Bethesda, MD.

2019 22nd International *C. elegans* Conference. “Modeling Genetic Diseases of PIEZO Dysfunction in *C. elegans*”. UCLA, CA.

2019 Mid-Atlantic Regional Meeting of the Society for Developmental Biology. “Modeling Genetic Diseases of PIEZO Dysfunction in *C. elegans*.” Penn State University, PA.

2019 14th Annual NIDDK Scientific Conference. “Modeling Genetic Diseases of PIEZO Dysfunction in *C. elegans*.” NIH, Bethesda, MD.

2017 ASCB/EMBO Meeting, Philadelphia, PA. “Programmed Variation of Cytokinesis Contribute to Morphogenesis in the *C. elegans* embryo”.

2016 ASCB Annual Meeting. “The protease activity of separase is required for both chromosome segregation and membrane trafficking.” San Francisco, CA.

2016 ASCB Annual Meeting. “A potential role for midbodies in developing tissues of *C. elegans*.” San Francisco, CA.

2016 The Allied Genetics Conference (TAGC). “The protease activity of separase is required for both chromosome segregation and membrane trafficking during anaphase.” Orlando, FL.

2016 The Allied Genetics Conference (TAGC). “A potential role for midbodies in developing tissues of *C. elegans*.” Orlando, FL.

2016 Cell Dynamics Symposium. “A potential role for midbodies in developing tissues of *C. elegans*.” Vanderbilt University, Nashville, TN.

2016 Cell Dynamics Symposium. “The protease activity of separase is required for both chromosome segregation and membrane trafficking during anaphase.” Vanderbilt University, Nashville, TN.

2015 The Triangle Cytoskeleton Meeting- ASCB. “The protease activity of separase is required for both chromosome segregation and regulation of membrane trafficking during mitotic and meiotic exocytosis.” Saxapahaw, NC.

2015 The 20th *C. elegans* International Meeting. “The protease activity of separase is required for both of chromosome segregation and regulation of membrane trafficking during cytokinesis.” UCLA, CA.

2014 The Triangle Cytoskeleton Meeting-ASCB. “The protease activity of separase is required for both of chromosome segregation and regulation of membrane trafficking during cytokinesis.” Duke University, Durham, NC.

Career Training

2022 GENETICS Peer Review Training Program fellow.

2021 “Becoming a Responsible Scientist”- Ethics in Research Training for Postdocs, NIH.

2021 The Racial Equity Institute (REI) Groundwater Training, NIH.

2021 MaxQuant Summer School ONLINE,
Computational analysis of proteomics data generated by modern mass spectrometers.

2021 Translational Science Training Program, NIH.

2021 MATLAB Fundamentals Training Course, MathWorks.

2020 Grant writing workshop
(Five series workshops for K99/R00 grant writing and application), NIH/NIAID.

2019 NIH FAES Scientific Writing Class (Six weeks classes for manuscript writing), NIH.

2019 “Scientists Teaching Science 9-week Pedagogy Course”, NIH.

2019 Management Bootcamp, NIH.

2019 Workplace Dynamics Series Workshop (Five Weeks), NIH.

2019 Academic Job Interviews workshop, NIH.

2018 Grant Writing Workshop,
(Six weeks training for K99/R00 grant writing and application), NIH/NIDDK.

Scientific Community Service and Professional Memberships

2023 – 2024	Faculty Search Committee (Marine Biology), Department of Biology, University of Florida.
2019 – 2022	Chair of Facilities & Resources Committee, NIDDK Fellows Advisory Board (FAB).
2022	Co-Moderator of Mid-Atlantic SDB meeting
2022	Judge for NIH Postbac Poster Day.
2022	Judge for the 17 th Annual NIDDK Scientific Conference Award Competition.
2022	Judge for the NIH FARE 2023 Travel Award Competition.
2022	Poster Judge for 18th Annual Graduate Student Research Symposium, NIH.
2022	Co-Organizer of 17 th Annual NIDDK Scientific Conference.
2021	Poster Judge for 23 rd International <i>C. elegans</i> Conference.
2021	Judge for NIH Postbac Poster Day.
2021	Co-Organizer of 16 th Annual NIDDK Scientific Conference.
2021	Poster Judge for the 47 th Annual Meeting of the Texas Genetics Society ONLINE.
2021	Judge for the 16 th Annual NIDDK Scientific Conference Award Competition.
2021	Judge for the NIH FARE 2022 Travel Award Competition.
2019	Co-Organizer of NIDDK/LBG branch seminar.
2019	Judge for the NIH FARE 2020 Travel Award Competition.
2019	Lead Judge for NIH Annual Post-bac Poster Day.
2017	Organizer of UTK SPAC CRISPR/Cas9 Workshop.
2016	Volunteer at ASCB Annual Meeting.
2023 – present	Review Editor at Frontier of Genetics
2023 – present	Review Editor at Frontier of Cell and Developmental Biology
2022 – present	Registered Reviewer for Communications Biology (Springer Nature).
2022 – present	Early Career Reviewer (ECR) at GENETICS (two-year period).
2021 – present	Registered Reviewer for Developmental Biology.
2017 – Present	Member, Society for Developmental Biology.
2016 – Present	Member, American Society for Cell Biology.
2014 – Present	Member, Genetics Society of America.

Peer-Review Record

2023 Journal of Cell Biology
 2024 Nature Communications
 2024 Micropublication Biology

Teaching Experience

University of Florida

2024 Immersion course: Modeling human genetic diseases in *C. elegans*
 -Six weeks hands-on CRISPR/Cas9 gene editing course

University of Tennessee, Knoxville

2014 – 2017 Teaching Assistant of the Advanced Cell Biology Class at the University of Tennessee, Knoxville.
 2013 – 2014 Teaching Assistant of the Botany and Plant Physiology Class at the University of Tennessee, Knoxville.

Mentoring and Trainees' Awards

University of Florida, Gainesville, FL.

2023- Current Eight Undergraduate research fellows:

1) Yooseong Wang

Research Awards under my supervision:

2024 UF Emerging Scholars Program Scholarship (\$1000).
2024 University Scholars Program (\$1750 for students; \$500 for mentor).
2024 UF Undergraduate Research Assistantship Program (URAP) (\$250).

2) Ricardo Roure,

Research Awards under my supervision:

2024 UCLA Bruins-in-Genomics (BIG) Summer Program.

2024 Recipient of McNair Scholars Program

3) Anushka Patil,

4) Jason Sadiqi,

5) Isabela Tagala (part-time technician).

6) Kavin Kovachik

7) Carly Serlenga

8) Lucy Lopate

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), NIH

2023	Summer research intern, Gwen Eichfeld, Colgate University.
2022- 2023	Postbaccalaureate fellow, Sydney Kelly, NIH.
2022	Postbaccalaureate fellow, Kerry Larkin, NIH.
2019	Summer research intern, Kyle Wilson, University of Maryland, College Park.
2018	Summer research intern, Davy Woodbury, Muhlenberg College.