



Stony Brook University

2025 CONVOCATION BIOLOGY AND BIOCHEMISTRY

Processional

The Saffron Kilts

(Audience will please rise until all candidates are seated)

Welcoming Remarks

Professor J. Peter Gergen
Department of Biochemistry and Cell Biology

Convocation Address

Dr. Paul Anderson MD, PhD
BS Biochemistry (1978)
Chief Academic Officer
Mass General Brigham

Presentation of Awards and Honors

University Awards

Professor J. Peter Gergen
Department of Biochemistry and Cell Biology

Honors in Biochemistry

Professor Wali Karzai
Chair, Department of Biochemistry and Cell Biology

Honors in Biology

Professor Alfredo Fontanini
Chair, Department of Neurobiology and Behavior

Irwin Oster Award for
Outstanding Research in Genetics

Professor Nancy Hollingsworth
Department of Neurobiology and Behavior

Outstanding Achievement Awards

Professor J. Peter Gergen
Department of Biochemistry and Cell Biology

Student Speaker

Ms. Heshwin Singh
BS Biology, BS Psychology (2024)

Presentation of Degree Candidates

Master of Arts in Ecology and Evolution
Master of Science in Biochemistry
Master of Science in Neuroscience

Professor Joshua Rest
Chair, Department of Ecology and Evolution

Bachelor of Science in Biochemistry

Professor Wali Karzai
Chair, Department of Biochemistry and Cell Biology

Bachelor of Arts in Biology
Bachelor of Science in Biology
Minor in Biology

Professor Alfredo Fontanini
Chair, Department of Neurobiology and Behavior

Concluding Remarks

Professor J. Peter Gergen
Department of Biochemistry and Cell Biology

Recessional

The Saffron Kilts

(Audience will please rise until platform party and graduates have recessed)

Degree Candidates in Biochemistry and Biology

Masters Candidates

Hannah Avidor
Kai Bou
Julia Dovi
Cameo Frechette
Preet Navi
Alexa Tauriello
Michelle Syty
Georgiana Wood

Bachelors in Biochemistry

Venkata Adabala ^C
Sameer Ahmad
Shaheryar Ahmad ^M
Sumaya Ahmed
Brienna Ahmetaj
Anastasia Akapnitis
Most Ara
Karah Augustin ^C
Tomasz Baginski ^M
Jessica Bamrah
Alexandra Bassetta
Jacqueline Bohk ^C
Kai Bou ^P
Jerome Cai ^M
Jackson Cantelmo
Jane Chen ^{P S}
Kevin Chen
Jenny Cheung
Hansol Chong
Dayelin Cifuentes
Alyssa Costello ^M
Kevin Coughlin ^{P M}
Destiny Cox
Wil Cruz-Ruiz
Philip Deng ^C
Hunter Divello ^S
Lana El-Choum
Chloe Engdor
Ama Fernando ^C
Amy Fishwick
Yang Gao
Hannah Geller
Shawn Geotina
Joseph Geraci
Marileidy Gonzalez Rivera
Alexis Gutierrez
Windy Huang

Jack Indelicato
Christian Jean-Pierre
Aejin Jeong
Stacey Jiang ^C
Michelle Kaplan ^C
Harleen Kaur
Lianna Kellndorfer ^S
Sahaana Kesavan ^{P S}
Hassan Khan
Ishmam Khan
Ishan Amin Khwaja ^M
Nigina Kirgizbaeva ^S
Gabriella Kolesin
Subashine Kumaran
Andy Kweon
Chaewon Lee
Davin Lee
Noel Lee
Yewon Lee
Christine Li ^M
Derek Li ^M
Limin Li ^{P M}
Grace Lin ^C
Hsin Hua Lin ^{P M}
Linda Lin ^C
William Lin ^C
JingTao Liu
Aanand Mahato ^S
Morgan Meader
Kevin Medeiros
Preesha Mody ^M
Nikolas Murillo
Joshua Nehlsen ^S
Nicole Niculescu
Osama Nureldin
Bernardo Orquera Ortiz
Tashu Patel ^{P S}
Alessandra Porras
Michael Pulle ^{P S}
Rachel Qu ^S
Jivan Ramesh
Shivani Rao
Brooklyn Ratel ^C
Kathryn Ravano ^C
Nikolas Rice
Ahab Rizvi
Gabriela Rodriguez Lopez
Emily Rusielewicz ^M
Tyler Savitz ^M
Colman Shaver ^M
Samantha Sheppard ^C
Jonathan Souferian
Peter Stavros ^M

Amanda Strohm ^M
Brennan Thomann ^S
Andrew Tu
Eesha Uddin
Gabriella Vaccaro ^M
Faye Valmores
Jason Vasquez
David Waknine
Anna Weber
Nethmi Withanage ^S
Tyler Xu
Wet Yang ^C
Mahika Yarram ^M
Faris Zeidan
Kevin Zhao ^M
Rachel Zhao ^{P S}
Tony Zheng
Emily Zhou ^M
Yaping Zhu
Julia Zhu ^S

Bachelors in Biology

Mahmoud Adam
Angelica Aday
Isabella Addeo
Shahzadi Adeena ^C
Simar Ahluwalia
Umar Ahmad
Zarah Alam
Nicole Algierie
Nahian Alhasan
Alina Ali ^M
Hermonie Ali
Sohini Alim ^S
Linzie Alvarez
Leena Alzafarani ^S
Clifford Ambroise
Lila Amer
Blessing Amonoo
Tasmira Anika
Rozaine Anil ^M
Genneses Arevalo
Elizabeth Argiro
Kelly Argueta Guzman
Amina Arif
Mahnoor Arif
Sara Asher
Sofia Assencoa
Victoria Avaricio ^M
Leyla Babayeva ^S

Skylar Bachisin ^S
Harrison Bajracharya
Brodi Bajrami ^M
Adrian Bak ^C
Kayla Baldeo ^C
Sharon Bangiyev
Aidan Barbour
Aaron Bart
Idrees Bedar ^S
Lida Beheshtimaal
Arianna Bellino ^C
Adamaris Benitez
Jazmine Bergancia
Isabella Berger
Lakhan Pratap Bhagrath
Riya Bhat
Sara Blanco
Nistha Boghra ^S
Alexa Boniberger
Ali Bouraouine
Alyssa Brinzensky
Daniella Brooks
Okang Browne
Alice Bubel ^C
Izabela Budzik
Alan Bui ^C
Amanda Busanet
Andrei Bussenault ^M
Scarlett Cabrera
Richard Cabrera
Michelle Caizaguano
Gavriella Camargo ^C
Sophia Camulaire ^M
Daniel Canavin ^C
Erim Canca
Janet Caneli
Corina Cao ^C
Brianna Carrera
Isabella Carson ^C
Maggie Chan
Correen Chan
Angeline Chantly
Christina Charles
Charleeza Chau
Danial Chaudry
Xing Ying Chen ^C
Aaron Chen
Alanna Chen ^M
Chu En Chen ^C
Cynthia Chen
Emily Chen
Ethan Chen ^M
Rachel Chen ^M

Degree Candidates in Biochemistry and Biology

Bachelors in Biology (continued)

<i>Ray Chen</i>	<i>Brittanya Gaynor</i>	<i>Adyan Jalil</i>	<i>Amber Li</i>
<i>Rena Chen</i> ^C	<i>Ava Gebhart</i>	<i>Isabella Janowicz</i> ^M	<i>Chuhong Li</i> ^C
<i>Robert Chen</i> ^S	<i>Alperen Genc</i>	<i>Arooj Javed</i>	<i>Ivy Li</i>
<i>Rong Chen</i>	<i>Alan George</i> ^C	<i>Saba Jawed</i>	<i>Wen Li</i>
<i>Tina Chen</i>	<i>Maythee German</i>	<i>Dezmen Jenkins-Sierra</i>	<i>Wendy Li</i> ^{P S}
<i>Andrew Chen</i>	<i>Sameen Ghaffar</i>	<i>Riddhi Jhaveri</i>	<i>Octavia Liang</i>
<i>Danny Cheng</i>	<i>Sunket Ghotra</i>	<i>Aliya John</i> ^S	<i>Lorely Limeta</i> ^{P M}
<i>Nina Cheng</i> ^M	<i>Skyler Gibson</i>	<i>Jeremiah Johnson</i>	<i>Shirley Lin</i> ^M
<i>Yash Chintawar</i>	<i>Peter Gillespie</i> ^P	<i>Juvin Johnson</i>	<i>Ada Lin</i> ^S
<i>Pranav Chopra</i>	<i>Ilirjana Gocaj</i> ^C	<i>Celina Jones</i>	<i>Alan Lin</i>
<i>Madeline Chu</i>	<i>Justin Gomez</i>	<i>Aditya Joshi</i> ^C	<i>Annie Lin</i>
<i>Joey Cline</i>	<i>Michelle Gomez</i>	<i>Saief Joy</i>	<i>Anthony Liyen Lin</i> ^{P S}
<i>Marie Collison</i> ^C	<i>Jonathan Gorst</i>	<i>Tanzum Kabir</i>	<i>Jasmin Lin</i>
<i>Ashly Contreras</i> ^M	<i>Evaney Griffith</i>	<i>Gazi Kamal</i>	<i>Kai Lin</i>
<i>Destiny Cox</i>	<i>Saket Gudsoorkar</i> ^S	<i>Yifan Kao</i> ^S	<i>Qian Lin</i> ^S
<i>Valentina Cracolici</i> ^C	<i>Alan Joshua Guerrero</i> ^S	<i>Allison Karaburun</i> ^C	<i>Sabrina Lin</i>
<i>Matthew Cruise</i> ^S	<i>Kalsang Gyatso</i>	<i>Barbara Karanikolas</i>	<i>Sabrina Lin</i> ^S
<i>Jonathan Cruz</i> ^S	<i>Casey Ha</i> ^{P M}	<i>Sahar Karimzada</i>	<i>Xinmin Lin</i>
<i>Alyssa Cruz</i>	<i>Farah Haider</i>	<i>Tajinder Kaur</i>	<i>Xinyao Lin</i>
<i>Grace Cutrone</i> ^S	<i>Kamila Halas</i>	<i>Payneet Kaur</i>	<i>Yuxuan Lin</i> ^S
<i>Arda Dalkir</i>	<i>Elsa Halepota</i>	<i>Prabhjit Kaur</i>	<i>Angie Liu</i> ^S
<i>Arnav Das</i>	<i>Ellen Han</i>	<i>Pratiksha Kaur</i> ^S	<i>Julie Liu</i>
<i>Tirza De Vries</i>	<i>Gabrielle Hanna</i> ^S	<i>Saurabh Kaushik</i>	<i>Linxin Liu</i>
<i>Siddhant Desai</i> ^S	<i>Marissa Hanson</i> ^C	<i>Michael Kec</i>	<i>Wendy Liu</i>
<i>Ashmanie Dhanraj</i>	<i>Nabiha Haque</i> ^C	<i>Sarah Khan</i>	<i>Danette Llivicura</i>
<i>Gianny Diaz</i>	<i>Eleni Haralampopoulos</i> ^C	<i>Ishraq Khan</i>	<i>Sol Llivicura</i>
<i>Maya Dickson</i>	<i>Ali-Raza Hassan-Abdi</i>	<i>Sarah Khan</i>	<i>Alexandria Locke</i>
<i>Joradana Dieudonne</i>	<i>Sean Hatzidakis</i> ^M	<i>Kashvi Khanchi</i>	<i>Parthiv Lodh</i>
<i>Matthew Dominguez</i> ^{P M}	<i>Krystal Haye</i>	<i>Nadia Khatami</i> ^C	<i>Alex Lopez</i>
<i>Bridget Donohue</i>	<i>Katherine He</i> ^M	<i>Christopher Khazar</i> ^C	<i>Diana Lopez</i> ^C
<i>Carmella Eads</i>	<i>Anahje Hector</i> ^C	<i>Vasudha Kilambi</i> ^S	<i>Chenyiner Lu</i> ^C
<i>Nihamul Ehan</i>	<i>Spencer Hedges</i> ^M	<i>Ece Kilinc</i>	<i>Gina Lu</i>
<i>Ridita Ekram</i>	<i>Jenni Hernandez</i>	<i>Dongha Kim</i>	<i>Nicholas Lucas</i>
<i>Joshua Elfman</i>	<i>Veronica Hernandez</i>	<i>Heeran Kim</i> ^C	<i>Maysa Mahzabin</i>
<i>Daniel Elias</i> ^M	<i>Iveliz Hernandez</i>	<i>Bryan Kim</i> ^S	<i>Cindy Mai</i>
<i>Nada Elzibk</i>	<i>Brianna Hewitt</i>	<i>Ji In Kim</i> ^C	<i>Nandini Majmudar</i>
<i>Sabrina Eng</i> ^M	<i>Zachary Hirshorn</i> ^S	<i>Yunho Kim</i> ^S	<i>Senali Manuelge</i>
<i>David Euzebe</i>	<i>Spencer Ho</i> ^C	<i>Lillian King</i> ^M	<i>Xander Maqsudlu</i>
<i>Sara Fayed</i>	<i>Tazim Hoque</i>	<i>Alex Koch</i>	<i>Julieta Marino</i>
<i>Nicole Fernandez</i>	<i>Tasnia Hossain</i>	<i>Tania Kodavali</i>	<i>Patrick Mathews</i>
<i>Nicholas Fernandez</i> ^{P S}	<i>Chandrema Hossain</i> ^{P M}	<i>Anirudh Krishnan</i>	<i>Ava Mazzetti</i>
<i>Misaki Figueroa-Himeno</i>	<i>Annie Hsu</i>	<i>Caroline Krueger</i>	<i>Nicholas McCabe</i> ^M
<i>Troy Fiorillo</i> ^S	<i>Katie Hsu</i>	<i>Kashvikhanchi Kumar</i>	<i>Marissa McCandless</i> ^M
<i>Kristina Fiumara</i>	<i>Emily Huang</i> ^M	<i>Cynthia Lam</i>	<i>Kyra McCarthy</i>
<i>Amanda Flynn</i>	<i>Doan Huynh</i> ^C	<i>Tsekyi Lama</i>	<i>Ana McMahon</i> ^C
<i>Alex Foo</i>	<i>Ineesha Imran</i>	<i>Samantha Lankenau</i>	<i>Reese McQueen</i> ^{P S}
<i>Michelle Franco</i>	<i>Rayan Iqbal</i> ^M	<i>Jason Lazo</i> ^C	<i>Nikhil Mehta</i> ^S
<i>Edward Friske</i>	<i>Joshua Isakharov</i> ^S	<i>Kathallen Leal</i>	<i>Natalie Mendez</i>
<i>James Frith</i> ^S	<i>Nahiyan Islam</i>	<i>Carina Lee</i> ^C	<i>Constantine Michaelides</i>
<i>Andrew Fu</i> ^{P S}	<i>Elizabeth Isnardi</i>	<i>David Lee</i> ^C	<i>Jannatul Mim</i>
<i>Drazen Gamas</i>	<i>Grace Jaeger</i>	<i>Davin Lee</i>	<i>Esther Min</i> ^S
<i>Rain Gao</i>	<i>Hibba Jaffri</i> ^C	<i>Emmanuel Lee Woods</i>	<i>David Mizhquiri</i> ^C
<i>Brianna Garcia</i>	<i>Israt Jahan</i>	<i>Elizabeth Levy</i> ^M	<i>Celeste Morales</i>

^P Phi Beta Kappa

^S Summa Cum Laude

^M Magna Cum Laude

^C Cum Laude

Degree Candidates in Biochemistry and Biology

Bachelors in Biology (continued)

<i>Natalee Morales</i>	<i>Madiha Quadri</i>	<i>Ava Sikaroodi</i>	<i>Michelle Weng</i>
<i>Crista Mosley</i>	<i>Fatema Rahaman^M</i>	<i>Joshua Simmons</i>	<i>Matthew White^{P S}</i>
<i>Shreya Motaganahalli^{P M}</i>	<i>Abdur Rahman</i>	<i>Divleen Singh^{P S}</i>	<i>Michelle Witt^M</i>
<i>Tanaaz Muhayya^M</i>	<i>Oliva Rahman</i>	<i>Harpreet Singh^M</i>	<i>Elsie Wong^{P S}</i>
<i>Adrian Mujezic^C</i>	<i>Mahjabin Raiqa</i>	<i>Heshwin Singh^C</i>	<i>Hanora Woodruff</i>
<i>Albulena Murati</i>	<i>Chai Ramachandran^C</i>	<i>Karanpreet Singh</i>	<i>Christy Wu^M</i>
<i>Kevin Murray</i>	<i>Brianna Ramirez-Jonguitud^M</i>	<i>Annamaria Skoufis</i>	<i>Xinyu Wu</i>
<i>Tiffany Muy</i>	<i>Arianna Ramlall^C</i>	<i>Roy Smita^{P M}</i>	<i>Ke Jia Xie</i>
<i>Alexander Myers</i>	<i>Dahlia Ramos Acosta</i>	<i>Abigail Smith^C</i>	<i>Aadarsh Yagnik</i>
<i>Precious Mzobe</i>	<i>Rabia Rana</i>	<i>Paige Smith</i>	<i>Yutong Yan^S</i>
<i>Maisha Nabila^C</i>	<i>Raafia Fatima Rasheed^C</i>	<i>Nicole Socko</i>	<i>Michelle Yang^M</i>
<i>Hafsa Naeem^M</i>	<i>Quinn Rasul</i>	<i>Yeahna Son</i>	<i>Xiao Ying Yang^C</i>
<i>Abbas Naqvi-Syed^C</i>	<i>Asha Rath^S</i>	<i>Jiahua Song</i>	<i>Yutong Yao</i>
<i>Karina Nateram</i>	<i>Eli Rathburn</i>	<i>Stephanie Sorhegui</i>	<i>Jodi Yee^C</i>
<i>Brandon Nathan^C</i>	<i>Jaylen Recio</i>	<i>Maya Spottiswood</i>	<i>Heesang Yoo^M</i>
<i>Samantha Navarro^M</i>	<i>Niara Reid</i>	<i>Cassidy Stanley</i>	<i>Karim Zaidan^C</i>
<i>Aisha Nazir</i>	<i>Christian Reilly^{P S}</i>	<i>Nicoletta Starzynski</i>	<i>Evelyn Zeferino</i>
<i>Mohammed Nazir</i>	<i>Berly Rene</i>	<i>Evan Swerdloff</i>	<i>Wendy Zeng^S</i>
<i>Avi Nessim^S</i>	<i>Alejandro Restrepo</i>	<i>Daniel Sychev^M</i>	<i>Andrew Zhang^S</i>
<i>Jonathan Ng^S</i>	<i>Gaelle Revolus</i>	<i>Narjis Syedazaidi</i>	<i>Sharon Zhang^{P M}</i>
<i>Andrew Nguyen</i>	<i>Patrick Reynolds</i>	<i>Grace Taiwo^S</i>	<i>Yun Meng Zhang^M</i>
<i>Somay Oklu</i>	<i>Alyssa Rodrigues</i>	<i>Joshua Talabucon</i>	<i>Edwina Zheng</i>
<i>Sofiyat Opeloyeru</i>	<i>Joseph Rollo</i>	<i>Katelyn Tao^S</i>	<i>Tina Zheng^{P S}</i>
<i>Damilola Oseni</i>	<i>Kirtana Roopan^S</i>	<i>Hafiz Tariq</i>	<i>Amanda Zhong^S</i>
<i>Keesha Ostil^M</i>	<i>Joshua Roopchand</i>	<i>Alexander Tepedino^C</i>	<i>Zijun Zhou</i>
<i>Danny Ou^M</i>	<i>Manesha Roopnarine</i>	<i>Anastasia Terbac</i>	<i>Sierra Zory</i>
<i>Eric Pacheco</i>	<i>Sabrina Rosati</i>	<i>Kajal Thakker</i>	
<i>Xuaner Pan^C</i>	<i>Smita Roy^M</i>	<i>Devi Thoka</i>	
<i>Radha Panchal^C</i>	<i>Kseniya Rozanova^S</i>	<i>Samir Thukral^S</i>	
<i>Willis Pang</i>	<i>Tammy Ruan^C</i>	<i>Jonathan Tims^C</i>	
<i>Aaron Park</i>	<i>Santiago Sanabria^C</i>	<i>Adhara Tisha^C</i>	
<i>Allison Pascual^S</i>	<i>Trisha Sandhala</i>	<i>Connor Tom^C</i>	
<i>Nikhil Pasumarthi^S</i>	<i>Valentina Sangemino^C</i>	<i>Alejandro Torres</i>	
<i>Pari Patel^C</i>	<i>Brittany Savage</i>	<i>Daniel Tracy^C</i>	
<i>Isha Patel</i>	<i>Jalal Sawas^C</i>	<i>Karina Truong</i>	
<i>Agna Patel</i>	<i>Lori Saxena^S</i>	<i>Thomas Tumminello</i>	
<i>Ateet Patel</i>	<i>Anthony Scarpelli^S</i>	<i>Ayesha Ura</i>	
<i>Mauli Patel</i>	<i>Helena Schiliro</i>	<i>Nazar Urban^S</i>	
<i>Nikit Patel^S</i>	<i>Sophia Schwarz</i>	<i>Alejandro Vallejo^C</i>	
<i>Pari Patel^C</i>	<i>Jodean Scott</i>	<i>Christopher Vanegas</i>	
<i>Pooja Patel</i>	<i>Kalsoon Shafqat</i>	<i>Lydia Varghese^M</i>	
<i>Shivani Patel</i>	<i>Krishna Shah</i>	<i>Cindy Velasquez</i>	
<i>Shreya Patel</i>	<i>Dolly Shah</i>	<i>Elissa Velasquez</i>	
<i>Rahim Patwary^S</i>	<i>Tseten Shakya</i>	<i>Ariana Ventura</i>	
<i>Santiago Peralta</i>	<i>Drisana Shanthan^C</i>	<i>Catalina Vera^C</i>	
<i>Melissa Perez</i>	<i>Leah Sharifian^{P S}</i>	<i>Jack Vitale</i>	
<i>Arianny Perez Medina</i>	<i>Aryan Sharma^S</i>	<i>Mark Vito^S</i>	
<i>Jessica Peters</i>	<i>Olivia Sherman</i>	<i>Dylan Walsh</i>	
<i>Isabella Pimienta</i>	<i>Amal Shibu</i>	<i>Brendan Wang^M</i>	
<i>Aiyana Pomaes</i>	<i>Rose Shojaeian^C</i>	<i>David Wang</i>	
<i>Kayla Powell</i>	<i>Sanjeeda Shova</i>	<i>Emily Wang</i>	
<i>Marisa Pulisic</i>	<i>Jason Shu^M</i>	<i>Rui Wang^S</i>	
<i>Haley Puntillo</i>	<i>Sufyan Siddiqui</i>	<i>Lexi Weissman</i>	

^P Phi Beta Kappa

^S Summa Cum Laude

^M Magna Cum Laude

^C Cum Laude

Honors Candidates in Biochemistry and Biology

- Ama Fernando, BCH** (Dr. Dada Pisconti, Biochemistry and Cell Biology) Effects of Selective Modulation of PPAR γ by GQ-16 in Water Retention through the Collecting Duct
- Nigina Kirgibaeza, BCH** (Dr. Neta Dean, Biochemistry and Cell Biology) The Role of Sirtuins During Calorie Restriction in *Cryptococcus Neoformans*
- Kathryn Ravano, BCH** (Dr. Kathryn Gunn, Biochemistry and Cell Biology) Characterizing the Effect of Colchicine-induced Polyploidy on End-replication and Cell Dysregulation
- Shaver Colman, BCH** (Dr. Bernadette Holdener, Biochemistry and Cell Biology) Developmental Signaling in Regenerative Models: Consequences of Id3 Induction on Regenerating Muscle
- Amanda Strohm, BCH** (Dr. Dada Pisconti, Biochemistry and Cell Biology) Exploring the Role of Protein Turnover Rate in the Time-Dependent Inhibition of Leucyl-tRNA Synthetase
- Rachel Zhao, BCH** (Dr. Dada Pisconti, Biochemistry and Cell Biology) Fine Tuning of p53 Expression Regulates Muscle Differentiation *in vivo*
- Simar Ahluwalia, BIO** (Dr. Bo Chen, Pathology) Quantitation of Mass Spectrometry Imaging Signals for Lipids Detected from Mouse Brain Tissue
- Sohini Alim, BIO** (Dr. Howard Sirotkin, Neurobiology and Behavior) Investigating the Role of GluN2B in Forebrain Neurogenesis
- Andrei Bussenault, BIO** (Dr. Kamazima Lwiza, School of Marine and Atmospheric Sciences) Surveying Diptera in Northern Tanzania Relative to Altitude, Human Population Density, and Agricultural Stress
- Andrew Fu, BIO** (Dr. Alexandra Guillaume, Medicine) Disentangling the Effect of Black/African Ancestry from Confounding Variables on Colorectal Cancer Gene Expression
- Isabella Janowicz, BIO** (Dr. Bernadette Holdener, Biochemistry and Cell Biology) *POGLUT2/3* mediated EGF O-glucosylation Promotes Separation of Digits 2 and 3 by Influencing Fibrillin Network Reorganization, Signaling, and Cell Dynamics
- Anthony Lin, BIO** (Dr. Benjamin Hsiao, Chemistry) Preparation and the Optimization of Cellulose Nanofibers-based Elastic Hydrogels for Advanced Applications
- Yuxuan Lin, BIO** (Dr. Leonard Cheung, Physiology and Biophysics) Hypothyroidism Causes Downregulation of Id2 Expression in the Pituitary Gland
- Marissa McCandless, BIO** (Dr. Ronald Sarno, Biology, Hofstra University) The Impact of Hunting by Humans on Formant Frequencies of Bison Bellows
- Aviram Nessim, BIO** (Dr. Maricedes Acosta-Martinez, Physiology and Biophysics) Biochemical Mechanisms Underlying Sex Differences in Alzheimer's Disease: An *in vitro* Autoradiography Study of Postmortem Parietal Cortex
- Radha Panchal, BIO** (Dr. Maricedes Acosta-Martinez, Physiology and Biophysics) Analysis of Pro-inflammatory microRNA Expression in the Parietal Cortex of Men and Women with Alzheimer's Disease
- Asha Rath, BIO** (Dr. Sian Piret, Medicine) Mechanistic Target of Rapamycin Complex 1 (mTORC1) activity in a Nephrotoxic Model of Acute Kidney Injury
- Kirtana Roopan, BIO** (Dr. Ru Li, Anesthesiology) Perioperative Ketorolac and NSAIDs in Cancer Outcomes: Meta-Analysis of Overall Survival and Postoperative Recurrence
- Jalal Sawas, BIO** (Dr. Kamazima Lwiza, School of Marine and Atmospheric Sciences) Fungal Variation Amongst Different Altitudinal Ranges Along Peak One of Mt. Kilimanjaro National Park
- Wendy Zeng, BIO** (Dr. Ed Luk, Biochemistry and Cell Biology) Developing a Chromatographic Methodology to Isolate Chromatin Particles Based on DNA Sequences

Program Participants

Dr. J. Peter Gergen, Director Undergraduate Biology
 Dr. Paul Anderson, MD, PhD, Alumni Speaker
 Dr. Wali Karzai, Chair, Department of Biochemistry and Cell Biology
 Dr. Alfredo Fontanini, Chair, Department of Neurobiology and Behavior
 Dr. Nancy Hollingsworth, Department of Biochemistry and Cell Biology
 Ms. Heshwin Singh, Student Speaker
 Dr. Joshua Rest, Chair, Department of Ecology and Evolution

Faculty Marshals

Drs. Nancy Hollingsworth, Marvin O'Neal, Roger Sher and Robert Watson

Faculty in Attendance

Drs. Shipra Agrawal, Marin Beaupré, Leonard Cheung, William Collins, Steven Glynn, Kathryn Gunn, Kamazima Lwiza, Aaron Neiman, Dianna Padilla, Sian Piret, Dada Pisconti, Howard Sirotkin, Jun Takato, John True, and Ms Mary Bernero

Student Banner Bearers

Nazar Urban (Biology) and Rachel Zhao (Biochemistry)

Chancellor's Award for Student Excellence

Peter Gillespie, Biology

Avi Nessim, Biology

Aryan Sharma, Biology

Provost's Awards for Academic Excellence

Reese McQueen, Biology

Christian Reilly, Biology

Divleen Singh, Biology

Michelle Yang, Biology

Amanda Zhong, Biology

Honors in Biochemistry

Ama Fernando

Nigina Kirgizbaeva

Kathryn Ravano

Colman Shaver

Amanda Strohm

Rachel Zhao

Honors in Biology

Simar Ahluwalia

Sohini Alim

Andrei Bussenault

Andrew Fu

Isabella Janowicz

Anthony Lin

Yuxuan Lin

Marissa McCandless

Aviram Nessim

Radha Panchal

Kirtana Roopan

Jalal Sawas

Wendy Zeng

Outstanding Achievement Awards**Biochemistry**

Jerome Cai

Jane Chen

Sahaana Kesavan

Nigina Kirgizbaeva

Tashu Patel

Colman Shaver

Gan Shi

Rachel Zhao

Julia Zhu

Biology, Bachelor of Arts

Alina Ali

Biology, Bachelor of Science, Specialization in Developmental Genetics

Marie Collison

Nicholas Fernandez

Catalina Vera

Biology, Bachelor of Science, Specialization in Interdisciplinary Biology

Robert Chen

Nina Cheng

Andrew Fu

Katherine He

Chandrema Hossain

Isabella Janowicz

Pratiksha Kaur

Ada Lin

Anthony Lin

Qian Lin

Yuxuan Lin

Aviram Nessim

Chaitanya Ramachandran

Kirtana Roopan

Kseniya Rozanova

Tammy Ruan

Aryan Sharma

Adhara Tisha

Nazar Urban

Elsie Wong

Michelle Yang

Wendy Zeng

Andrew L. Zhang

Biology, Bachelor of Science, Specialization in Neuroscience

Sohini Alim

Ethan Chen

Sean Hatzidakis

Elizabeth Levy

Radha Panchal

Brendan Wang

Biology, Bachelor of Science, Specialization in Quantitative Biology and Bioinformatics

Lori Saxena

Christian Reilly