

Duygu Ucar, Ph.D.
Full Professor

10 Discovery Drive
Farmington, CT 06032

RESEARCH PROFESSIONAL EXPERIENCE

2024-Current Full Professor, **The Jackson Laboratory for Genomic Medicine**
 2019-2024 Associate Professor, **The Jackson Laboratory for Genomic Medicine**
 2013-2019 Assistant Professor, **The Jackson Laboratory for Genomic Medicine**
 2008 Guest Researcher, Center for Biological Sequence, **Technical University of Denmark**, Copenhagen, Denmark
 2006 Research Intern, Applied Genomics Department, **Bristol Myers Squibb**, Hopewell, NJ, USA

EDUCATION

2010-2013 Post-doctoral fellow, Genetics Department, **Stanford University**, Stanford, CA USA
 2009-2010 NSF Computing Innovation fellow, Internal Medicine Department, **University of Iowa**, Iowa City, IA USA
 2003-2009 Ph.D., Computer Science, **Ohio State University**, Columbus, OH USA
 1998-2003 B.S., Computer Science, **Bilkent University**, Ankara, Turkey

EXECUTIVE SUMMARY

I am a scientist with interdisciplinary training in systems immunology, epigenomics, computational biology, and the biology of aging. My research program focuses on understanding how infectious diseases and aging shape human immune development and function, with the ultimate goal of improving vaccine efficacy and therapeutic strategies across the lifespan.

My lab applies a systems immunology framework—integrating single-cell genomics, functional immunology, and computational analysis—to investigate how immune responses vary across individuals and age groups. We study immune remodeling during aging, as well as the transcriptional and epigenomic impacts of infectious diseases and vaccinations. Through close collaborations with clinical partners, including the UConn Center on Aging, we lead longitudinal cohort studies in older adults and children to identify biomarkers of immune resilience, vaccine responsiveness, and infection severity.

Our work is supported by federal (NIH) and foundation (Hevolution, CZI) funding and has yielded foundational insights into human immune variation, including sex-specific and age-associated immune trajectories. We are particularly interested in translating these findings into precision vaccination strategies tailored to vulnerable populations, including infants and older adults.

PENDING GRANTS

1R01AI198970-01, NIH/NIA 04/2026 - 03/2031

Ucar (**Contact PI**), Josefowitz (MPI), Total: \$4,562,643

Trained immunity signatures of reduced vaccine responses in older adults

1R01AI202771-01, NIH/NIAID 07/2026 - 06/2031

Ucar (**Contact PI**), Paust (MPI), Total: \$4,600,000

Defining Natural Killer - T helper cell Crosstalk in Age-Associated Impairment of Vaccine Responses

ACTIVE GRANTS

HF-GRO-23-199240-4, Hevolution Foundation 03/2024 - 02/2028

Ucar (**Contact PI**), Josefowitz (MPI), Total: \$1,828,111

Hematopoietic epigenetic memory as a driver of inflamming

U01 AI141919-06, NIH 12/2023 - 11/2028

Ucar (**Co-I**), Weinberg (PI), Total: \$2,455,260

Persistence of immune responses to the recombinant zoster vaccine in immune compromised hosts with end-stage renal disease with and without kidney transplantation

U01 AI165452-02, NIH/NIAID 01/2022 - 12/2026

Ucar (**Contact PI**), Kuchel (MPI), Garcia-Sastre (MPI), Total: \$9,046,625.00

A deep longitudinal analysis of next generation influenza vaccines in older adults

P50 AR070594-06, NIH/NIAMS 08/2022 - 05/2027

Ucar (**Co-Director, Co-PI**), Pascual (PI, Director), Total: \$225,440.00

Center for Lupus Research – Administrative Core

P50 AR070594-06, NIH/NIAMS	08/2022 - 05/2027
Ucar (Co-Director, Co-PI), Pascual (PI, Director), Total: \$728,845.00 <i>Center for Lupus Research - Center for Lupus Research - Project 2</i>	
U19 AI168632, NIH/NIAID	03/2022 - 02/2027
Ucar (Co-I), Ramillo (PI), Total: \$707,082.00 <i>Early life respiratory viral infections shape immune development trajectories – Project 2</i>	
P30 AG067988-03, NIH/NIA	08/2021 - 06/2026
Ucar (Co-I), Kuchel (PI), Total: \$888,086.00 <i>Claude D. Pepper Older Americans Independence Centers</i>	
U54 AG075941, NIH/NIA	09/2021 - 08/2026
Ucar (Core Co-Leader), Kuchel (Contact PI), Total: \$301,037.00 <i>The KAPP-Sen Tissue Mapping Center Collaboratory - The KAPP-Sen Tissue Mapping Center Collaboratory – Admin Core</i>	
U54 AG075941, NIH/NIA	09/2021 - 08/2026
Ucar (Data Analysis Core Co-Leader), Kuchel (Contact PI), Total: \$1,871,316.00 <i>The KAPP-Sen Tissue Mapping Center Collaboratory - The KAPP-Sen Tissue Mapping Center Collaboratory - Data Analysis Core</i>	
JAX Director’s Innovation Fund	04/2024 - 10/2026
Ucar (Contact PI), Bolcun-Filas (MPI), Courtois (MPI), Total: \$265,000 Ovary aging atlas in founder strains with distinct lifespan/healthspan profiles	

PREPRINTS

* denotes co-corresponding authors

+ denotes co-first authors

1. Djamel Nehar-Belaid*, Asa Thibodeau, Alper Eroglu, Radu Marches, Giray Eryilmaz, Derya Unutmaz, Chris P Verschoor, Jinghua Gu, Uthra Balaji, Asunción Mejías, Virginia Pascual, George A Kuchel, Octavio Ramilo, Jacques F Banchereau, Duygu Ucar*. Single-cell map of the healthy human immune system across the lifespan reveals unique infant immune signatures. (under revision at **Nature Communications**).
2. Titas Grabauskas, Chris P Verschoor, Luke Trinity, Radu Marches, Asa Thibodeau, Djamel Nehar-Belaid, Giray Eryilmaz, Emilie Picard, Chia-Ling Kuo, Kenneth E Schmader, Cathleen Colon-Emeric, Heather E Whitson, Silke Paust, Adolfo García-Sastre, Jacques Banchereau*, George A Kuchel*, Duygu Ucar*. CMV-specific clonal expansion of Th1, GZMK* CD8*, and TEMRA T cells revealed by human PBMC single cell profiling. (under revision at **Genome Biology**)
3. Khushdeep Bandesh, Efthymios Motakis, Siddhi Nargund, Romy Kursawe, Vijay Selvam, Redwan M Bhuiyan, Giray Naim Eryilmaz, Sai Nivedita Krishnan, Cassandra N Spracklen, **Duygu Ucar**, Michael L Stitzel. Single-cell decoding of human islet cell type-specific alterations in type 2 diabetes reveals converging genetic-and state-driven β -cell gene expression defects. (in press at **EMBO journal**).

ARTICLES

*denotes co-corresponding authors

+ denotes co-first authors

1. Asa Thibodeau+, Asuncion Mejias+, Djamel Nehar-Belaid, Radu Marches, Zhaohui Xu, Giray Eryilmaz, Steven Z. Josefowicz, Silke Paust, Virginia Pascual, Jacques Banchereau*, Octavio Ramilo*, **Duygu Ucar***. A systems immunology approach reveals divergent immune profiles of RSV and SARS-CoV-2 infections in infants. **Science Translational Medicine**. 2026 Feb 25;18(838):eaea7097. PMID: 41739901
2. Giray Naim Eryilmaz+, Yilmaz Yucehan Yazici+, Radu Marches, Eleni P Mimitou, Lisa Kenyon-Pesce, Kim Handrjek, Sonia Jangra, Michael Schotsaert, Adolfo García-Sastre, George A Kuchel*, Jacques Banchereau*, **Duygu Ucar***. Dose-dependent interferon programs in myeloid cells after mRNA and adenovirus COVID-19 vaccination. **JCI Insight**. 2026 Feb 23;11(4):e199245. PMID: 41729080

3. Michael J. Johnson, Megan Crotteau, Debashis Ghosh, Thao Vu, Luke Trinity, Radu Marches, **Duygu Ucar**, Myron J. Levin, Adriana Weinberg. The recombinant zoster vaccine induces trained immunity in monocytes through persistent downregulation of TGF β . **PLOS Pathogens**. 2025 Dec 5;21(12):e1013759. PMID: 41348857.
4. Djamel Nehar-Belaid, Asuncion Mejias, Zhaohui Xu, Radu Marches, Rushil Yerrabelli, Guo Chen, Sara Mertz, Fang Ye, Pablo Sanchez, Teresa Aydillo, Lisa Miorin, Adolfo Garcia-Sastre, **Duygu Ucar**, Jacques Banchereau, Virginia Pascual, Octavio Ramilo. Immune perturbations induced by SARS-CoV2 in infants vary with disease severity and differ from adults' responses. **Nature Communications**. 2025 May 16;16(1):4562. PMID: 40379618
5. Brittany L Angarola, Siddhartha Sharma, Neerja Katiyar, Hyeon Gu Kang, Djamel Nehar-Belaid, SungHee Park, Rachel Gott, Giray N Eryilmaz, Mark A LaBarge, Karolina Palucka, Jeffrey H Chuang, Ron Korstanje, **Duygu Ucar***, Olga Anczukow*. Comprehensive single cell aging atlas of mammary tissues reveals shared epigenomic and transcriptomic signatures of aging and cancer. **Nature Aging**. 2025. PMID: 39587369
6. Eishani Kumar Sokolowski, Romy Kursawe, Vijay Selvam, Redwan Bhuiyan, Asa Thibodeau, Chi Zhao, Cassandra Spracklen, **Duygu Ucar***, Michael L. Stitzel*. Comparative Multi-omic Mapping of Human Pancreatic Islet Endoplasmic Reticulum and Cytokine Stress Responses Provide Insights into Type 2 Diabetes Genetics. **Cell Metabolism**. 2024; 36, 1–21. PMID: 39383866 (**Article, Co-senior**).
7. Sathyabaarathi Ravichandran[†], Fernando Erra-Diaz[†], Emin Onur Karakaslar[†], Radu Marches, Lisa Kenyon-Pesce, Robert Rossi, Damien Chaussabel, Djamel Nehar-Belaid, David C. LaFon, Virginia Pascual, Karolina Palucka, Silke Paust, Moon H Nahm, George A Kuchel, Jacques Banchereau, **Duygu Ucar**. Distinct baseline immune characteristics associated with responses to conjugated and unconjugated pneumococcal polysaccharide vaccines in older adults. **Nature Immunology**. 2024;25(2):316-29. PMID: 38182669 (**Article**) (**Senior**)
8. Jin-Gyu Cheong, Arjun Ravishankar, Siddhartha Sharma, Christopher N Parkhurst, Simon A Grassmann, Claire K Wingert, Paoline Laurent, Sai Ma, Lucinda Paddock, Isabella C Miranda, Emin Onur Karakaslar, Djamel Nehar-Belaid, Asa Thibodeau, Michael J Bale, Vinay K Kartha, Jim K Yee, Minh Y Mays, Chenyang Jiang, Andrew W Daman, Alexia Martinez de Paz, Dughan Ahimovic, Victor Ramos, Alexander Lercher, Erik Nielsen, Sergio Alvarez-Mulett, Ling Zheng, Andrew Earl, Alisha Yallowitz, Lexi Robbins, Elyse LaFond, Karissa L Weidman, Sabrina Racine-Brzostek, He S Yang, David R Price, Louise Leyre, André F Rendeiro, Hiranmayi Ravichandran, Junbum Kim, Alain C Borczuk, Charles M Rice, R Brad Jones, Edward J Schenck, Robert J Kaner, Amy Chadburn, Zhen Zhao, Virginia Pascual, Olivier Elemento, Robert E Schwartz, Jason D Buenrostro, Rachel E Niec, Franck J Barrat, Lindsay Lief, Joseph C Sun, **Duygu Ucar***, Steven Z Josefowicz*. Epigenetic memory of COVID-19 in innate immune cells and their progenitors. **Cell**. 2023 186(18). 3882-3902. PMID: 37597510 (**Article**) (**Co-Senior**)
9. Emin Onur Karakaslar[†], Neerja Katiyar[†], Muneer Hasham, Ahrim Youn, Siddhartha Sharma, Cheng-han Chung, Radu Marches, Ron Korstanje, Jacques Banchereau, **Duygu Ucar**. Transcriptional activation of Jun and Fos members of the AP-1 complex is a conserved signature of immune aging that contributes to inflammaging. **Aging Cell**. February 2023; e13792. (**Article**) (**Senior**)
10. Fernando Erra Diaz, Ignacio Mazzitelli, Lucía Bleichmar, Claudia Melucci, Asa Thibodeau, Tomás Dalotto Moreno, Radu Marches, Gabriel A. Rabinovich, **Duygu Ucar***, Jorge Geffner*. Concomitant inhibition of PPAR γ and mTORC1 induce the differentiation of human monocytes into highly immunogenic dendritic cells. **Cell Reports**. February 2023; 42(3) 4-112156. (**Article**) (**Co-Senior**)
11. Asa Thibodeau, Shubham Khetan, Alper Eroglu, Ryan Tewhey, Michael L Stitzel, **Duygu Ucar**. CoRE-ATAC: A Deep Learning model for the functional Classification of Regulatory Elements from single cell and bulk ATAC-seq data. **PLOS Computational Biology**. December 2021; 17 (12). e1009670. (**Article**) (**Senior**)
12. Asa Thibodeau[†], Alper Eroglu[†], Christopher S McGinnis, Nathan Lawlor, Djamel Nehar-Belaid, Romy Kursawe, Radu Marches, Daniel N Conrad, George A Kuchel, Zev J Gartner, Jacques Banchereau, Michael L Stitzel, A Ercument Cicek, **Duygu Ucar**. AMULET: a novel read count-based method for effective multiplet detection from single nucleus ATAC-seq data. **Genome Biology**. December 2021. 22:252. (**Article**) (**Senior**)
13. Shubham Khetan, Susan Kales, Romy Kursawe, Alexandria Jillette, Jacob C Ulirsch, Steven K Reilly, **Duygu Ucar**, Ryan Tewhey, Michael L Stitzel. Functional characterization of T2D-associated SNP effects on baseline and ER stress-responsive β cell transcriptional activation. September 2021. **Nature Communications**. 12(1). 5242. (**Article**)

14. Nathan T Lawlor, Djamel Nehar-Belaid, Jessica Grassmann, Marlon Stoeckius, Peter Smibert, Michael L Stitzel, Virginia Pascual, Jacques Banchereau*, Adam Williams*, **Duygu Ucar***. Single Cell Analysis of Blood Mononuclear Cells Stimulated Through Either LPS or Anti-CD3 and Anti-CD28. **Frontiers in Immunology**, March 2021. 12, 636720. **(Article) (Co-Senior)**
15. D Gilroy, B Pereira, R De Maeyer, D Nehar-Belaid, A Lanna, S Ward, R Marches, E CHAMBERS, D Gomes, N Riddell, M Maini, V Teixeira, S Janes, A Larbi, N Mabbott, **Duygu Ucar**, G Kuchel, S Henson, J Strid, J Lee, J Banchereau, A Akbar. Sestrins Induce Natural Killer Function In Senescent-like CD8+ T Cells. **Nature Immunology**. March 2020. 21 (6), 684-694. **(Article)**.
16. Nathan Lawlor, Eladio J. Marquez, Donghyung Lee, and **Duygu Ucar**. V-SVA: an R Shiny application for detecting and annotating hidden sources of variation in single cell RNA-seq data. **Bioinformatics**. March 2020, 36, 3582-3584. **(Article) (Senior)**
17. Eladio J. Marquez, Djamel Nehar-belaid, Cheng-han Chung, Radu Marches, Robert Rossi, Karolina Palucka, Virginia Pascual, George A Kuchel*, Jacques Banchereau*, **Duygu Ucar***. Sexual dimorphism in human immune system aging. **Nature Communications**. February 2020. 11 (751), 1-17. **(Article) (Co-Senior)**.
18. Arushi Varshney, Hadley VanRenterghem, Peter Orchard, Alan P. Boyle, Michael S. Stitzel, **Duygu Ucar**, Stephen C. J. Parker. (2019) Cell specificity of human regulatory annotations and their genetic effects on gene expression. **Genetics**. February 1, 2019; 211-2, 549-562. **(Article)**.
19. Nathan Lawlor, Eladio J. M´arquez, Peter Orchard, Narisu Narisu, Muhammad Saad Shamim, Asa Thibodeau, Arushi Varshney, Romy Kursawe, Michael R. Erdos, Matt Kanke, Huiya Gu, Evgenia Pak, Amalia Dutra, Sheikh Russel, Xingwang Li, Emaly Piecuch, Oscar Luo, Peter S. Chines, Christian Fuchsbserger, Praveen Sethupathy, Aviva Presser Aiden, Yijun Ruan, Erez Lieberman Aiden, Francis S. Collins, **Duygu Ucar**, Stephen C.J. Parker, and Michael L. Stitzel. Multiomic profiling identifies cis-regulatory networks underlying human pancreatic cell identity and function. **Cell Reports**. 2019. 26, 788–801. **(Article)**
20. Simone Caielli, Diogo Troggian Veiga, Preetha Balasubramanian, Shruti Athale, Bojana Domic, Elise Murat, Romain Banchereau, Zhaohui Xu, Manjari Chandra, Cheng-Han Chung, Lynnette Walters, Jeanine Baisch, Tracey Wright, Marilyn Punaro, Lorien Nassi, Katie Stewart, Julie Fuller, **Duygu Ucar**, Hideki Ueno, Joseph Zhou, Jacques Banchereau*, Virginia Pascual*. A CD4+ T cell population expanded in SLE blood provides B cell help through IL10 and succinate. **Nature Medicine**. 2019, 25 (1), 75-81. **(Article)**.
21. Ahrim Youn, Eladio J. Marquez, Nathan Lawlor, Michael L. Stitzel, **Duygu Ucar**. BiFET: sequencing Bias-free transcription factor Footprint Enrichment Test. **Nucleic Acids Research**. January 2019, Vol. 47, No. 2 e11. **(Article) (Senior)**.
22. Donghyung Lee*, Anthony Cheng, Nathan Lawlor, Mohan Bolisetty, **Duygu Ucar***. A statistical framework for the robust detection of hidden variation in single cell transcriptomes. **Scientific Reports**, 2018. 8 (1), 17040. **(Article) (Senior)**.
23. Asa Thibodeau+, Asli Uyar+, Shubham Khetan, Michael Stitzel, **Duygu Ucar**. A neural network based model effectively predicts enhancers from clinical ATAC-seq samples. **Scientific Reports**, 2018. 8: 16048. **(Article) (Senior)**.
24. Shubham Khetan, Romy Kursawe, Ahrim Youn, Nathan Lawlor, Eladio J Marquez, **Duygu Ucar***, and Michael L. Stitzel*. Type 2 Diabetes-Associated Genetic Variants Regulate Chromatin Accessibility in Human Islets. **Diabetes**, 2018. 67(11):2466-2477. **(Article) (Co-Senior)**.
25. Ina Kycia, Brooke N. Wolford, Jeroen Huyghe, Christian Fuchsberger, Swarooparani Vadlamudi, Romy Kursawe, Asli Uyar, Shubham Khetan, Mohan Bolisetty, Anubhuti Mathur, Johanna Kuu- sisto, Markku Laakso, **Duygu Ucar**, Karen L. Mohlke, Michael Boehnke, Francis S. Collins, Stephen Parker, and Michael L. Stitzel. A common functional variant in a type 2 diabetes locus potentiates activity of an evolutionarily conserved islet stretch enhancer and C2CD4A/B expression. **The American Journal of Human Genetics (AJHG)**, 2018. 102 (4), 620-635. **(Article)**
26. Zeeshan Ahmed*, **Duygu Ucar*** I-ATAC: interactive pipeline for the management and pre-processing of ATAC-seq samples **PeerJ**, 2017. 5, e4040. **(Article) (Co-Senior)**.
27. Asa Thibodeau, Eladio J. Marquez, Dong-Guk Shin, Paola Vera-Licona*, **Duygu Ucar***. Chromatin interaction networks revealed unique connectivity patterns of broad H3K4me3 domains and super enhancers in 3D chromatin **Scientific Reports**.

2017. 7 (1), 14466. **(Article) (Co-Senior)**.

28. **Duygu Ucar**⁺, Eladio J. Marquez⁺, Cheng-han Chung⁺, Radu Marches, Robert Rossi, Asli Uyar, Te-Chia Wu, Joshy George, Michael Stitzel, Karolina Palucka, George A Kuchel^{*}, and Jacques Banchereau^{*}. The chromatin accessibility signature of aging in human blood leukocytes stems from CD8⁺ T cells. **The Journal of Experimental Medicine (JEM)**. 2017. 214 (10), 3123-3144. **(Article) (Co-Senior)**.
29. Nathan Lawlor⁺, Ahrim Youn⁺, Kursawe Romy, **Duygu Ucar**^{*}, Michael L. Stitzel^{*}. Alpha TC1 and Beta-TC-6 genomic profiling uncovers both shared and distinct transcriptional regulatory features with their primary islet counterparts **Scientific Reports**, 2017. 7 (1), 11959. **(Article) (Co-Senior)**.
30. Esra Kurum, Berenice A. Benayoun, Ankit Malhotra, Joshy George, and **Duygu Ucar**. Computational inference of a genomic pluripotency signature in human and mouse stem cells **Biology Direct**. 2016. 11(1) 47. **(Article) (Senior)**.
31. Asa Thibodeau, Eladio Marquez, Oscar Luo, Yijun Ruan, Francesca Menghi, Dong-Guk Shin, Michael L. Stitzel, Paola Vera-Licona, **Duygu Ucar**. (2016) QuIN: A web server for Querying and visualizing Chromatin Interaction Networks. **PLOS Computational Biology**, 2016. 12(6): p. e1004809.PMCID: 4919057. **(Article) (Senior)**.
32. Joshy George, Asli Uyar, Kira Young, Lauren Kuffler, Kaiden Waldron-Francis, Eladio Marquez, **Duygu Ucar**, Jennifer Trowbridge. Leukaemia cell of origin identified by chromatin landscape of bulk tumour cells. **Nature Communications**. 2016. 7(12166). **(Article)**.
33. Francesca Menghi, Koichiro Inaki, Xing Yi Woob, Pooja Kumara, Krzysztof Grzedaa, Ankit Malhotra, Hyunsoo Kima, **Duygu Ucar**, Phung Trang Shreckengast, Joel P. Wagner, Jeff Chuang, and Edison T. Liu. The tandem duplicator phenotype in cancer genomes. **PNAS**, 2016. 26;113(17):E2373- 82. **(Article)**.
34. Julian Zubek, Michael Stitzel, **Duygu Ucar**^{*}, and Dariusz Plewczynski^{*}. Computational inference of H3K4me3 and H3K27ac domain length. **PeerJ**, 2016 Mar 14;4:e1750. doi: 10.7717/peerj.1750. **(Article) (Co-Senior)**.
35. **Duygu Ucar** and Douglas Lin. Amplification of the bromodomain-containing protein 4 gene in ovarian high-grade serous carcinoma is associated with worse prognosis and survival. **Molecular and Clinical Oncology**, 2015 Nov;3(6):1291-1294. **(Article)**.
36. Rakhi Gupta, Andrea Wills, **Duygu Ucar**, Julie Baker. Developmental enhancers are marked independently of zygotic Nodal signals in *Xenopus* **Developmental Biology**, 2014. 395(1):38-49. **(Article)**.
37. Berenice A. Benayoun⁺, Elizabeth A. Pollina⁺, **Duygu Ucar**⁺, Edith D. Wong, Elena Mancini, Salah Mahmoudi, Benjamin C. Hitz, Keerthana Devarajan, Rakhi Gupta, Thomas A. Rando, Julie C. Baker, Michael P. Snyder, J. Michael Cherry, and Anne Brunet H3K4me3 breadth is linked to cell identity and transcriptional consistency. **Cell**, 2014. 158(3):673-688. **(Article)**.
38. Ashley E. Webb, Elizabeth A. Pollina, Thomas Vierbuchen, Noelia Urban, **Duygu Ucar**, Dena S. Leeman, Ben Martynoga, Madhavi Sewak, Thomas A. Rando, Francois Guillemot, Marius Wernig and Anne Brunet (2013) FOXO3 shares common targets with ASCL1 genome-wide and inhibits ASCL1-dependent neurogenesis. **Cell Reports**, 2013. 4(3):477-491. **(Article)**.
39. Victoria A Rafalski, PP Ho, Jamie O Brett, **Duygu Ucar**, JC Dugas, Elizabeth A. Pollina, LM Chow, A Ibrahim, SJ Baker, BA Barres, L Steinman, and Anne Brunet. Expansion of oligodendrocyte progenitor cells following SIRT1 inactivation in the adult brain. **Nature Cell Biology**, 2013. 15(6):614-24. **(Article)**.
40. Dervis A.M. Salih, Asim J. Rashid, Damien Colas, Luis de la Torre-Ubieta, Ruo P. Zhu, Alexander A. Morgan, Evan E. Santo, **Duygu Ucar**, Keerthana Devarajan, Christina J. Cole, Daniel V. Madison, Mehrdad Shamloo, Atul J. Butte, Azad Bonni, Sheena A. Josselyn, Anne Brunet. FoxO6 regulates memory consolidation and synaptic function **Genes Development**, 2012. 26(24): 2780-2801. **(Article)**.
41. Eric L. Greer, Travis J. Maures, **Duygu Ucar**, Anna G. Hauswirth, Elena Mancini, Jana P. Lim, Berenice Benayoun, Yang Shi, and Anne Brunet Transgenerational Epigenetic Inheritance of Longevity in *C. elegans*. **Nature**, 2011. 479(7373): 365-371. **(Article)**.
42. **Duygu Ucar**, Qingyang Hu, and Kai Tan. Combinatorial chromatin modification patterns in the human genome revealed by

subspace clustering. **Nucleic Acids Research**, 2011. 39(10):4063-4075. **(Article)**.

43. Hiram Firpi, **Duygu Ucar**, and Kai Tan. Discovering Regulatory DNA Elements Using Chromatin Signatures and Artificial Neural Network **Bioinformatics**, 2010. 26(13):1579-1586. **(Article)**.
44. Sitaram Asur, Srinivasan Parthasarathy, and **Duygu Ucar**. An Event-based Framework for Characterizing the Evolutionary Behavior of Interaction Graphs. **ACM Transactions on Knowledge Discovery from Data (TKDD)**, 2009. 3(4). **(Article)**.
45. **Duygu Ucar**, Andreas Beyer, Srinivasan Parthasarathy, and Christopher T. Workman Pre- dicting functionality of protein-DNA interactions by integrating diverse evidence. **Bioinformatics (ISMB 2009 Proceedings)**, 25(12): 137-144. **(Article)**.
46. **Duygu Ucar**, Isaac Neuhaus, Petra Ross-MacDonald, Charles Tilford, Srinivasan Parthasarathy, Nathan Siemers, and Rui-Ru Ji. Construction of a Reference Gene Association Network from Multiple Profiling Data: Application to HIV Data Analysis. **Bioinformatics**, 2007. 23(20): 2716-2724. **(Article)**.
47. Sitaram Asur, **Duygu Ucar**, and Srinivasan Parthasarathy. An Ensemble Framework for Clustering Protein-Protein Interaction Networks. **Bioinformatics (ISMB 2007 Proceedings)**, 23(13): 29-40. **(Article)**.
48. Hui Yang, Srinivasan Parthasarathy, and **Duygu Ucar**. A spatio-temporal mining approach towards summarizing and analyzing protein folding trajectories. **Algorithms for Molecular Biology**, 2007. 2:3. **(Article)**.

CONFERENCE AND WORKSHOP ARTICLES

Full papers appeared in conferences/workshops after thorough referee evaluation. Considered equivalent to journal publications within the Computer Science community as well as by NSF guidelines ISMB conference publish accepted articles directly in special Bioinformatics journal after thorough peer review. These articles are indicated with a †. Corresponding journal publication information is listed under 'Peer-Reviewed Journal Articles'.

1. Venu Satuluri, Srinivasan Parthasarathy, and **Duygu Ucar** (2010) Markov Clustering of Protein In- teraction Networks with Improved Balance and Scalability. ACM Int'l Conference on Bioinformatics and Computational Biology, **ACM-BCB**. (Acceptance Rate = 28%).
2. **Duygu Ucar**, Andreas Beyer, Srinivasan Parthasarathy, and Christopher T. Workman (2009) Pre- dicting Functionality of Protein-DNA Interactions by Integrating Diverse Evidence. The 17th Int'l Conference on Intelligent Systems for Molecular Biology, **ISMB** (Acceptance Rate = 18%)†.
3. **Duygu Ucar**, Fatih Altiparmak, Hakan Ferhatosmanoglu, and Srinivasan Parthasarathy (2007) Investigating the use of Extrinsic Similarity Measures for Microarray Analysis. 6th Int'l Workshop on Data Mining in Bioinformatics **BioKDD** held at 13th ACM Int'l Conference on Knowledge Discovery and Data Mining, **SIGKDD**, (Acceptance Rate = 24%).
4. Sitaram Asur, **Duygu Ucar**, and Srinivasan Parthasarathy (2007) An Ensemble Framework for Clustering Protein-Protein Interaction Networks. The 15th Int'l Conference on Intelligent Systems for Molecular Biology, **ISMB**, (Acceptance Rate: 15%)†.
5. Sitaram Asur, Srinivasan Parthasarathy, and **Duygu Ucar** (2007) An Event-based Framework for Characterizing the Evolutionary Behavior of Interaction Graphs. The 13th Int'l Conference on Knowledge Discovery and Data Mining, **SIGKDD**, **Best Applications Paper Award**, (Acceptance Rate = 20%).
6. **Duygu Ucar**, Sitaram Asur, Umit Catalyurek, and Srinivasan Parthasarathy (2006) Functional Modularity in Protein-Protein Interactions Graphs Using Hub-induced Subgraphs. The 17th European Conference on Principles and Practice of Knowledge Discovery in Databases, **PKDD**, (Acceptance Rate= 9%).
7. Sitaram Asur, Srinivasan Parthasarathy, and **Duygu Ucar** (2006) An Ensemble Approach for Clustering Scale-Free Graphs. The **LinkKDD** workshop - 12th ACM Int'l Conference on Knowledge Discovery and Data Mining **SIGKDD**, (Acceptance Rate = 33%).
8. Hui Yang, Srinivasan Parthasarathy, and **Duygu Ucar** (2006) Protein Folding Trajectories Analysis: Summarization, Folding Events Detection and Common Partial Folding Pathway Identification. 5th Int'l Workshop on Data Mining in Bioinformatics

BioKDD held at 12th ACM International Conference on Knowledge Discovery and Data Mining SIGKDD, (Acceptance Rate = 24%).

9. **Duygu Ucar**, Srinivasan Parthasarathy, Sitaram Asur and Chao Wang (2005) Effective Pre- processing Strategies for Functional Clustering of a Protein-Protein Interactions Network. The 5th IEEE Symposium on Bioinformatics and Bioengineering, **BIBE**, (Acceptance Rate = 18%).

INVITED BOOK CHAPTERS

10. **Duygu Ucar***, Benayoun A Berenice*. (2018) Aging Epigenetics: Changes and Challenges **Epigenetics of Aging and Longevity**, 3-32.
11. Srinivasan Parthasarathy, Shirish Tatikonda, and **Duygu Ucar** (2009) A Survey of Graph Mining Techniques for Biological Datasets, **Managing and Mining Graph Data** 547:580.

REVIEWS

**denotes co-corresponding authors*

+ denotes co-first authors

12. Steve Yanicke and **Duygu Ucar**. Sex differences in immune system aging and responsiveness to vaccination. **Public Policy & Aging Report. The Gerontological Society of America**. 2023;33(4):125-7. PMID: 38155932. **(Review, Policy piece) (Senior)**
13. Djamel Nehar-Belaid, Mark Sokolowski, Sathyabaarathi Ravichandran, Jacques Banchereau, Damien Chaussabel, **Duygu Ucar**. Baseline immune states (BIS) associated with vaccine responsiveness and factors that shape the BIS. **Seminars in Immunology**. 2023. Sep 15:70:101842. PMID: 37717525 **(Review) (Senior)**.
14. Olga Anczuków, Susie Airhart, Jeffrey H Chuang, Lisa M Coussens, George A Kuchel, Ron Korstanje, Sheng Li, Anna Lisa Lucido, Sandra S McAllister, Katerina Politi, Kornelia Polyak, Timothy Ratliff, Gary Ren, Jennifer J Trowbridge, **Duygu Ucar**, Karolina Palucka. **Cancer Cell**. March 2023. **(Review)**.
15. Alan Landay, Jenna M Bartley, Dishary Banerjee, Geneva Hargis, Laura Haynes, Ali Keshavarzian, Chia-Ling Kuo, Oh Sung Kwon, Sheng Li, Shuzhao Li, Julia Oh, Ibrahim Tarik Ozbolat, **Duygu Ucar**, Ming Xu, Xudong Yao, Derya Unutmaz, George A Kuchel. Network topology of biological aging and Geroscience-guided approaches to COVID-19. **Frontiers in Aging**. July 2021. 2. 695218. **(Review)**.
16. Eladio J. Marquez, Jennifer Trowbridge, George Kuchel, Jacques Banchereau, **Duygu Ucar**. The lethal sex gap: COVID-19. **Immunity & Ageing**. May 2020. 17 (1), 1-8. **(Review) (Senior)**.
17. **Duygu Ucar***, Berenice A Benayoun*. (2018) Aging Epigenetics: Changes and Challenges **Epigenetics of Aging and Longevity**, 3-32. **(Review) (Co-Senior)**.
18. Lawlor Nathan, Khetan S, **Duygu Ucar**, Michael L. Stitzel. (2017) Genomics of Islet (Dys)function and Type 2 Diabetes. **Trends in Genetics**, 2017 Apr;33(4):244-255. **Trends in Genetics**, 33 (4), 244-255. **(Review)**.
19. Michael L. Stitzel, Ina Kycia, Romy Kursawe, and **Duygu Ucar** (2015). Transcriptional regulation of the pancreatic islet: implications for islet function. **Current Diabetes Reports**, 2015 Sep;15(9):66. **(Review)**.
20. Dashzeveg Bayarsaihan and **Duygu Ucar** (2015). Cell-specific gene promoters are marked by broader spans of H3K4me3 and are associated with robust gene expression patterns. **Epigenomics** Editorial article, 2015;7(2):129-31. **(Review)**.

PAST GRANTS (Last 5 years)

R01 AI142086-05, NIH/NIAID

02/2019 - 12/2025

Ucar (PI), Total: \$2,865,656.00

High-resolution single cell profiling of vaccine responsiveness in the elderly

R01 DK118011-03, NIH/NIDDK

12/2020 - 11/2024

Ucar (Co-I), Stitzel (PI), Total: \$3,155,285.00

Genetic programming of human islet metabolic and endoplasmic reticulum (ER) stress responses in diabetes

R13 AG069519-03, NIH/NIA Ucar (PI), Total: \$103,140.00 <i>Systems Immunology in Aging and Chronic Diseases of Aging</i>	08/2020 - 07/2024
UH3 AG056925, NIH Ucar (Co-I), Colon-Emeric (PI), Total: \$339,339 <i>Physical Resilience: Indicators and Mechanisms in the Elderly</i>	09/2017 - 08/2023
U01 AI131386, NIH/NIAID Ucar (Co-I), Banchereau, Ramilo (PI), Total: \$1,599,065 <i>High Precision System Analysis of Infant Immune Responses</i>	08/2017 - 07/2022
R35 GM124922, NIH Ucar (PI), Total: \$2,345,050.00 <i>Identification and Interpretation of Chromatin Changes Associated with the Aging of Human Cells</i>	08/2017 - 04/2022
U01 AI124297, NIH Ucar (Co-I), Banchereau (PI), Total: \$3,177,983 <i>Persistence of immune responses to the recombinant zoster vaccine in immune compromised hosts with end-stage renal disease with and without kidney transplantation</i>	04/2016 - 03/2021
W81XWH-18-1-0402, DOD Ucar (PI), Total: \$849,888.00 <i>Dissecting the Heterogeneity of Human Islet Stress Responses in Type 2 Diabetes</i>	09/2018 - 12/2021
R13 AG064968-01A Ucar (PI), Total: \$38,566 <i>Systems Biology of Aging: Data-science meets Gero-science</i>	08/2019 - 07/2021
P50 AR070594, NIH/NIAMS Ucar (Co-I), Pascual (PI), Banchereau (Project Lead), Total: \$3,213,000 <i>The Isoform repertoire and epigenome of Pediatric SLE</i>	09/2016 - 08/2021
U01 AI124297, NIH/NIAID Ucar (Co-I), Banchereau (PI), Total: \$3,296,717 <i>Combination Adjuvants to Activate Human Dendritic Cell Subsets and B Cells</i>	04/2016 - 03/2021
R01 AG052608, NIH/NIA Ucar (Co-I), Banchereau (PI), Total: \$2,695,398 <i>Genomics and Epigenomics of the Elderly Response to Pneumococcal Vaccines</i>	09/2016 - 04/2020
CZI 2018-182753, Chan Zuckerberg Initiative Ucar (PI), Total: \$250,000.00 Single cell RNA-Seq analysis of immune activation using iteratively adjusted surrogate variable analysis	04/2018 - 03/2019

AWARDS and HONORS

2017	Butler-Williams scholarship, NIA
2009	NSF Computing Innovation Postdoctoral Fellowship
2009	Travel Award International Society for Computational Biology conference ISMB
2009	Travel Award SIAM Data Mining Conference SDM
2007	Best Applications Paper, ACM Knowledge Discovery and Data mining conference(Sig-KDD)
2007	Travel Award Institute for Pure and Applied Mathematics (IPAM) workshop
2005	Travel award - Mathematical Biosciences Institute
1998-2003	Dean's Honors, Bilkent University, Turkey
1998-2003	Full scholarship, Bilkent University, Turkey

INTERNAL SERVICE:

2019-current Organizer for Systems Immunology conference funded by NIA R13 grants
 2018-2023 JAX Training Committee
 2016, 2020 JAX faculty retreat organizing committee
 2015-2017 Faculty advisor for CS/IT
 2014-2016 SAC faculty member
 2013-current Faculty and staff interviews for JGM hires across all departments
 2016-current Lecturer, UCHC Aging Course

OTHER SERVICE

2023-current Scientific Advisory Board member, Leibniz Institute of Aging, Jena, Germany
 2015-current National Institute of Health panel member (Adhoc, typically 2-3 panels a year)
 2010-2011 National Science Foundation Panel Member: 3 panels within the CISE (Computer & Information Science & Engineering) and BIO (Biological Sciences) directorates
 2010-2018 Reviewer for Scientific Journals: Frontiers in Genetics, Genome Biology, Aging Cell, 2018 BMC Genomics, EJHG, Nature Communications, 2017 Aging Cell, 2016 / PLOS (Public Library of Science) Computational Biology, 2010, 2015 Nucleic Acids Research, 2014 / Bioinformatics, 2010, 2011 / BMC (Biomed Central) Bioinformatics, 2008, 2010 / Transactions on Knowledge and Data Engineering, 2010, 2011 BMC (Biomed Central) Genomics, 2010
 2010-2011 Reviewer for Scientific Conferences: SIGKDD (Special Interest Group on Knowledge Discovery and Data mining) 2011 SDM (SIAM International Conference on Data Mining) 2010 / BioKDD (International Workshop on Data Mining in Bioinformatics) 2011 BiCoB (Int'l Conf. on Bioinformatics and Computational Biology) 2010, 2011 BIBM (Int'l Conf. on Bioinformatics and Medicine) 2010, 2011 / ACM-BCB (Int'l Conf. on Bioinformatics and Computational Biology) 2010, 2011
 2010-2013 Program Committees: 2nd and 3rd Int'l Conf. on Bioinformatics and Computational Biology (BiCoB), 2010, 2011, 2012 2nd ACM Conf. on Bioinformatics and Computational Biology (ACM-BCB), 2011 / IEEE Int'l Conf. on Bioinformatics and Medicine (BIBM), 2010, 2011, 2012, 2013 17th ACM SigKDD Conf. on Knowledge Discovery and Data Mining (KDD), 2011 10th Int'l Workshop on Data Mining in Bioinformatics (Bio-KDD), 2011

MEETINGS ORGANIZED

2019-2024 Organizer - Systems Immunology meeting at JGM funded by NIA R13 grants. Attendance ~100-200 per year.
 Sept 2020 Bioinformatic exploration of Hematology Cohort Data Workshop. NIH SHINE. Organizing committee (Virtual).
 July 2020 ISMB Systems Immunology special session. Organized w/ Ferhat Ay (La Jolla). Attendance ~150 (Virtual)

INVITED AND SELECTED PRESENTATIONS

Sept. 2025 NIH Inflammaging Workshop. Bethesda, MD.
 Aug. 2025 Gordon Research Conference, Biology of Aging, Lucca, Italy.
 June 2025 FASEB Signal Transduction in the Immune System. Scottsdale, AZ.
 Feb. 2025 Forbeck Forum: Sex differences in etiology, epidemiology, and treatment of cancer, Denver, CO.
 Oct. 2024 Microbiology and Immunology, University of Rochester, Rochester, NY.
 Oct. 2024 Brunet Lab 20th Anniversary Symposium, Stanford, CA.
 Sept. 2024 FASEB Transcription, Chromatin and Epigenetics in Aging Meeting, Melbourne, FL.
 July 2024 Intelligent Systems for Molecular Biology, Systems Immunology workshop, Montreal, Canada.
 June 2024 Scientific Advisory Board Meeting, Leibniz Institute of Aging, Jena, Germany.
 June 2024 Systems Aging, Gordon Research Conference, Barcelona, Spain.
 May 2024 Artificial Intelligence in Immunology, NIAID, Rockville, MD.
 May 2024 Reproductive Aging, Fusion Conferences, Cancun, Mexico.
 Apr. 2024 Center for Public Health Genomics, University of Virginia, Charlottesville, VA.
 Mar. 2024 Biology of Aging Series, Columbia University, New York, NY.
 Feb. 2024 Yale Center for Systems and Engineering Immunology, New Haven, CT.
 Feb. 2024 Center for Evolution and Medicine, ASU, Tempe, AZ.
 Dec. 2023 Scientific Foundations of Translational Geroscience and Precision Gerontology Course, UConn (Virtual).
 Nov. 2023 Women in Bioinformatics, SCSU, New Haven, CT.
 Oct. 2023 9th Turkish Medical World Congress. Istanbul, Turkey.
 Oct. 2023 Keystone meeting - Immunity and Aging. Whistler BC.
 Sept. 2023 Systems immunology in aging. JGM. Farmington. CT.
 July 2023 NIAID. UO1 Progress meeting.
 June 2023 UO1 Donor Meeting, JGM. Farmington. CT
 May 2023 The American Society for Reproductive Immunology. Santa Fe.
 Feb. 2023 NIH NSC3 webinar. (Virtual)

Jan. 2023 Bilkent University. Ankara. Turkey.

Jan. 2023 Yale Biology of Aging Interest Group –Speaker (Virtual)

Nov. 2022 Gerontological Society of America (GSA). Indianapolis. IN.

Nov. 2022 JAX Cancer Center retreat. Portland. ME.

Nov. 2022 NIA. Workshop on Social Hallmarks of Aging. (Virtual)

Oct. 2022 UW-Madison BMI Seminar, Madison, WI

Oct. 2022 NIA Geroscience Workshop – Panelists (Virtual)

Oct. 2022 Children’s Hospital of Philadelphia. (Virtual)

July 2022 ISMB 2022 Computational Immunology – Speaker (Virtual)

May 2022 American Aging Association (AGE) 50th Annual meeting. San Antonio, TX.

Dec. 2020 Sex-dimorphism in human immune system aging. JAX Cancer Center retreat. (Virtual).

Nov. 2020 A count-based method to detect doublets from single nuclei ATAC-seq data. Single Cell Omics Germany (Virtual)

Oct. 2020 Sex-dimorphism in human immune system aging. School of Gerontology. USC (Virtual).

Oct. 2020 Sex-dimorphism in human immune system aging. JAX Faculty Retreat. (Virtual).

Sept. 2020 Sex-dimorphism in human immune system aging. Yale School of Medicine. Human and Translational Imm (Virtual).

Sept. 2020 Sex-dimorphism in human immune system aging. Systems Immunology in Aging. JAX (Virtual).

Sept. 2020 Single cell profiling of (in-vivo/in-vitro) activated blood mononuclear cells. NIH SHINE (Virtual).

Sept. 2020 DAISCO PO1 Reverse site visit. NIH NIA/NIAID

Aug. 2020 Sex-dimorphism in human immune system aging. JAX Cancer Course (Virtual).

July 2020 Sex-dimorphism in human immune system aging. ISMB Systems Immunology meeting (Virtual).

May 2020 Sexual dimorphism in human immune system aging. NIA workshop. Heterogeneity and the rate of aging. (Virtual)

Apr. 2020 Sexual dimorphism in human immune system aging. Aging Science slack channel (Virtual)

Mar. 2020 Sex-dimorphism in human immune system aging. La Jolla Institute.

Feb. 2020 Genomic data mining and integration to study immune system aging. NIA AI Webinar series (Virtual)

Jan. 2020 Systems Immunology to understand aging and aging-related diseases. Uconn Storrs CS department

Dec. 2019 Sex-dimorphism in human immune system aging. Max Planck Institute for Biology of Ageing, Cologne. Germany.

Dec. 2019 Sex-dimorphism in human immune system aging. University of Zurich.

Oct. 2019 Sex-dimorphism in human immune system aging. University of Michigan, Computational Bioinformatics department.

Sept. 2019 Sex-dimorphism in human immune system aging. Molecular Biology conference, Istanbul Turkey.

Nov. 2018 Sex-dimorphism in human immune system aging. Weill Cornell Medicine.

Nov. 2018 Sex-dimorphism in human immune system aging. University of Connecticut Health Center.

Sept. 2018 Nuclear Landscapes 2018 conference. Warsaw. Poland. September, 2018 (Could not attend due to time conflict).

Sept. 2018 Transcription, Chromatin, and Epigenetics meeting. Florence. Italy.

Aug. 2018 Jackson Laboratory, Cancer Course. Bar Harbor. Maine.

Aug. 2018 MDI Biological Laboratory, Aging Course. Bar Harbor. Maine.

Apr. 2018 Chan Zuckerberg grantee meeting. San Francisco, California.

Feb. 2018 Keystone meeting on Aging, Inflammation, and Immunity. Austin. Texas.

Dec. 2017 National Institute on Aging (NIA). Baltimore, MD.

Nov. 2017 RECOMB conference on Regulatory and Systems Genomics. New York City, NY.

July 2017 The 67th BSRA Annual Scientific Meeting, Omics of Aging. Exeter, UK.

May 2016 Keystone meeting on Epigenetic and Metabolic Regulation of Aging and Aging-Related Diseases. Santa Fe. NM.

Mar. 2016 Epigenetic remodeling of human immune system aging. Brown University. Providence, RI.

Mar. 2016 23rd International Molecular Medicine Tri-Conference, San Francisco, CA.

Nov. 2015 Epigenetic of Aging. University of Connecticut Health Center. Aging Center. Farmington, CT.

Nov. 2014 Search for an epigenetic cell identity signature. Seoul National University. Seoul, Korea.

Apr. 2014 An epigenetic biomarker for cell identity. Vanderbilt University Medical Center. Center for Human Genetics Research.

May 2012 Epigenetic Pattern Mining. Albert Einstein College of Medicine. Department of Systems and Computational Biology.

Mar. 2012 Epigenetic Pattern Mining. Jackson Laboratory.

June 2010 IBM Computational Biology Group, Yorktown Heights, NY.

June 2010 A Biclustering Algorithm to Explore Combinatorial Epigenetic Code. Harvard Medical School, Boston, MA.

May 2010 A Computational Model to Explore Combinatorial Epigenetic Code. Stanford Genetics Department, Palo Alto, CA.

Mar. 2010 The University of Iowa, Computer Science Department. Iowa City, Iowa.

July 2010 Technical University of Dresden, BIOTEC, Dresden, Germany.

June 2009 Battelle Center for Mathematical Medicine, The Research Institute at Nationwide Children’s Hospital, Columbus, OH.

May 2009 Constructing Biological Networks for Knowledge Discovery. Netherlands Cancer Institute, Amsterdam, Netherlands.

Feb. 2009 Extraction and Analysis of Biological Networks. Drexel University. School of Biomedical Engineering.

Dec. 2008 Workshop on Discrete Models for Systems Biology, Statistical and Applied Mathematics, Research Triangle Park, NC.

Mar. 2008 Delft University of Technology, Information and Communication Theory Group, Delft, Netherlands.
Sept. 2006 Applied Genomics Department Bristol Myers Squibb, Hopewell, NJ.

PRE and POSTDOCTORAL TRAINEES

Postdoctoral

Dates:	Name:	Award:	Current Position:
10/11/2021-Present	Sathya Ravi	Brooks Scholar	Postdoc at JGM, Ucar lab
09/01/2024-Present	Luke Trinity	T32 fellow	Postdoc at JGM, Ucar lab
03/31/2018-9/24/2023	Asa Thibodeau	-	Associate Computational Scientist, Ucar Lab
11/07/2022-8/4/2023	Mark Sokolowski	-	Senior Scientist Targan. Inc.

Graduate Students

Dates:	Name:	Award:	Current Position:
8/22/2022-Present	Avinash Mahajan	-	UConn Health PhD Predoc
09/0/2022-Present	Titas Grabauskas	AHA fellow	Uconn Health MD PhD
05/18/2020-8/1/2024	Eishani Sokolowski	-	Uconn Health PhD Predoc
01/19/2015-8/7/2020	Shubham Khetan	-	Postdoc at Harvard, Bulky Lab

Research Scientists (Current)

Dates:	Name:	Award:	Current Position:
12/31/2021-Present	Radu Marches	-	Research Scientist
09/06/2022-Present	Djamel Nehar-Belaid	-	Research Scientist
03/07/2022-Present	Giray Eryilmaz	-	Research Data Analyst
09/05/2023-Present	Yucehan Yazici	-	Research Data Analyst
06/13/2022-Present	Kshitija Kshitija	-	Research Assistant II
9/24/2023-Present	Asa Thibodeau	-	Computational Scientist