

# Chinmay P. RELE

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Research Interests  
Awards and Honors  
Research Products

Education  
Scientific Service  
Mentorship

Scientific Employment  
Professional Societies  
Funding

## Research Interests

I am primarily interested in understanding how network architecture can affect the evolution of genes within it. We will be using a combination of multiple -omics data including transcriptomes, genomes, and metabolomes to create an organismal-scale network to study the effect of each factor on the evolution of genes surrounding it. We plan to also use transposons to gauge what role each type has on the evolution of genes closer to it in the network, and in the 3D conformation of the genome. We will be using species within the *Drosophila* phylogeny as our model organisms.

I hope to expand what I learn about genomic network structure to *Hominidae* in the future.

## Education

2021 – current	THE UNIVERSITY OF ALABAMA, TUSCALOOSA ‣ Department : Biological Sciences ‣ THESIS – <i>Title Pending Finalization</i> ‣ Advisor – Laura K. REED	PHD. Expected Graduation : 2023
2015 – 2019	RUTGERS UNIVERSITY, NEW BRUNSWICK, NJ ‣ Major – Genetics ( <i>Departmental Honors</i> ) ‣ THESIS – Understanding the Evolutionary Dynamics of Transposable Elements in <i>Drosophila</i> Via <i>de novo</i> Identification and Classification ‣ Advisor – Christopher E. ELLISON ‣ Minor – Evolutionary Anthropology ‣ Certificate – Computational Genetics	BA – CUM LAUDE High Honors

## Scientific Employment/Fellowship History

2019 – current	IT TECHNICAL SPECIALIST, GENOMICS EDUCATION PARTNERSHIP ‣ Focused on building the microPublication pipeline ‣ Reconciling gene models ‣ Training reconcilers and annotators for student models ‣ Analyzing data for the Pathways Project publications ‣ Updating and maintaining the genome browser and tools ‣ Updating curriculum	UNIVERSITY OF ALABAMA, TUSCALOOSA
2018 – 2019	ODASIS TUTOR, INSTRUCTOR AND QUANTITATIVE GRE INSTRUCTOR ‣ Instructor and tutor for Precalculus 1 and 2, Calculus 1 and Statistics for Research	RUTGERS UNIVERSITY, NEW BRUNSWICK

## Awards & Honors

4. Summer Institute Scholarship, Summer Institutes - Biostatistics, University of Washington; WA, USA	2022
3. Summer Institute Scholarship, Summer Institutes - Biostatistics, University of Washington; WA, USA	2021
2. High Departmental Honors, Department of Genetics, Rutgers; NJ, USA	2019
1. NTU Research Finalist, Nanyang Technical University; Singapore	2014

## Scientific Service

1. Singapore Science Center, Teaching Volunteer, SG	MAY 2014 – PRESENT
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## Professional Societies

2. Society for Molecular Biology and Evolution	2022 – PRESENT
1. Genetics Society of America	2019 – PRESENT

## Research Products

Award-winning products <u>underlined</u>	Correspondence highlighted	Undergraduate Author <sup>1</sup>	1
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### POSTERS

21. Giunta A.A.<sup>U</sup>, Yordy J.M.<sup>U</sup>, Lawson M.E.<sup>U</sup>, **Rele C.P.**, Reed L.K. (2022) *An analysis of the rate of evolution of poly, rictor, lin-28, ImpL2, and melt genes in the Insulin/Tor Signaling Pathway of Drosophila*, Undergraduate Research and Creative Activity Conference 2023, University of Alabama 2023
20. Elgin, S.C.R., Hays, S., Croonquist, P., Leung, W., Lopatto, D., **Rele C.P.**, Tanner, S., Reed, L. 2023. The Genomics Education Partnership : Bringing Genomics Research into the Undergraduate Curriculum. Poster presented at the Plant & Animal Genome Conference. San Diego, CA. 2023
19. Diotti R., Arrigo C., Burg M.G., DiAngelo J.R., Elgin S.C.R., Ellison C.E., Jones, C.J., Kennel J., Leatherman J., Leung W., Lopatto D., Mingo V., Reed L.K., **Rele C.P.**, Sandlin K.M., Siders J., Velazquez-Ulloa N.V.-U., The Genomics Education Partnership (2022) *The Genomics Education Partnership : Teaching and Research Opportunities*, Genetics Society of America, *Drosophila* Conference, Chicago IL 2023
18. Lopatto, D., Paliulis, L.V., Silver Key, S.C., Van Stry, M., Siders, J., Leung, W., Sandlin, K.M., **Rele C.P.**, Reed, L.K. 2023. Pandemic Lessons Learned : Course-Based Research in Remote/Hybrid Environments. Poster presented at the Lilly Conference. San Diego, CA 2023
17. D. Lopatto, C.S. Silver Key, M. Van Stry, J. Siders, A.L. Goodman, W. Leung, M.S. Santisteban, K.M. Sandlin, **C.P. Rele**, L.K. Reed (2023). *Lessons Learned for Post-COVID Application from a Pandemic-resilient, Computer-based, Nationwide Genomics CURE*. ASCB 2023 2023
16. Sandlin, K. M., Leung, W., **Rele, C. P.**, Reed, L. K. (2022). *Overview of the Genomics Education Partnership*. QUBES Educational Resources. doi:10.25334/ZNHZ-BP15 2022
15. Diotti R., Arrigo C., Burg M.G., DiAngelo J.R., Elgin S.C.R., Ellison C.E., Jones, C.J., Kennel J., Leatherman J., Leung W., Lopatto D., Mingo V., Reed L.K., **Rele C.P.**, Sandlin K.M., Siders J., Velazquez-Ulloa N.V.-U., The Genomics Education Partnership (2022) *The Genomics Education Partnership : Teaching and Research Opportunities*, Genetics Society of America, *Drosophila* Conference, San Diego CA 2022
14. **Rele C.P.**, Reed L.K. (2022) *Correlating Regulatory Region and Genetic Evolution*, Genetics Society of America, *Drosophila* Conference 2022
13. Myers A.<sup>U</sup>, Koehler A.C.<sup>U</sup>, Backlund A.E.<sup>U</sup>, **Rele C.P.**, Reed L.K. (2022) *Comparative Analysis of Node Degree on Gene Evolution in the Insulin Signaling Pathway*, Genetics Society of America, *Drosophila* Conference 2022
12. Sandlin, K.M., Leung, W., Rele, C.P., Reed, L.K. 2022. The Genomics Education Partnership : Democratizing Genomics Research Experiences Nationwide. Poster presented at the National Association of Biology Teachers meeting. Indianapolis, IN. 2022
11. Yordy J.<sup>U</sup>, **Rele C.P.**, Reed L.K. (2022) *Analysis of the Evolutionary Rate of the Insulin Signaling Pathway Gene trbl Within Drosophila Species*, Undergraduate Research and Creative Activity Conference 2022, University of Alabama 2022
10. Myers A.<sup>U</sup>, Koehler A.C.<sup>U</sup>, Backlund A.E.<sup>U</sup>, **Rele C.P.**, Reed L.K. (2022) *Comparative Analysis of Node Degree on Gene Evolution in the Insulin Signaling Pathway*, Undergraduate Research and Creative Activity Conference 2022, University of Alabama 2022
9. Shelley-Tremblay S.<sup>U</sup>, **Rele C.P.**, Reed L.K. (2021) *Analysis of dock in Drosophila Species*, Undergraduate Research and Creative Activity Conference 2021, University of Alabama 2021
8. Hoffman S.A.<sup>U</sup>, **Rele C.P.**, Reed L.K. (2021) *Analysing the Evolutionary rate of wrd in Connection to its Position in the Insulin Signaling Pathway*, Undergraduate Research and Creative Activity Conference 2021, University of Alabama 2021
7. Giunta A.<sup>U</sup>, **Rele C.P.**, Reed L.K. (2021) *An Analysis of the Rate of Evolution of Tgo in the Insulin Signaling Pathway of Drosophila*, Undergraduate Research and Creative Activity Conference 2020, University of Alabama 2021
6. Yordy J.<sup>U</sup>, **Rele C.P.**, Reed L.K. (2021) *Analysis of the Evolutionary Rate of Insulin Signaling Pathway Gene trbl within Drosophila Species*, Undergraduate Research and Creative Activity Conference 2020, University of Alabama 2021
5. Sharp M.A.<sup>U</sup>, Chamberlain M.S.<sup>U</sup>, **Rele C.P.**, Reed L.K. (2021) *Investigating the Molecular Evolution of Akt1 in Comparison to the Insulin Signaling Pathway*, Undergraduate Research and Creative Activity Conference 2020, University of Alabama 2021
4. Tan M.<sup>U</sup>, Kiser C.A.<sup>U</sup>, Price A. G.<sup>U</sup>, Keirn G.<sup>U</sup>, **Rele C.P.**, Reed L.K. (2020) *An Analysis of the Tor Gene in the Insulin Signalling Pathway of D. melanogaster to Determine the Conservation of Genes*, Undergraduate Research and Creative Activity Conference 2020, University of Alabama 2020
3. Hale T.<sup>U</sup>, Sharp M.<sup>U</sup>, Lose B.<sup>U</sup>, Chamberlain M.<sup>U</sup>, **Rele C.P.**, Reed L.K. (2020) *Analyzing the evolutionary rate of chico relative to its position in the insulin signaling pathway*, Undergraduate Research and Creative Activity Conference 2020, University of Alabama 2020

1. Annotations only valid for completed products

2. **Rele C.P.**, Ellison C.E. (2019) *Understanding The Evolutionary Dynamics Of Transposable Elements in Drosophila Via de novo Identification and Classification*, Aresty Research Symposium, Rutgers University 2019
1. **Rele C.P.**, Ellison C.E. (2018) *Understanding Genetic Variation in the Repetitive Sequence Content of Drosophila melanogaster*; Aresty Research Symposium, Rutgers University 2018

## PRESENTATIONS

1. Understanding The Evolutionary Dynamics Of Transposable Elements in *Drosophila* Via de novo Identification and Classification; Rutgers Honors Day 2019

## PUBLICATIONS

### Published

#### Meta Analyses

1. David Lopatto, S. Catherine Silver Key ckey@nccu.edu, Melanie Van Stry, Jamie Siders, Wilson Leung, Katie M. Sandlin, **Chinmay P. Rele**, The Genomics Education Partnership, Laura K. Reed (2023). *Supporting the democratization of science during a pandemic : genomics Course-based Undergraduate Research Experiences (CUREs) as an effective remote learning strategy*. microPublication Biology. [10.1128/jmbe.00039-23](https://doi.org/10.1128/jmbe.00039-23). PMID :; PMCID : 2023

#### microPublications

5. Congleton, H<sup>U</sup>; Kiser, CA<sup>U</sup>; Colom Diaz, PA<sup>U</sup>; Schlichting, E<sup>U</sup>; Walton, DA<sup>U</sup>; Long, LJ; Reed, LK; Martinez-Cruzado, JC; **Rele, CP** (2022). *Drosophila mojavensis - chico*. microPublication Biology. [10.17912/micropub.biology.000677](https://doi.org/10.17912/micropub.biology.000677). PMID : 36468157; PMCID : PMC9709637 2022
4. Laskowski, LF<sup>U</sup>; Kiser, CA<sup>U</sup>; Huber, R<sup>U</sup>; Kusche, S<sup>U</sup>; Arsham, AM; Giarla, TC; **Rele, CP** (2022). *Drosophila simulans - Ilp2*. microPublication Biology. [10.17912/micropub.biology.000679](https://doi.org/10.17912/micropub.biology.000679). PMID : 36468154; PMCID : PMC9709637 2022
3. Morgan, A<sup>U</sup>; Kiser, CA<sup>U</sup>; Bronson, I<sup>U</sup>; Lin, H<sup>U</sup>; Guilette, N<sup>U</sup>; McMahon, R<sup>U</sup>; Kennell, JA; Long, LJ; Reed, LK; **Rele, CP** (2021). *Drosophila eugracilis - Akt*. microPublication Biology. [10.17912/micropub.biology.000544](https://doi.org/10.17912/micropub.biology.000544). PMID : 35856017; PMCID : PMC9287739 2021
2. Lose, B<sup>U</sup>; Myers, A<sup>U</sup>; Fondse, S<sup>U</sup>; Alberts, I<sup>U</sup>; Stamm, J; Youngblom, JJ; **Rele, CP**; Reed, LK (2021). *Drosophila yakuba - Tsc1*. microPublication Biology. [10.17912/micropub.biology.000474](https://doi.org/10.17912/micropub.biology.000474). PMID : 34786536; PMCID : PMC8590729 2021
1. **Rele, CP**; Williams, J<sup>U</sup>; Reed, LK; Youngblom, JJ; Leung, W (2021). *Drosophila grimshawi - Rheb*. microPublication Biology. [10.17912/micropub.biology.000371](https://doi.org/10.17912/micropub.biology.000371). PMID : 33615194; PMCID : PMC7890423 2021

#### Protocols

2. **Rele, C. P.**, Sandlin, K. M., Leung, W. & Reed, L. K. Manual annotation of *Drosophila* genes : a Genomics Education Partnership protocol [version 2; peer review : 1 approved, 1 approved with reservations]. F1000Research 2022, 11:1579 [10.12688/f1000research.126839.2](https://doi.org/10.12688/f1000research.126839.2) 2022
1. **Rele, C. P.**, Sandlin, K. M., Leung, W. & Reed, L. K. Manual Annotation of Genes within *Drosophila* Species : the Genomics Education Partnership protocol. bioRxiv 2020.12.10.420521 (2020). doi:10.1101/2020.12.10.420521 2020

## Unpublished<sup>2</sup>

4. **Rele C.P.**, Ellison C.E. *Understanding The Evolutionary Dynamics Of Transposable Elements in Drosophila Via de novo Identification and Classification* 2019
3. **Rele C.P.**, Ellison C.E. *Understanding Genetic Variation in the Repetitive Sequence Content of Drosophila melanogaster* 2018
2. **Rele C.P.**, Ellison C.E. *Copy Number Variation Patterns in DGRP* 2017
1. **Rele C.P.**, Ellison C.E. *Regulation of Gene Expression by Putatively Adaptive Transposable Element (TE) Insertions* 2017

## Under Review

#### microPublications

281. Anna Grace Price, Madeline Gruys, Ian Alberts, Robyn Huber, Andrew M Arsham, Joyce Stamm, **Chinmay P. Rele** *Drosophila virilis (DvirCAF1) – Ilp2* 2022
280. Leon Laskowski, Abia Khan, Claire Houchen\*, D'Andrew L. Harrington, Olivia Di Cristofaro, Ziwen Xu, Mollie Manier, **Chinmay P. Rele** *Drosophila virilis (DvirCAF1) – HDAC4* 2022
279. Jhila Dasgupta, Amber Thibaux, Joshua Williams, Jacqueline Wittke-Thompson, Laura K. Reed, **Chinmay P. Rele** *Drosophila buskii (DbusGB1) – Thor* 2022
278. Jhila Dasgupta, Clairine I.S. Larsen, Jordan Pyle, Jacqueline Wittke-Thompson, Jeffrey S. Thompson, **Chinmay P. Rele** *Drosophila biarmipes (DbiaGB2) – Thor* 2022
277. Caroline Schwab, Angel Avalos, Dean Bunnell, James J. Youngblom, Laura K. Reed, **Chinmay P. Rele** *Drosophila yakuba (DyakCAF1) – step* 2022
276. Grace Keirn, Cole Kiser, Leon Laskowski, Jordon Hensley, Rachel Mortan, Thuy Nguyen, Anya Goodman, James J. Youngblom, Laura K. Reed, **Chinmay P. Rele** *Drosophila yakuba (DyakCAF1) – S6k* 2022

2. Undergraduate research products; not peer reviewed; available upon request; no intent on publication.

275. Hannah Congleton, Alexa Hokenstad, Savannah Fangel, Andrew M Arsham, Joyce Stamm, **Chinmay P. Rele** *Drosophila yakuba* (*DyakCAF1*) – *Myc* 2022
274. Rachael Cowan, Brittany Saliccioli, Gregory Sileo, Hailey Groenhof, Jacqueline Wittke-Thompson, Scott Tanner, Thomas C. Giarla, **Chinmay P. Rele** *Drosophila yakuba* (*DyakCAF1*) – *Ilp5* 2022
273. Leon Laskowski, Joel Rosado Ventura, Nazneen Mujeeb, Robyn Huber, Sarah Hewitt, Andrew M Arsham, Rachel Sterne-Marr, Vidya Chandrasekaran, **Chinmay P. Rele** *Drosophila yakuba* (*DyakCAF1*) – *Ilp4* 2022
272. James O'Brien, , Andrew M Arsham, Christopher E. Ellison, Jeffrey S. Thompson, Rachel Sterne-Marr, **Chinmay P. Rele** *Drosophila yakuba* (*DyakCAF1*) – *Ilp3* 2022
271. Anna Grace Price, Breanna Evans, Robyn Huber, Andrew M Arsham, Joyce Stamm, **Chinmay P. Rele** *Drosophila yakuba* (*DyakCAF1*) – *Ilp2* 2022
270. Alyssa Koehler, Isaac Romo, Viet Le, Amy T. Hark, James J. Youngblom, **Chinmay P. Rele** *Drosophila yakuba* (*DyakCAF1*) – *GlyS* 2022
269. McKenzie Chamberlain, Caroline Schwab, Dean Bunnell, W. Storm Poser, Joyce Stamm, Laura K. Reed, **Chinmay P. Rele** *Drosophila yakuba* (*DyakCAF1*) – *gig* 2022
268. Leon Laskowski, Inayah Burton, Nicklaus J. Newman, Timothy J. Stanek, Christopher E. Ellison, Solomon Tin Chi Chak, **Chinmay P. Rele** *Drosophila yakuba* (*DyakCAF1*) – *DENR* 2022
267. Jhila Dasgupta, Dalton Jenner, Olivia Fish, Jacqueline Wittke-Thompson, Laura K. Reed, **Chinmay P. Rele** *Drosophila willistoni* (*DwilCAF1*) – *Thor* 2022
266. Annie Backlund, Alexandra Yungblut, Leon Laskowski, Jacqueline Wittke-Thompson, Laura K. Reed, **Chinmay P. Rele** *Drosophila willistoni* (*DwilCAF1*) – *raptor* 2022
265. Grace Keirn, Cole Kiser, Hope Burnham, Sean Kusche, Laura K. Reed, Thomas C. Giarla, **Chinmay P. Rele** *Drosophila willistoni* (*DwilCAF1*) – *Pten* 2022
264. Leon Laskowski, Gregory Sileo, Nick Meyers, Laura K. Reed, Thomas C. Giarla, **Chinmay P. Rele** *Drosophila willistoni* (*DwilCAF1*) – *InR* 2022
263. Leon Laskowski, Linh Nguyen, Nicole S. Torosin, Priya Vaid, Christopher E. Ellison, **Chinmay P. Rele** *Drosophila willistoni* (*DwilCAF1*) – *cnk* 2022
262. Alyssa Koehler, , James J. Youngblom, Laura K. Reed, **Chinmay P. Rele** *Drosophila willistoni* (*DwilCAF1*) – *GlyS* 2022
261. Jhila Dasgupta, Emile Moura Coehlo da Silva, Gregory Sileo, Joyce Stamm, Thomas C. Giarla, **Chinmay P. Rele** *Drosophila virilis* (*DvirCAF1*) – *Thor* 2022
260. Annie Backlund, John Yordy, Leon Laskowski, William Martin, Brian Yowler, Jacqueline Wittke-Thompson, Laura K. Reed, **Chinmay P. Rele** *Drosophila virilis* (*DvirCAF1*) – *raptor* 2022
259. Bailey Lose, Abigail (Abby) Myers, Meghan Williams, Rylee Perentis, Wyatt Brigham, James J. Youngblom, Laura K. Reed, **Chinmay P. Rele** *Drosophila virilis* (*DvirCAF1*) – *Pi3K21B* 2022
258. Cole Kiser, Alexa Hokenstad, Robyn Huber, Andrew M Arsham, Joyce Stamm, **Chinmay P. Rele** *Drosophila virilis* (*DvirCAF1*) – *Myc* 2022
257. Jhila Dasgupta, Clairine I.S. Larsen, Jordan Pyle, Jacqueline Wittke-Thompson, Jeffrey S. Thompson, **Chinmay P. Rele** *Drosophila biarmipes* (*DbiaGB2*) – *Thor* 2022
256. Grace Keirn, Cole Kiser, Leon Laskowski, Breanna Evans, Jennifer Fortunato, Joyce Stamm, Laura K. Reed, **Chinmay P. Rele** *Drosophila virilis* (*DvirCAF1*) – *InR* 2022
255. Sisi Hon, Alexia Abric, Izzy Armstrong, Maya Banks, Shan Hays, Tara Pelletier, **Chinmay P. Rele** *Drosophila biarmipes* (*DbiaGB2*) – *Ilp8* 2022
254. Leon Laskowski, Robyn Huber, Sean Kusche, Andrew M Arsham, Thomas C. Giarla, **Chinmay P. Rele** *Drosophila simulans* (*DsimGB2*) – *Ilp2* 2022
253. Alyssa Koehler, Madeline Gruys, Chase Berberich, Leonard Salcedo, Sakura Mashiko, Christopher E. Ellison, Lindsey J. Long, **Chinmay P. Rele** *Drosophila eugracilis* (*DeugGB2*) – *Dsor1* 2022
252. Cole Kiser, Hannah Congleton, Dorothy Walton, Elizabeth Schlichting, Patricia A. Colom Díaz, Juan C. Martinez-Cruzado, Laura K. Reed, Lindsey J. Long, **Chinmay P. Rele** *Drosophila mojavensis* (*DmojCAF1*) – *chico* 2022
251. Graham Jones, Cody Hurt, Jacob Meyst, Madeline Mcabee, Jamie Siders, Scott Tanner, **Chinmay P. Rele** *Drosophila miranda* (*DmirGB2*) – *cnk* 2022
250. Gabriella (Gabbie) Bicanovsky, Katelyn Kelchner, Robert Mack Anderton Jr., Abby Hare-Harris, Laura K. Reed, **Chinmay P. Rele** *Drosophila grimshawi* (*DgriCAF1*) – *wrd* 2022
249. Gabriella (Gabbie) Bicanovsky, Jay B. Patel, Samantha Hoffman, Urwah Chaudhary, Laura K. Reed, Nikolaos Tsotakos, **Chinmay P. Rele** *Drosophila virilis* (*DvirCAF1*) – *wrd* 2022
248. Megan Lawson, Sabina Zarod, Samantha Hoffman, Evan Merkhofer, Laura K. Reed, **Chinmay P. Rele** *Drosophila mojavensis* (*DmojCAF1*) – *wrd* 2022
247. Megan Lawson, Kathleen Tran, Mateo Antonio Lopez, Jamie Siders, Laura K. Reed, **Chinmay P. Rele** *Drosophila persimilis* (*DperCAF1*) – *cnk* 2022
246. Gabriella (Gabbie) Bicanovsky, Lauren Cheek, Madeline Cesarone, John Stanga, Laura K. Reed, **Chinmay P. Rele** *Drosophila willistoni* (*DwilCAF1*) – *Tsc1* 2022

245. Alyssa Koehler, Amber Marie Richardson, James Lee, Priya Brahm, Rachel Kaufman, Laura K. Reed, Mollie Manier, **Chinmay P. Rele** *Drosophila ananassae* (DanaCAF1) – *melt* 2022
244. Jamaricus Monroe, Alyssa Koehler, Grace Keirn, Zachary Lill, Amy T. Hark, Laura K. Reed, **Chinmay P. Rele** *Drosophila ananassae* (DanaCAF1) – *Pdk1* 2022
243. Alyssa Koehler, Anjali Parikh, Courtney Elsie, Herman J. Wearsch, Jamie Siders, Jennifer Jemc, Laura K. Reed, **Chinmay P. Rele** *Drosophila buskii* (DbusGB1) – *cnk* 2022
242. Alyssa Koehler, Ali Jade Miller, Chloe Nason, Kara Kneuper, Laura K. Reed, Lindsey J. Long, **Chinmay P. Rele** *Drosophila sechellia* (DsecCAF1) – *Ptp61F* 2022
241. Alyssa Koehler, Alexandria Nicolaus, Eden Dowell, Gurjoban Hayer, Jaskamaldip Kaur, Jordan Elkinton, James J. Youngblom, Lindsey J. Long, Stephanie Toering-Peters, **Chinmay P. Rele** *Drosophila virilis* (DvirCAF1) – *dock* 2022
240. Abigail (Abby) Myers, Helen William, Robyn Huber, Andrew M Arsham, Joyce Stamm, **Chinmay P. Rele** *Drosophila ananassae* (DanaCAF1) – *Ilp2* 2022
239. Gabriella (Gabbie) Bicanovsky, Isabel Wellik, Viet Le, Amy T. Hark, Jeffrey S. Thompson, **Chinmay P. Rele** *Drosophila grimshawi* (DgriCAF1) – *GlyP* 2022
238. Gabriella (Gabbie) Bicanovsky, Katie Sandlin, McKenna Griffin, Laura K. Reed, Shan Hays, **Chinmay P. Rele** *Drosophila grimshawi* (DgriCAF1) – *Ilp8* 2022
237. Megan Lawson, Samantha Hoffman, Valeria Ramos, James J. Youngblom, Laura K. Reed, **Chinmay P. Rele** *Drosophila erecta* (DereCAF1) – *Tsc1* 2022
236. Megan Lawson, Carmen Chen, Cassandra Bell, Harte Singer, Yesenia Melendez, Claudia Uhde-Stone, Laura K. Reed, **Chinmay P. Rele** *Drosophila rhopaloea* (DrhoGB2) – *CycG* 2022
235. Gabriella (Gabbie) Bicanovsky, Emma K. Shelton, Francisca L. Esquivel, Negar Naminiasl, Claudia Uhde-Stone, Zeynep Ozysoy, **Chinmay P. Rele** *Drosophila suzukii* (DsuzGB1) – *Ilp5* 2022
234. Aidan Long, Jhilam Dasgupta, , Jacqueline Wittke-Thompson, Laura K. Reed, **Chinmay P. Rele** *Drosophila willistoni* (DwilCAF1) – *tgo* 2022
233. Leon Laskowski, Alex Thomas, Sean Kusche, Laura K. Reed, Thomas C. Giarla, **Chinmay P. Rele** *Drosophila willistoni* (DwilCAF1) – *sgg* 2022
232. Aidan Long, Jhilam Dasgupta, A’Kia Walker, Rylee Perentis, James J. Youngblom, Laura K. Reed, **Chinmay P. Rele** *Drosophila virilis* (DvirCAF1) – *Rheb* 2022
231. Leon Laskowski, Brianna Cowan, Greta Leissa, Harper O. W. Wallace, Indrani Bose, Jeffrey S. Thompson, **Chinmay P. Rele** *Drosophila erecta* (DereCAF1) – *cnk* 2022
230. Ashley , Jhilam Dasgupta, Andrew Luo, Annie Backlund, Jefferson Waters, Jennifer Kennel, Laura K. Reed, **Chinmay P. Rele** *Drosophila elegans* (DeleGB2) – *Akt* 2022
229. Leon Laskowski, Melecia M. De Freitas, Shawn Wayne McCabe, Tolulope Ruth Kolapo, Claudia Uhde-Stone, Laura K. Reed, Paula Croonquist, **Chinmay P. Rele** *Drosophila simulans* (DsimGB2) – *SkpA* 2022
228. Ashley , Jhilam Dasgupta, Sarah Teitelbaum, Taylor Braunstein, Zachary Henig, Amy T. Hark, Jennifer Kennel, **Chinmay P. Rele** *Drosophila suzukii* (DsuzGB1) – *Akt* 2022
227. Cole Kiser, Helen William, McKenzie Chamberlain, Joyce Stamm, Laura K. Reed, **Chinmay P. Rele** *Drosophila virilis* (DvirCAF1) – *chico* 2022
226. Ryan, Christine Severude, Grace Kiern, Jennifer Mierisch, Laura K. Reed, **Chinmay P. Rele** *Drosophila biarmipes* (DbiaGB2) – *Tor* 2022
225. Ashley , Jhilam Dasgupta, Jordan Albrecht, Julie McInvale, Jennifer Kennel, Laura K. Reed, **Chinmay P. Rele** *Drosophila bipectinata* (DbipGB2) – *Akt* 2022
224. Ashley , Jhilam Dasgupta, Abbie Giunta, Jaein Kim, Riya Sirdeshmukh, Jennifer Kennel, Laura K. Reed, **Chinmay P. Rele** *Drosophila takahashii* (DtakGB2) – *Akt* 2022
223. Abigail (Abby) Myers, Heather Blin, Najma Adan, Jamie Siders, Paula Croonquist, **Chinmay P. Rele** *Drosophila biarmipes* (DbiaGB2) – *CycG* 2022
222. Jhilam Dasgupta, Anna Ren, Bailey Lose, Carissa Stoudt, Frances Sunga, Sarini Saksena, Laura K. Reed, Mollie Manier, **Chinmay P. Rele** *Drosophila simulans* (DsimGB2) – *Thor* 2022
221. McKenzie Chamberlain, Madeline Gruys, Cole A. Kiser, Cristina Guterrez, Owen Roth, James J. Youngblom, Joyce Stamm, Laura K. Reed, **Chinmay P. Rele** *Drosophila virilis* (DvirCAF1) – *Tor* 2022
220. Bailey Lose, Alexa Hokenstad, Cole A. Kiser, Cristina Guterrez, Owen Roth, James J. Youngblom, Joyce Stamm, Laura K. Reed, **Chinmay P. Rele** *Drosophila pseudoobscura* (DpseGB3) – *Tor* 2022
219. Jhilam Dasgupta, Emile Moura Coehlo da Silva, Harper O. W. Wallace, Jeffrey S. Thompson, Joyce Stamm, **Chinmay P. Rele** *Drosophila pseudoobscura* (DpseGB3) – *Tor* 2022
218. Rachael Cowan, Gregory Sileo, Martine Boetto, Robyn Huber, Sarah Hardin, Andrew M Arsham, Jacqueline Wittke-Thompson, Laura K. Reed, Thomas C. Giarla, **Chinmay P. Rele** *Drosophila mojavensis* (DmojCAF1) – *Ilp3* 2022
217. Alyssa Koehler, Madeline Gruys, , Catherine Reinke, Juan C. Martinez-Cruzado, Laura K. Reed, **Chinmay P. Rele** *Drosophila mojavensis* (DmojCAF1) – *GlyS* 2022



216. Alyssa Koehler, Braden Nicholson, Evan Heidenreich, Julian Menendez, Juan C. Martinez-Cruzado, Lindsey J. Long, **Chinmay P. Rele** *Drosophila mojavensis* (*DmojCAF1*) – *Dsor1* 2022
215. Leon Laskowski, Derek Long, Ethan Baron, Gregory Sileo, Raubie Raiford, Sam Wong, Mollie Manier, Thomas C. Giarla, **Chinmay P. Rele** *Drosophila simulans* (*DsimGB2*) – *sgg* 2022
214. Grace Keirn, Cole Kiser, Leon Laskowski, Cassandra Olivas, Sean Kusche, James J. Youngblom, Thomas C. Giarla, **Chinmay P. Rele** *Drosophila simulans* (*DsimGB2*) – *Pi3K92E* 2022
213. Leon Laskowski, Gregory Sileo, Zachary Lill, Amy T. Hark, Thomas C. Giarla, **Chinmay P. Rele** *Drosophila suzukii* (*DsuzGB1*) – *chico* 2022
212. Annie Backlund, Leon Laskowski, Rue Allison, Sean Shelley-Tremblay, Brian Yowler, Jacqueline Wittke-Thompson, Laura K. Reed, **Chinmay P. Rele** *Drosophila arizonae* (*DariGB1*) – *raptor* 2022
211. Logan Cohen, Jonah Silverman, Mary Galvan, Rachel Choate, Amy T. Hark, James J. Youngblom, **Chinmay P. Rele** *Drosophila yakuba* (*DyakCAF1*) – *srl* 2022
210. Annie Backlund, Abigail Giunta, John Pulford, Jonas Nielsen, Leon Laskowski, Jacqueline Wittke-Thompson, Jeffrey S. Thompson, Laura K. Reed, **Chinmay P. Rele** *Drosophila biarmipes* (*DbiaGB2*) – *raptor* 2022
209. Leon Laskowski, Aidan Dermady, Kyle Lefler, Paula I. Hernandez Acevedo, Samantha Hoffman, Geoffrey D. Findlay, Juan C. Martinez-Cruzado, Laura K. Reed, **Chinmay P. Rele** *Drosophila mojavensis* (*DmojCAF1*) – *CycG* 2022
208. Grace Keirn, Leon Laskowski, Cole Kiser, Helen William, Vanesa Paola Valdez Macias, James J. Youngblom, Joyce Stamm, **Chinmay P. Rele** *Drosophila ananassae* (*DanaCAF1*) – *InR* 2022
207. Rachael Cowan, Martina Katrba, Shyanne Abbott, Andrew M Arsham, Jacqueline Wittke-Thompson, **Chinmay P. Rele** *Drosophila biarmipes* (*DbiaGB2*) – *Ilp3* 2022
206. Leon Laskowski, Claire Coble, Greta Leissa, Harper O. W. Wallace, Indrani Bose, Jeffrey S. Thompson, **Chinmay P. Rele** *Drosophila biarmipes* (*DbiaGB2*) – *cnk* 2022
205. McKenzie Chamberlain, Ali Christie, Hannah Shaver, Jeremy Girard, James J. Youngblom, Lindsey J. Long, **Chinmay P. Rele** *Drosophila ananassae* (*DanaCAF1*) – *elF4E1* 2022
204. Abigail (Abby) Myers, Emile Moura Coehlo da Silva, Grace Kiern, Joyce Stamm, Laura K. Reed, **Chinmay P. Rele** *Drosophila ananassae* (*DanaCAF1*) – *Tor* 2022
203. Abigail (Abby) Myers, Owen Roth, James J. Youngblom, Laura K. Reed, **Chinmay P. Rele** *Drosophila elegans* (*DeleGB2*) – *Tor* 2022
202. Megan Lawson, Peter Kirkpatrick, Sierra Keck, Michele Eller, Rachel Sterne-Marr, **Chinmay P. Rele** *Drosophila erecta* (*DereCAF1*) – *Ilp6* 2022
201. Megan Lawson, Daniel Morris, Mikhail Sanu, Samantha Hoffman, Laura K. Reed, Nikolaos Tsotakos, **Chinmay P. Rele** *Drosophila ananassae* (*DanaCAF1*) – *wrd* 2022
200. Graham Jones, Ali Jade Miller, Fijabi Oluwatobi, Laura K. Reed, **Chinmay P. Rele** *Drosophila pseudoobscura* (*DpseGB3*) – *wrd* 2022
199. Graham Jones, Abigail Giunta, Hanah Mastandrea, Jacqueline Wittke-Thompson, Laura K. Reed, **Chinmay P. Rele** *Drosophila miranda* (*DmirGB2*) – *tgo* 2022
198. Abigail (Abby) Myers, Fijabi Oluwatobi, Hanah Mastandrea, Jacqueline Wittke-Thompson, Laura K. Reed, **Chinmay P. Rele** *Drosophila virilis* (*DvirCAF1*) – *tgo* 2022
197. Abigail (Abby) Myers, Alexandra Yungblut, Brandyn Collins, Jeanette Ibarra, Jacqueline Wittke-Thompson, Laura K. Reed, **Chinmay P. Rele** *Drosophila willistoni* (*DwilCAF1*) – *step* 2022
196. Alyssa Koehler, D'Andrew L. Harrington, Minh Luong, Chelsey McKenna, Daron Barnard, **Chinmay P. Rele** *Drosophila elegans* (*DeleGB2*) – *Pten* 2022
195. Alyssa Koehler, Casey Starke, Dionne Weaver, Eleanor Robinson, Gianni Walker, Evan Merkhofer, Jack Vincent, **Chinmay P. Rele** *Drosophila erecta* (*DereCAF1*) – *Fmr1* 2022
194. Megan Lawson, Delaney Dunne, Julie Moon, Keely Doyle, Shanthal Jocelynn Ferreyra, Christine Fleet, Claudia Uhde-Stone, **Chinmay P. Rele** *Drosophila erecta* (*DereCAF1*) – *STUB1* 2022
193. Alyssa Koehler, Nick Chiaramonti, Samantha Marez, Judith Leatherman, Laura K. Reed, **Chinmay P. Rele** *Drosophila erecta* (*DereCAF1*) – *Pp2A-29B* 2022
192. Gabriella (Gabbie) Bicanovsky, Jahni Jules, Landon Brown, Savannah Rowden, Amanda Stahlke, John Stanga, Zeynep Ozysoy, **Chinmay P. Rele** *Drosophila biarmipes* (*DbiaGB2*) – *foxo* 2022
191. Megan Lawson, Andria A. Tucker, Cameron Wood, Devon Chen, Mateo Antonio Lopez, Daron Barnard, Evan Merkhofer, Lindsey J. Long, **Chinmay P. Rele** *Drosophila erecta* (*DereCAF1*) – *sima* 2022
190. Megan Lawson, Javier Contreras, Marigh Nersesian, James J. Youngblom, Jeroen T. F. Gillard, **Chinmay P. Rele** *Drosophila erecta* (*DereCAF1*) – *S6k* 2022
189. Graham Jones, Alexandria Nicolaus, Jake LaMar, Jake Williams, Kohl Kirby, Sean Shelley-Tremblay, Laura K. Reed, Lindsey J. Long, Stephanie Toering-Peters, **Chinmay P. Rele** *Drosophila buskii* (*DbusGB1*) – *dock* 2022
188. Megan Lawson, Ashley Morgan, Courtney Elsie, Devan Flannery, Elizabeth Taylor, Kuntepi Chetana, Kellie Agrimson, Laura K. Reed, **Chinmay P. Rele** *Drosophila yakuba* (*DyakCAF1*) – *Lst8* 2022

187. Megan Lawson, Alejandro J. Mercado Capote, Joshua D. Kreitlow, Juan C. Martinez-Cruzado, Stephanie Toering-Peters, **Chinmay P. Rele** *Drosophila mojavensis* (*DmojCAF1*) – *dock* 2022
186. Gabriella (Gabbie) Bicanovsky, Amun Uppal, Indrani Chakravarty, Leela Chandra Manozna Nidumolu, Nicole S. Torosin, Christopher E. Ellison, Claudia Uhde-Stone, **Chinmay P. Rele** *Drosophila yakuba* (*DyakCAF1*) – *SkpA* 2022
185. Megan Lawson, Ley Hokanson, Sandibel Reyes, Catherine Silver Key, Maire Kate Sustacek, **Chinmay P. Rele** *Drosophila sechellia* (*DsecCAF1*) – *Ilp2* 2022
184. Graham Jones, Caleb Sumandea, Heather Bline, Ana Almeida, Jamie Sider-Sanford, **Chinmay P. Rele** *Drosophila rhopalaoa* (*DrhoGB2*) – *Dsor1* 2022
183. Abbie Giunta, Jonathan Segura, Michelle Martinez, Brian Schwartz, Paula Croonquist, **Chinmay P. Rele** *Drosophila sechellia* (*DsecCAF1*) – *CycG* 2022
182. Jhilam Dasgupta, , **Chinmay P. Rele** *Drosophila willistoni* (*DwilCAF1*) – *Akt* 2022
181. Ashley Morgan, Jhilam Dasgupta, Ali Jade Miller, Mary Mckenney, Jennifer Kennel, Laura K. Reed, **Chinmay P. Rele** *Drosophila serrata* (*DserGB1*) – *Akt* 2022
180. Madison Sharp, , Jacqueline Wittke-Thompson, Laura K. Reed, **Chinmay P. Rele** *Drosophila simulans* (*DsimGB2*) – *raptor* 2022
179. Leon Laskowski, Madeline Gruys, AnnaMaria DiGeronimo, Robyn Huber, Andrew M Arsham, Vidya Chandrasekaran, **Chinmay P. Rele** *Drosophila simulans* (*DsimGB2*) – *Ilp4* 2022
178. Abigail (Abby) Myers, Cassandra White, Isabella Pfeffer, Luke Ziegler, Marcell Guerra, Nicholas Miller, Andrew M Arsham, Laura K. Reed, Mollie Manier, **Chinmay P. Rele** *Drosophila simulans* (*DsimGB2*) – *Myc* 2022
177. Rachael Cowan, Jessica Peterson, Joel Rosado Ventura, Mahde Alchab, Samantha Miladinovski, Sarah Hewitt, Jacqueline Wittke-Thompson, Rachel Sterne-Marr, Scott Tanner, **Chinmay P. Rele** *Drosophila simulans* (*DsimGB2*) – *elF4E1* 2022
176. Madison Sharp, Caroline Xiong, Zachary Lill, Amy T. Hark, James J. Youngblom, **Chinmay P. Rele** *Drosophila simulans* (*DsimGB2*) – *GlyS* 2022
175. Leon Laskowski, Aaron Abizadeh, Zachary Lill, Amy T. Hark, Solomon Tin Chi Chak, **Chinmay P. Rele** *Drosophila simulans* (*DsimGB2*) – *GlyP* 2022
174. Aidan Long, Abigail (Abby) Myers, Hanah Mastandrea, Jessica Kretsch, Jacqueline Wittke-Thompson, Paula Croonquist, **Chinmay P. Rele** *Drosophila sechellia* (*DsecCAF1*) – *tgo* 2022
173. Bailey Lose, Abigail (Abby) Myers, Cole A. Kiser, Emile Moura Coehlo da Silva, Owen Roth, Rachel Mortan, James J. Youngblom, Joyce Stamm, Laura K. Reed, **Chinmay P. Rele** *Drosophila yakuba* (*DyakCAF1*) – *Tor* 2022
172. Cole Kiser, Almira Southworth, Multiple Students of the University, Rachell Chon, Andrew M Arsham, Jennifer Kennel, Lindsey J. Long, **Chinmay P. Rele** *Drosophila simulans* (*DsimGB2*) – *Akt* 2022
171. Leon Laskowski, Frances Abanonu, Leonard Salcedo, Christopher E. Ellison, Paula Croonquist, **Chinmay P. Rele** *Drosophila sechellia* (*DsecCAF1*) – *Sin1* 2022
170. James O'Brien, Martina Katrba, Olivia Westphal, Jacqueline Wittke-Thompson, Maire Kate Sustacek, **Chinmay P. Rele** *Drosophila sechellia* (*DsecCAF1*) – *Ilp3* 2022
169. Sean Shelley-Tremblay, Alyssa Koehler, , Amy T. Hark, Cindy Wolfe, **Chinmay P. Rele** *Drosophila sechellia* (*DsecCAF1*) – *GlyS* 2022
168. Rachael Cowan, Emily E. Quealy, Lillian Kuban, Melissa Sawyer, Andrew M Arsham, Maire Kate Sustacek, **Chinmay P. Rele** *Drosophila sechellia* (*DsecCAF1*) – *Ilp4* 2022
167. Leon Laskowski, Betty Duan, Molly Tilsen, Maire Kate Sustacek, Melinda Yang, **Chinmay P. Rele** *Drosophila sechellia* (*DsecCAF1*) – *Lst8* 2022
166. Leon Laskowski, Junjie Liu, Samuel Kim, Zachary Lill, Amy T. Hark, Jennifer Kennel, **Chinmay P. Rele** *Drosophila sechellia* (*DsecCAF1*) – *Akt* 2022
165. Abigail (Abby) Myers, Bailey Lose, Nick Meyers, Laura K. Reed, **Chinmay P. Rele** *Drosophila willistoni* (*DwilCAF1*) – *chico* 2022
164. Jhilam Dasgupta, , Jacqueline Wittke-Thompson, Laura K. Reed, **Chinmay P. Rele** *Drosophila miranda* (*DmirGB2*) – *Thor* 2022
163. Sean Shelley-Tremblay, Alyssa Koehler, Madeline Gruys, Benjamin Chen, Wiley Cain, Amy T. Hark, Cindy Wolfe, **Chinmay P. Rele** *Drosophila hydei* (*DhydGB1*) – *GlyS* 2022
162. Madison Sharp, , Joyce Stamm, Laura K. Reed, **Chinmay P. Rele** *Drosophila mojavensis* (*DmojCAF1*) – *gig* 2022
161. Annie Backlund, Heather Willis, Brian Yowler, Jacqueline Wittke-Thompson, **Chinmay P. Rele** *Drosophila miranda* (*DmirGB2*) – *raptor* 2022
160. Ashley, Jhilam Dasgupta, Madeline Gruys, Mindy Natysin, Robyn Hunter, Andrew M Arsham, Laura K. Reed, **Chinmay P. Rele** *Drosophila mojavensis* (*DmojCAF1*) – *Akt* 2022
159. Leon Laskowski, Madeline Gruys, Catheryn Opperman, Robyn Huber, Andrew M Arsham, Stephanie Toering-Peters, **Chinmay P. Rele** *Drosophila erecta* (*DereCAF1*) – *Ilp1* 2022
158. Ryan, Savannah Ryan, Zachary Lill, Amy T. Hark, Jennifer Mierisch, **Chinmay P. Rele** *Drosophila suzukii* (*DsuzGB1*) – *Tor* 2022
157. Annie Backlund, Carlos Castillo, Einar Trosdal, Leon Laskowski, Nicole Christiansen, Brian Yowler, Jacqueline Wittke-Thompson, **Chinmay P. Rele** *Drosophila buskii* (*DbusGB1*) – *raptor* 2022
156. Hannah Congleton, Greta Leissa, Harper O. W. Wallace, Jeffrey S. Thompson, Juan C. Martinez-Cruzado, **Chinmay P. Rele** *Drosophila mojavensis* (*DmojCAF1*) – *cnk* 2022

155. D'Andrew Harrington, Martine Boetto, Nicklaus J. Newman, Robyn Huber, Sarah Hewitt, Timothy J. Stanek, Andrew M Arsham, Christopher E. Ellison, Jacqueline Wittke-Thompson, Rachel Sterne-Marr, **Chinmay P. Rele** *Drosophila erecta* (*DereCAF1*) – *Ilp3* 2022
154. Alyssa Koehler, Amun Uppal, Jasmine Jones, Christopher E. Ellison, Laura K. Reed, **Chinmay P. Rele** *Drosophila hydei* (*DhydGB1*) – *Dsor1* 2022
153. Annie Backlund, Bobbi Herrera, Charleen Mascote, Jennifer E. Baglia, Leon Laskowski, Omar Paramo, Brian Yowler, Jacqueline Wittke-Thompson, **Chinmay P. Rele** *Drosophila suzukii* (*DsuzGB1*) – *raptor* 2022
152. Abigail (Abby) Myers, Caroline Schwab, Elias Figueroa-Mego, Madison Zufall, Lindsey J. Long, Mollie Manier, **Chinmay P. Rele** *Drosophila erecta* (*DereCAF1*) – *foxo* 2022
151. Jhilam Dasgupta, Emile Moura Coehlo da Silva, Joshua Williams, Jacqueline Wittke-Thompson, Joyce Stamm, **Chinmay P. Rele** *Drosophila ananassae* (*DanaCAF1*) – *Thor* 2022
150. Abigail (Abby) Myers, Alexa Hokenstad, Mindy Natysin, Andrew M Arsham, Joyce Stamm, **Chinmay P. Rele** *Drosophila ananassae* (*DanaCAF1*) – *Myc* 2022
149. Rachael Cowan, Nazneen Mujeeb, Robyn Huber, Andrew M Arsham, Vidya Chandrasekaran, **Chinmay P. Rele** *Drosophila ananassae* (*DanaCAF1*) – *Ilp4* 2022
148. Jhilam Dasgupta, Emile Moura, Gregory Sileo, Joyce Stamm, Thomas C. Giarla, **Chinmay P. Rele** *Drosophila yakuba* (*DyakCAF1*) – *Thor* 2022
147. Annie Backlund, Janelle Suriaga, John Pulford, Jonas Nielsen, Jordan Pyle, Shadrian McDaniel, Jacqueline Wittke-Thompson, Jeffrey S. Thompson, **Chinmay P. Rele** *Drosophila eugracilis* (*DeugGB2*) – *raptor* 2022
146. Rachael Cowan, Abigail (Abby) Myers, Rae A. Lucas, Shayan Amir-Kabirian, Win-Si Hon, Claudia Uhde-Stone, Jacqueline Wittke-Thompson, **Chinmay P. Rele** *Drosophila ficusphila* (*DficGB2*) – *Ilp5* 2022
145. Abigail (Abby) Myers, Anna Grace Price, Cristina Guterrez, Owen Roth, Shelby Brooks Mills, James J. Youngblom, Laura K. Reed, **Chinmay P. Rele** *Drosophila grimshawi* (*DgriCAF1*) – *Tor* 2022
144. Alyssa Koehler, Chase Berberich, Priya Vaid, Sakura Mashiko, Christopher E. Ellison, Lindsey J. Long, **Chinmay P. Rele** *Drosophila kikkawai* (*DkikGB2*) – *Dsor1* 2022
143. Alyssa Koehler, Emma Saey, Hannah Ewing, Zachary Mearse, Laura K. Reed, Lindsey J. Long, **Chinmay P. Rele** *Drosophila persimilis* (*DperCAF1*) – *Dsor1* 2022
142. Madison Sharp, , Joyce Stamm, Laura K. Reed, **Chinmay P. Rele** *Drosophila mojavensis* (*DmojCAF1*) – *Tor* 2022
141. Alyssa Koehler, Braden Nicholson, Evan Heidenreich, Nicklaus J. Newman, Timothy J. Stanek, Christopher E. Ellison, Lindsey J. Long, **Chinmay P. Rele** *Drosophila pseudoobscura* (*DpseGB3*) – *Dsor1* 2022
140. Bailey Lose, Jeremy Girard, Josephine Hayes, Lane Weast, James J. Youngblom, Lindsey J. Long, **Chinmay P. Rele** *Drosophila yakuba* (*DyakCAF1*) – *eIF4E1* 2022
139. Ryan, James O'Brien, Gregory Sileo, Mollee Cohee, Laura K. Reed, Thomas C. Giarla, **Chinmay P. Rele** *Drosophila willistoni* (*DwilCAF1*) – *Rheb* 2022
138. Cole Kiser, Ashley , A'Kia Walker, Gregory Sileo, James J. Youngblom, Thomas C. Giarla, **Chinmay P. Rele** *Drosophila simulans* (*DsimGB2*) – *Rheb* 2022
137. Annie Backlund, Rachael Cowan, Gregory Sileo, Jessica Courchene, Madisen Tucker, Martine Boetto, Jacqueline Wittke-Thompson, Thomas C. Giarla, **Chinmay P. Rele** *Drosophila ananassae* (*DanaCAF1*) – *raptor* 2022
136. McKenzie Chamberlain, Caroline Schwab, Anna Grace Price, Clairine I.S. Larsen, Jeffrey S. Thompson, Laura K. Reed, Thomas C. Giarla, **Chinmay P. Rele** *Drosophila erecta* (*DereCAF1*) – *Thor* 2022
135. Leon Laskowski, Alexa Valencia-Corona, Allysa Gonzales, Leslie Delgado, Jacqueline Wittke-Thompson, James J. Youngblom, **Chinmay P. Rele** *Drosophila erecta* (*DereCAF1*) – *step* 2022
134. Abigail (Abby) Myers, Luis Rangel, Victoria Ramage, Claudia Uhde-Stone, Jamie Siders, **Chinmay P. Rele** *Drosophila arizonae* (*DariGB1*) – *cnk* 2022
133. Megan Lawson, Dharm Vekaria, Samantha Hoffman, Laura K. Reed, Nikolaos Tsotakos, **Chinmay P. Rele** *Drosophila yakuba* (*DyakCAF1*) – *wrd* 2022
132. Graham Jones, Ian Alberts, Savannah Fondse, James J. Youngblom, Joyce Stamm, Laura K. Reed, **Chinmay P. Rele** *Drosophila virilis* (*DvirCAF1*) – *Tsc1* 2022
131. Madison Sharp, Corinne Croslyn, Savannah Fondse, James J. Youngblom, Joyce Stamm, **Chinmay P. Rele** *Drosophila pseudoobscura* (*DpseGB3*) – *Tsc1* 2022
130. Sean Shelley-Tremblay, Alyssa Koehler, , Andrew M Arsham, James J. Youngblom, **Chinmay P. Rele** *Drosophila pseudoobscura* (*DpseGB3*) – *Rheb* 2022
129. Leon Laskowski, Clairine I.S. Larsen, Madeline Mcabee, Jeffrey S. Thompson, Scott Tanner, **Chinmay P. Rele** *Drosophila pseudoobscura* (*DpseGB3*) – *mts* 2022
128. Leon Laskowski, Arisha Tariq, Sarah E. Arnold, Sibgha Amin, Geoffrey D. Findlay, Nikolaos Tsotakos, **Chinmay P. Rele** *Drosophila pseudoobscura* (*DpseGB3*) – *Mipp2* 2022
127. Rachael Cowan, Brittany Saliccioli, Priya Vaid, Timothy J. Stanek, Christopher E. Ellison, Scott Tanner, **Chinmay P. Rele** *Drosophila pseudoobscura* (*DpseGB3*) – *Ilp5* 2022



126. Leon Laskowski, Catheryn Opperman, Robyn Huber, Andrew M Arsham, Stephanie Toering-Peters, **Chinmay P. Rele** *Drosophila pseudoobscura* (DpseGB3) – Ilp3 2022
125. Alyssa Koehler, Benjamin Chen, Bronwyn Boyd, Caroline Xiong, Eliza Rossmann, Isaac Romo, Sydney Kuehn, Amy T. Hark, Catherine Reinke, James J. Youngblom, **Chinmay P. Rele** *Drosophila pseudoobscura* (DpseGB3) – GlyS 2022
124. Leon Laskowski, Claire Coble, Greta Leissa, Harper O. W. Wallace, Indrani Bose, Jeffrey S. Thompson, **Chinmay P. Rele** *Drosophila pseudoobscura* (DpseGB3) – cnk 2022
123. Jhilam Dasgupta, Emile Moura Coehlo da Silva, Lucas Nelson, Manshi Zhou, Shu Hui Lye, Jeffrey S. Thompson, Joyce Stamm, Laura K. Reed, **Chinmay P. Rele** *Drosophila mojavensis* (DmojCAF1) – Thor 2022
122. Graham Jones, D'Andrew L. Harrington, Zachary Lill, Amy T. Hark, Chelsey McKenna, **Chinmay P. Rele** *Drosophila ananassae* (DanaCAF1) – Pten 2022
121. Leon Laskowski, D'Andrew L. Harrington, Maddie McCutcheon, Nikki Moreno, Laura K. Reed, **Chinmay P. Rele** *Drosophila mojavensis* (DmojCAF1) – sima 2022
120. Leon Laskowski, Derek Long, Ethan Baron, Gregory Sileo, Hannah Logsdon, Raubie Raiford, Sam Wong, Laura K. Reed, Mollie Manier, Thomas C. Giarla, **Chinmay P. Rele** *Drosophila mojavensis* (DmojCAF1) – sgg 2022
119. Cole Kiser, Hannah Congleton, John Pulford, Jonas Nielsen, Leon Laskowski, Meghan RT, Jacqueline Wittke-Thompson, Jeffrey S. Thompson, Laura K. Reed, **Chinmay P. Rele** *Drosophila mojavensis* (DmojCAF1) – raptor 2022
118. Abigail (Abby) Myers, Clairine I.S. Larsen, Lucas Nelson, Sydney L. Nyquist, Jeffrey S. Thompson, Laura K. Reed, **Chinmay P. Rele** *Drosophila mojavensis* (DmojCAF1) – Ilp7 2022
117. Jhilam Dasgupta, Emile Moura Coehlo da Silva, Joshua Williams, Jacqueline Wittke-Thompson, Joyce Stamm, **Chinmay P. Rele** *Drosophila kikkawai* (DkikGB2) – Thor 2022
116. Leon Laskowski, Gregory Sileo, McKenzie Chamberlain, Laura K. Reed, Thomas C. Giarla, **Chinmay P. Rele** *Drosophila kikkawai* (DkikGB2) – sgg 2022
115. Annie Backlund, Ines Martinand, Jorge Perez, Leon Laskowski, Meagan E. McBurney, Brian Yowler, Jacqueline Wittke-Thompson, Laura K. Reed, **Chinmay P. Rele** *Drosophila kikkawai* (DkikGB2) – raptor 2022
114. Rachael Cowan, Emily Yang, Miryam Perez, Andrew M Arsham, Jacqueline Wittke-Thompson, **Chinmay P. Rele** *Drosophila kikkawai* (DkikGB2) – Ilp5 2022
113. Caroline Schwab, Bailey Lose, Helen William, Joyce Stamm, Laura K. Reed, **Chinmay P. Rele** *Drosophila kikkawai* (DkikGB2) – chico 2022
112. Rachael Cowan, Marayan Ibrahim, Andrew M Arsham, Jacqueline Wittke-Thompson, **Chinmay P. Rele** *Drosophila hydei* (DhydGB1) – Ilp5 2022
111. Jhilam Dasgupta, Anna Ren, Carissa Stoudt, Clairine I.S. Larsen, Frances Sunga, Lauren Archer, Sarini Saksena, Sydney Nyquist, Jeffrey S. Thompson, Laura K. Reed, Mollie Manier, **Chinmay P. Rele** *Drosophila grimshawi* (DgriCAF1) – Thor 2022
110. Bailey Lose, John Pulford, Jonas Nielsen, Leon Laskowski, Luke Laschober, Sydney Butterfield, Jacqueline Wittke-Thompson, Jeffrey S. Thompson, **Chinmay P. Rele** *Drosophila grimshawi* (DgriCAF1) – raptor 2022
109. Megan Lawson, Brandon Ruscoe, George Njuguna, Michelle Aguilar-Medina, Sarah Raab, Amy T. Hark, Eve Mellgren, Natalie Minkovsky, **Chinmay P. Rele** *Drosophila sechellia* (DsecCAF1) – foxo 2022
108. Graham Jones, Megan Lawson, Austin Young, Drew Sims, Megan Runion, Olivia Briggs, Indrani Bose, Lindsey J. Long, Solomon Tin Chi Chak, **Chinmay P. Rele** *Drosophila simulans* (DsimGB2) – ImpL2 2022
107. Megan Lawson, Jessica Odum, Luisa Cortes, Natalie Vasconez, Ann Corsi, Brian Schwartz, **Chinmay P. Rele** *Drosophila willistoni* (DwilCAF1) – lin-28 2022
106. Megan Lawson, Alexa Hokenstad, Isabel Wellik, Nhi Vuong, Andrew M Arsham, Jeffrey S. Thompson, Joyce Stamm, **Chinmay P. Rele** *Drosophila pseudoobscura* (DpseGB3) – Myc 2022
105. Graham Jones, Daniil Mudrov, Nicklaus J. Newman, Timothy J. Stanek, Christopher E. Ellison, Claudia Uhde-Stone, **Chinmay P. Rele** *Drosophila erecta* (DereCAF1) – Sin1 2022
104. Leon Laskowski, Gregory Sileo, Kelsey Runge, Laura K. Reed, Thomas C. Giarla, **Chinmay P. Rele** *Drosophila grimshawi* (DgriCAF1) – melt 2022
103. Rachael Cowan, Sean Kusche, Jacqueline Wittke-Thompson, Thomas C. Giarla, **Chinmay P. Rele** *Drosophila grimshawi* (DgriCAF1) – Ilp5 2022
102. Rachael Cowan, Betty Duan, Bronwyn Boyd, Eliza Herrenkohl, Olivia Edgington, Rachel Berryman, Catherine Reinke, Melinda Yang, **Chinmay P. Rele** *Drosophila grimshawi* (DgriCAF1) – GlyS 2022
101. Madison Sharp, Grace Keirn, , Amy T. Hark, Laura K. Reed, **Chinmay P. Rele** *Drosophila grimshawi* (DgriCAF1) – foxo 2022
100. McKenzie Chamberlain, Annika Rowland, Bethany Paris, Erica Hallman, Kyungyoon Yoo, Susane Mihigo, Jennifer Kennel, Laura K. Reed, Lindsey J. Long, **Chinmay P. Rele** *Drosophila grimshawi* (DgriCAF1) – Akt 2022
99. Ryan, Anna Grace Price, Trisha Patel, Jennifer Mierisch, Laura K. Reed, **Chinmay P. Rele** *Drosophila ficusphila* (DficGB2) – Thor 2022
98. Ryan, Anna Grace Price, Emile Moura Coehlo da Silva, Joyce Stamm, Laura K. Reed, **Chinmay P. Rele** *Drosophila eugracilis* (DeugGB2) – Tor 2022
97. Jhilam Dasgupta, , Jeffrey S. Thompson, Joyce Stamm, **Chinmay P. Rele** *Drosophila eugracilis* (DeugGB2) – Thor 2022

96. Rachael Cowan, Amun Uppal, Clairine I.S. Larsen, Nicole S. Torosin, Christopher E. Ellison, Jeffrey S. Thompson, **Chinmay P. Rele** *Drosophila eugracilis* (DeugGB2) – *Ilp4* 2022
95. Sean Shelley-Tremblay, Alyssa Koehler, Benjamin Chen, Emily Tiedemann, Amy T. Hark, Catherine Reinke, **Chinmay P. Rele** *Drosophila eugracilis* (DeugGB2) – *GlyS* 2022
94. Leon Laskowski, Emily DeMaso, Fijabi Oluwatobi, John Yordy, Manshi Zhou, Meghan Donahue, Ryan Issa, Sean Shelley-Tremblay, Geoffrey D. Findlay, Jeffrey S. Thompson, Laura K. Reed, **Chinmay P. Rele** *Drosophila eugracilis* (DeugGB2) – *Cul1* 2022
93. McKenzie Chamberlain, Viraj Nadkarni, Zachary Lill, Zixhuan Zhang, Amy T. Hark, Jennifer Kennel, **Chinmay P. Rele** *Drosophila hydei* (DhydGB1) – *Akt* 2022
92. Annie Backlund, Brittany Cook, Jenna Anderson, John Pulford, Jonas Nielsen, Michelle Robert, Jacqueline Wittke-Thompson, Jeffrey S. Thompson, **Chinmay P. Rele** *Drosophila erecta* (DereCAF1) – *raptor* 2022
91. Leon Laskowski, Eliza Herrenkohl, Isabel Wellik, Jeffrey S. Thompson, Melinda Yang, **Chinmay P. Rele** *Drosophila erecta* (DereCAF1) – *Lst8* 2022
90. Leon Laskowski, Brittany Saliccioli, Miryam Perez, Sarah Hewitt, Jeffrey S. Thompson, Rachel Sterne-Marr, Scott Tanner, **Chinmay P. Rele** *Drosophila erecta* (DereCAF1) – *Ilp5* 2022
89. Bailey Lose, Clairine I.S. Larsen, Robyn Huber, Andrew M Arsham, Jeffrey S. Thompson, **Chinmay P. Rele** *Drosophila erecta* (DereCAF1) – *Ilp4* 2022
88. Bailey Lose, Ezabel Castro, Simon Mooney, Travis Glover, James J. Youngblom, Lindsey J. Long, **Chinmay P. Rele** *Drosophila erecta* (DereCAF1) – *elF4E1* 2022
87. Jhila Dasgupta, , Jacqueline Wittke-Thompson, Laura K. Reed, **Chinmay P. Rele** *Drosophila arizonae* (DariGB1) – *Thor* 2022
86. Abigail (Abby) Myers, Brandon Tran, Isabel Wellik, Andrew M Arsham, Jeffrey S. Thompson, **Chinmay P. Rele** *Drosophila grimshawi* (DgriCAF1) – *Myc* 2022
85. Abigail (Abby) Myers, Caroline Schwab, Sean Kusche, Lindsey J. Long, Thomas C. Giarla, **Chinmay P. Rele** *Drosophila arizonae* (DariGB1) – *foxo* 2022
84. Abigail (Abby) Myers, Betty Duan, Eliza Herrenkohl, Isabel Wellik, Jeffrey S. Thompson, Melinda Yang, **Chinmay P. Rele** *Drosophila grimshawi* (DgriCAF1) – *Lst8* 2022
83. Abigail (Abby) Myers, Amber Marie Richardson, Isaac Romo, James J. Youngblom, Laura K. Reed, **Chinmay P. Rele** *Drosophila ananassae* (DanaCAF1) – *GlyS* 2022
82. Annie Backlund, Hannah Shaver, Viet Le, Amy T. Hark, Lindsey J. Long, **Chinmay P. Rele** *Drosophila ananassae* (DanaCAF1) – *foxo* 2022
81. Grace Keirn, Alyssa Koehler, Clairine I.S. Larsen, Meghan Williams, James J. Youngblom, Jeffrey S. Thompson, **Chinmay P. Rele** *Drosophila erecta* (DereCAF1) – *Pi3K21B* 2022
80. Alyssa Koehler, India Ellison, Vy Lam, John Stanga, Norma Velazquez, **Chinmay P. Rele** *Drosophila sechellia* (DsecCAF1) – *Pdk1* 2022
79. Abigail (Abby) Myers, Jonah Silverman, Mary Galvan, Rachel Choate, Amy T. Hark, James J. Youngblom, **Chinmay P. Rele** *Drosophila pseudoobscura* (DpseGB3) – *srl* 2022
78. Abigail (Abby) Myers, Annemarie Lucy Knutson, Brenda Mwangi, Rojina Razlansari, Cindy Wolfe, Nikolaos Tsotakos, **Chinmay P. Rele** *Drosophila grimshawi* (DgriCAF1) – *Mipp2* 2022
77. Gabriella (Gabbie) Bicanovsky, Eleanora Robinson, Evan Merkhofer, Laura K. Reed, **Chinmay P. Rele** *Drosophila grimshawi* (DgriCAF1) – *Fmr1* 2022
76. Gabriella (Gabbie) Bicanovsky, , **Chinmay P. Rele** *Drosophila simulans* (DsimGB2) – *Pten* 2022
75. Graham Jones, Joel Z. Phillip, Reilly Brandt, Laura K. Reed, Solomon Tin Chi Chak, **Chinmay P. Rele** *Drosophila grimshawi* (DgriCAF1) – *STUB1* 2022
74. Graham Jones, Manshi Zhou, Ryan Issa, Trisha Patel, Jeffrey S. Thompson, Jennifer Mierisch, **Chinmay P. Rele** *Drosophila grimshawi* (DgriCAF1) – *Cul1* 2022
73. Megan Lawson, Anny S. León, Gregory Sileo, Shuangying Yu, Thomas C. Giarla, **Chinmay P. Rele** *Drosophila serrata* (DserGB1) – *Ilp7* 2022
72. Megan Lawson, Cory Ross, Gregory Sileo, Shuangying Yu, Thomas C. Giarla, **Chinmay P. Rele** *Drosophila rhopaloea* (DrhoGB2) – *Ilp7* 2022
71. Gabriella (Gabbie) Bicanovsky, Aidan Long, Ann-Marie Morales, Sri Jothisna Korrapati, Chunguang Du, Lindsey J. Long, **Chinmay P. Rele** *Drosophila sechellia* (DsecCAF1) – *S6k* 2022
70. Alyssa Koehler, Alexa Hoffmann, Hannah Logsdon, Isabel Wellik, Nhi Vuong, Andrew M Arsham, Jeffrey S. Thompson, Joyce Stamm, Laura K. Reed, **Chinmay P. Rele** *Drosophila mojavensis* (DmojCAF1) – *Myc* 2022
69. Megan Lawson, Alexa Hokenstad, Isabel Wellik, Jeffrey S. Thompson, Joyce Stamm, **Chinmay P. Rele** *Drosophila eugracilis* (DeugGB2) – *Myc* 2022
68. Graham Jones, Alejandra Moreno, Cody Reece Puckett, Natalie Ball, Cindy Wolfe, Claudia Uhde-Stone, **Chinmay P. Rele** *Drosophila simulans* (DsimGB2) – *Mipp2* 2022
67. Graham Jones, Catherine Gordon, Olivia Boyea, Veronica Cheryl Gomes, Ann Corsi, Jennifer Kennel, **Chinmay P. Rele** *Drosophila willistoni* (DwilCAF1) – *Sdr* 2022

66. Gabriella (Gabbie) Bicanovsky, Evan N. Bennett, Rebecca M. McSweeney, Zachary Lill, Amy T. Hark, Geoffrey D. Findlay, Shallee T. Page, **Chinmay P. Rele** *Drosophila ananassae* (DanaCAF1) – GlyP 2022
65. Megan Lawson, Clairine I.S. Larsen, Madeline Mcabee, Jeffrey S. Thompson, Scott Tanner, **Chinmay P. Rele** *Drosophila grimshawi* (DgriCAF1) – mts 2022
64. Megan Lawson, Clairine I.S. Larsen, Madeline Mcabee, Jeffrey S. Thompson, Scott Tanner, **Chinmay P. Rele** *Drosophila mojavensis* (DmojCAF1) – mts 2022
63. Gabriella (Gabbie) Bicanovsky, James Octaviano Green, Joseph I. Kaluzny, James J. Youngblom, Laura K. Reed, **Chinmay P. Rele** *Drosophila yakuba* (DyakCAF1) – melt 2022
62. Gabriella (Gabbie) Bicanovsky, Alex Thomas, Heidi Jane Johnson-Pipkin, Andrew M Arsham, Laura K. Reed, **Chinmay P. Rele** *Drosophila willistoni* (DwilCAF1) – Myc 2022
61. James O'Brien, Ryan, Jeremiah Severn, Martina Kotrba, Christine Fleet, Jacqueline Wittke-Thompson, **Chinmay P. Rele** *Drosophila eugracilis* (DeugGB2) – Ilp3 2022
60. Gabriella (Gabbie) Bicanovsky, Isabel Wellik, Kayli Lucas, Madison Sidote, Sidney Harris, Jeffrey S. Thompson, Laura K. Reed, **Chinmay P. Rele** *Drosophila eugracilis* (DeugGB2) – Lst8 2022
59. Madison Sharp, Alyssa Koehler, Emily Myers, Taje' Woods, Zachary Heim, Laura K. Reed, Lindsey J. Long, **Chinmay P. Rele** *Drosophila yakuba* (DyakCAF1) – Akt 2022
58. Jamarus Monroe, Afrah Mohamednur, Erin Sexsmith, Ivy Johnson, Otilia Murariu, Cindy Wolfe, Nikolaos Tsotakos, **Chinmay P. Rele** *Drosophila mojavensis* (DmojCAF1) – Mipp2 2022
57. Alyssa Koehler, Amun Uppal, Julia Davila, Nicole S. Torosin, Sommers Bowker, Christopher E. Ellison, Lindsey J. Long, **Chinmay P. Rele** *Drosophila suzukii* (DsuzGB1) – Dsor1 2022
56. Alyssa Koehler, Julia Davila, Priya Vaid, Sommers Bowker, Christopher E. Ellison, Lindsey J. Long, **Chinmay P. Rele** *Drosophila yakuba* (DyakCAF1) – Dsor1 2022
55. Ryan, Cristina Guterrez, Zachary Lill, Amy T. Hark, James J. Youngblom, **Chinmay P. Rele** *Drosophila erecta* (DereCAF1) – Tor 2022
54. Annie Backlund, Gregory Sileo, Jessica Courchene, Madisen Tucker, Martine Boetto, Jacqueline Wittke-Thompson, Laura K. Reed, **Chinmay P. Rele** *Drosophila yakuba* (DyakCAF1) – raptor 2022
53. Leon Laskowski, Cristina Guterrez, Trisha Patel, James J. Youngblom, Jennifer Mierisch, **Chinmay P. Rele** *Drosophila simulans* (DsimGB2) – Tor 2022
52. Aidan Long, Abigail (Abby) Myers, Alyssa Coley, Hanah Mastandrea, Jacqueline Wittke-Thompson, Laura K. Reed, **Chinmay P. Rele** *Drosophila ananassae* (DanaCAF1) – tgo 2022
51. Aidan Long, Abigail (Abby) Myers, Abigail Giunta, Jorge Perez, Jacqueline Wittke-Thompson, Laura K. Reed, **Chinmay P. Rele** *Drosophila buskii* (DbusGB1) – tgo 2022
50. Gabriella (Gabbie) Bicanovsky, Gregory Sileo, Jennifer Fortunato, Laura K. Reed, Thomas C. Giarla, **Chinmay P. Rele** *Drosophila virilis* (DvirCAF1) – melt 2022
49. Gabriella (Gabbie) Bicanovsky, Abby Laskowski, McKenzie Chamberlain, Samantha Hoffman, Laura K. Reed, Paula Croonquist, **Chinmay P. Rele** *Drosophila sechellia* (DsecCAF1) – Myc 2022
48. Annie Backlund, Abigail (Abby) Myers, Alexia Abric, Sean Kusche, Shan Hays, Thomas C. Giarla, **Chinmay P. Rele** *Drosophila ananassae* (DanaCAF1) – Ilp8 2022
47. Jamarus Monroe, Abigail (Abby) Myers, Jonah Silverman, Kenyanna Williams, Amy T. Hark, Laura K. Reed, **Chinmay P. Rele** *Drosophila yakuba* (DyakCAF1) – HDAC4 2022
46. James O'Brien, Alyssa Koehler, Alejandro Almazan, Harper O. W. Wallace, Katheryn Opperman, Robyn Huber, Andrew M Arsham, Jacqueline Wittke-Thompson, Stephanie Toering-Peters, **Chinmay P. Rele** *Drosophila ananassae* (DanaCAF1) – Ilp3 2022
45. Megan Lawson, Madeline Mcabee, Rae A. Lucas, Jacqueline Wittke-Thompson, Scott Tanner, **Chinmay P. Rele** *Drosophila ananassae* (DanaCAF1) – Ilp5 2022
44. Gabriella (Gabbie) Bicanovsky, Cassidy McColl, Karolina Senkow, Jennifer Mierisch, Laura K. Reed, **Chinmay P. Rele** *Drosophila mojavensis* (DmojCAF1) – Sik3 2022
43. Anna Grace Price, Alyssa Koehler, Gurjoban Hayer, Jaskamaldip Kaur, Nancy Jing, Anya Goodman, James J. Youngblom, **Chinmay P. Rele** *Drosophila pseudoobscura* (DpseGB3) – dock 2022
42. Rachael Cowan, Alyssa Koehler, Clairine I.S. Larsen, Robyn Huber, Shelby Brooks, Andrew M Arsham, Jeffrey S. Thompson, Laura K. Reed, **Chinmay P. Rele** *Drosophila grimshawi* (DgriCAF1) – Ilp4 2022
41. Gabriella (Gabbie) Bicanovsky, , **Chinmay P. Rele** *Drosophila suzukii* (DsuzGB1) – ImpL2 2022
40. Graham Jones, Erin Capper, Gurjoban Hayer, Kelsie L. Schiefelbein, Kyla M. Chavez, James J. Youngblom, Lindsey J. Long, Stephanie Toering-Peters, **Chinmay P. Rele** *Drosophila erecta* (DereCAF1) – dock 2022
39. Graham Jones, Jordan Gonseth, Robert Costin, Sarah Raab, Shammah Emmanuel Udoudo, Amy T. Hark, John Stanga, Zeynep Ozsoy, **Chinmay P. Rele** *Drosophila serrata* (DserGB1) – foxo 2022
38. Graham Jones, Jorge Perez, Samantha Hoffman, Jacqueline Wittke-Thompson, Laura K. Reed, **Chinmay P. Rele** *Drosophila grimshawi* (DgriCAF1) – tgo 2022

37. Graham Jones, John David Gaddis, Phoebe Dunn, Sarah Raab, Taryn Glentzer, Amy T. Hark, John Stanga, Zeynep Ozsoy, **Chinmay P. Rele** *Drosophila obscura* (DobsGB1) – foxo 2022
36. Megan Lawson, Madeline Hall, Madison Sharp, Laura K. Reed, **Chinmay P. Rele** *Drosophila grimshawi* (DgriCAF1) – Pdk1 2022
35. Megan Lawson, Bailey Lose, Heather Bline, Jamie Sider-Sanford, Laura K. Reed, **Chinmay P. Rele** *Drosophila takahashii* (DtakGB2) – chico 2022
34. Alyssa Koehler, Aaron Abizadeh, Madeline Cesarone, Laura K. Reed, Solomon Tin Chi Chak, **Chinmay P. Rele** *Drosophila willistoni* (DwilCAF1) – melt 2022
33. Megan Lawson, Gabriella (Gabbie) Bicanovsky, Alexandria Nicolaus, Eden Dowell, Jordan Elkinton, Sean Shelley-Tremblay, Laura K. Reed, Lindsey J. Long, Stephanie Toering-Peters, **Chinmay P. Rele** *Drosophila eugracilis* (DeugGB2) – dock 2022
32. Graham Jones, Sean Kusche, Shanzay Kahn, Solomon Tin Chi Chak, Thomas C. Giarla, **Chinmay P. Rele** *Drosophila grimshawi* (DgriCAF1) – Pp2A-29B 2022
31. Gabriella (Gabbie) Bicanovsky, Alyssa Koehler, John Yordy, Sydney Carlson, Indrani Bose, Laura K. Reed, **Chinmay P. Rele** *Drosophila persimilis* (DperCAF1) – Lnk 2022
30. Alyssa Koehler, McKenzie Chamberlain, Shu Hui Lye, Laura K. Reed, **Chinmay P. Rele** *Drosophila mojavnensis* (DmojCAF1) – Pdk1 2022
29. Gabriella (Gabbie) Bicanovsky, Isabel Wellik, John Yordy, Jeffrey S. Thompson, Laura K. Reed, **Chinmay P. Rele** *Drosophila biarmipes* (DbiaGB2) – Myc 2022
28. Graham Jones, Blaire Borisoff, Kevin Ziegler, Maria Sanchez, Juan C. Martinez-Cruzado, Laura K. Reed, **Chinmay P. Rele** *Drosophila mojavnensis* (DmojCAF1) – melt 2022
27. Jamaricus Monroe, Abbie Myers, Heidi Jane Johnson-Pipkin, Isabel Wellik, Andrew M Arsham, Jeffrey S. Thompson, Laura K. Reed, **Chinmay P. Rele** *Drosophila erecta* (DereCAF1) – Myc 2022
26. Gabriella (Gabbie) Bicanovsky, , **Chinmay P. Rele** *Drosophila suzukii* (DsuzGB1) – GlyP 2022
25. Gabriella (Gabbie) Bicanovsky, , **Chinmay P. Rele** *Drosophila virilis* (DvirCAF1) – Impl2 2022
24. Gabriella (Gabbie) Bicanovsky, Ali Jade Miller, Lauri Weinkauff, John Stanga, Laura K. Reed, **Chinmay P. Rele** *Drosophila serrata* (DserGB1) – sgg 2022
23. Megan Lawson, Bryan Roy, Jason Cunha, Robyn Huber, Thomas Huffman, Andrew M Arsham, Geoffrey D. Findlay, **Chinmay P. Rele** *Drosophila ananassae* (DanaCAF1) – DENR 2022
22. Grace Keirn, Cole Kiser, Leon Laskowski, Bethany Paris, Brandon Tran, Emmanuel Garcia-Villar, Gladys Uwerha Mihigo, Laura Vidano, Andrew M Arsham, Jennifer Kennel, Lindsey J. Long, **Chinmay P. Rele** *Drosophila ananassae* (DanaCAF1) – Akt 2022
21. Jamaricus Monroe, Ashley Morgan, Erin Capper, Laura K. Reed, Stephanie Toering-Peters, **Chinmay P. Rele** *Drosophila ficusphila* (DficGB2) – dock 2022
20. Caroline Schwab, Aaron Nadall, David Stevenson, Emily Holmquist, Gladys Uwerha Mihigo, Liliane Kalisa, Andrew M Arsham, Jennifer Kennel, Lindsey J. Long, **Chinmay P. Rele** *Drosophila erecta* (DereCAF1) – Akt 2022
19. Ashley , Jhila Dasgupta, Andrea Tellez, Emily Myers, Esperanza Garcia, Taje' Woods, Jennifer Kennel, Lindsey J. Long, **Chinmay P. Rele** *Drosophila buskii* (DbusGB1) – Akt 2022
18. Madison Sharp, , Amy T. Hark, Jennifer Kennel, Lindsey J. Long, **Chinmay P. Rele** *Drosophila arizonae* (DariGB1) – Akt 2022
17. Grace Keirn, Cole Kiser, Leon Laskowski, Benjamin Chen, Gladys Uwerha Mihigo, Jaewon Kang, Joshua Lacoste, Amy T. Hark, Jennifer Kennel, Lindsey J. Long, **Chinmay P. Rele** *Drosophila kikkawai* (DkikGB2) – Akt 2022
16. Madison Sharp, , Amy T. Hark, Juan C. Martinez-Cruzado, **Chinmay P. Rele** *Drosophila miranda* (DmirGB2) – Akt 2022
15. Madison Sharp, , Amy T. Hark, Jennifer Kennel, Lindsey J. Long, **Chinmay P. Rele** *Drosophila virilis* (DvirCAF1) – Akt 2022
14. Madison Sharp, , Jennifer Kennel, Lindsey J. Long, **Chinmay P. Rele** *Drosophila ficusphila* (DficGB2) – Akt 2022
13. Aidan Long, Ashley Braaten, Hanah Mastandrea, Jacqueline Wittke-Thompson, Paula Croonquist, **Chinmay P. Rele** *Drosophila eugracilis* (DeugGB2) – tgo 2022
12. Jamaricus Monroe, Alyssa Shilson, Jacob McManaman, Kellie Agrimson, Paula Croonquist, **Chinmay P. Rele** *Drosophila biarmipes* (DbiaGB2) – Sin1 2022
11. John Yordy, Anthony Marino, Emily Siegler, Franco Rota, Sarah Raab, Amy T. Hark, Jacqueline Wittke-Thompson, **Chinmay P. Rele** *Drosophila sechellia* (DsecCAF1) – trbl 2022
10. Madison Sharp, Grace Keirn, Cole Kiser, Jared Williams, Zachary Heim, James J. Youngblom, Laura K. Reed, **Chinmay P. Rele** *Drosophila yakuba* (DyakCAF1) – Rheb 2022
9. Cole Kiser, Hannah Shaver, Viet Le, Amy T. Hark, Lindsey J. Long, **Chinmay P. Rele** *Drosophila virilis* (DvirCAF1) – foxo 2022
8. Cole Kiser, Adam Smiley, Chris Scotty, Andrew M Arsham, Laura K. Reed, **Chinmay P. Rele** *Drosophila mojavnensis* (DmojCAF1) – Pten 2022
7. Alyssa Koehler, Amun Uppal, Braden Nicholson, Evan Heidenreich, Timothy J. Stanek, Christopher E. Ellison, Lindsey J. Long, **Chinmay P. Rele** *Drosophila erecta* (DereCAF1) – Dsor1 2022
6. McKenzie Chamberlain, Benjamin Chen, Caroline Xiong, Amy T. Hark, James J. Youngblom, **Chinmay P. Rele** *Drosophila erecta* (DereCAF1) – GlyS 2022
5. Sisi Hon, Ashley Morgan, James Byers, Ann Corsi, Laura K. Reed, **Chinmay P. Rele** *Drosophila elegans* (DeleGB2) – Rheb 2022
4. Alyssa Koehler, Madison Eldridge, Nicklaus J. Newman, Timothy J. Stanek, Christopher E. Ellison, Laura K. Reed, **Chinmay P. Rele** *Drosophila elegans* (DeleGB2) – Dsor1 2022



3. Rachael Cowan, Annie Backlund, Sean Kusche, James J. Youngblom, Thomas C. Giarla, **Chinmay P. Rele** *Drosophila erecta* (DereCAF1) – Rheb 2022
2. John Yordy, Anthony Marino, Jasmine Jones, Jacqueline Wittke-Thompson, Laura K. Reed, **Chinmay P. Rele** *Drosophila miranda* (DmirGB2) – trbl 2022
1. D'Andrew Harrington, Hanna Shields, Madison Sidote, Catherine Reinke, Laura K. Reed, **Chinmay P. Rele** *Drosophila takahashii* (DtakGB2) – GlyS 2022

## Mentorship

### Research Mentorship of Undergraduate Students

37. Madeline Lee Gruys; Bemidji State University, Bemidji, MN	Fall 2022 - PRESENT
36. Bethany Claire Lieser; Anoka-Ramsey Community College, Cambridge, MN	Fall 2022 - PRESENT
35. Graham Michael Jones; University of Alabama, Tuscaloosa, AL	Summer 2022 - PRESENT
34. Megan Elizabeth Lawson; University of Alabama, Tuscaloosa, AL	Summer 2022 - PRESENT
33. Gabriella Nicole Bicanovsky; University of Alabama, Tuscaloosa, AL	Summer 2022 - PRESENT
32. Jamarcus Deshaun Monroe; University of Alabama, Tuscaloosa, AL	Summer 2022
31. Jonah Silverman; Muhlenberg College, PA	Fall 2021 - PRESENT
30. Jhila Dasgupta; University of Alabama, Tuscaloosa, AL	Summer 2021 - PRESENT
29. Alyssa Christine Koehler; University of Alabama, Tuscaloosa, AL CURRENT POSITION : Research Specialist, Medical University of South Carolina; Charleston, SC	Summer 2021 - Summer 2022 2023
28. Ashley Morgan; University of Alabama, Tuscaloosa, AL	Summer 2021 - Fall 2021
27. Ryan Dufur; Oklahoma Christian University, OK	Summer 2021
26. James O'Brien; Oklahoma Christian University, OK	Summer 2021
25. Aidan Long; Oklahoma Christian University, OK	Summer 2021
24. Ethan Abizadeh; Yeshiva University, NY	Spring 2021
23. Anne Elizabeth Backlund; University of Alabama, Tuscaloosa, AL	Spring 2021 - PRESENT
22. Jordan Albrecht; University of Alabama, Tuscaloosa, AL	Spring 2021 - PRESENT
21. Allie Jade Miller; University of Alabama, Tuscaloosa, AL	Spring 2021 - Fall 2021
20. Rachel Anne Cowan; University of Alabama, Tuscaloosa, AL	Fall 2020 - Fall 2021
19. Abigail Ruesey; University of Alabama, Tuscaloosa, AL	Fall 2020 - Spring 2021
18. Samantha A. Hoffman; University of Alabama, Tuscaloosa, AL AWARDS : URCA 2021, 1st Place Completed Research	Fall 2020 - Spring 2021
17. Sean Shelley-Tremblay; University of Alabama, Tuscaloosa, AL	Fall 2020 - Fall 2021
16. Ines Martinand; University of Alabama, Tuscaloosa, AL	Fall 2020 - Spring 2021
15. Abbie Anne Giunta; University of Alabama, Tuscaloosa, AL	Fall 2020 - PRESENT
14. John Michael Yordy; University of Alabama, Tuscaloosa, AL	Fall 2020 - PRESENT
13. Leon Filip Laskowski; University of St. Francis, IL CURRENT POSITION : PULSe Ph.D. Candidate, Lyon Lab, Perdue University	Fall 2020 - Summer 2021 2023
12. Abigail Ruth Myers; University of Alabama, Tuscaloosa, AL CURRENT POSITION : Research Technician, Howard Hughes Medical Institute; Ashburn, VA	Summer 2020 - Summer 2022 2023
11. Robyn Huber; Bemidji State University, MN	Summer 2020
10. Bailey Lose; University of Alabama, Tuscaloosa, AL	Spring 2020 - Spring 2021
9. Madison Ashley Sharp; University of Alabama, Tuscaloosa, AL CURRENT POSITION : Bioinformatics Specialist at Georgetown University; Georgetown, D.C.	Spring 2020 - Spring 2021 2023
8. McKenzie Stace Chamberlain; University of Alabama, Tuscaloosa, AL	Spring 2020 - Spring 2023
7. Grace Keirn; University of Alabama, Tuscaloosa, AL	Spring 2020 - Spring 2023
6. Anna-Grace Price; University of Alabama, Tuscaloosa, AL	Spring 2020 - Spring 2022
5. Cole A. Kiser; University of Alabama, Tuscaloosa, AL	Spring 2020 - Spring 2022
4. Michelle Tan; University of Alabama, Tuscaloosa, AL	Spring 2020 - Spring 2021
3. Tyler Hale; University of Alabama, Tuscaloosa, AL	Spring 2020
2. Rohith Kari; Rutgers University, NJ	Summer 2018
1. Eric Chai; Rutgers University, NJ	Summer 2018

## Funding

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