

## UNDERGRADUATE AWARDS & HONORS

### LATIN HONORS

Undergraduate students receiving Latin Honors must complete significant research in collaboration with a faculty mentor, write a thesis, and complete an oral defense.

- Alexander Black**  
Reconstitution of FACT-Subnucleosome Complexes to Capture the Missing Domains of FACT
- Alexandra Brown**  
Genetic Study of the *Bacillus subtilis* *pbuE* Adenine-Responsive Riboswitch
- Matthew Brown**  
The BamA Barrel Seam: Insights into the function of the BAM Complex
- Nicholas Cordaro**  
Development of a Quantitative Assay for Activated HRas Binding to the Ras Binding Domain of PI3K in Solution
- Asma Giornazi**  
Upstream Open Reading Frames of Genes in Immature Mammalian Ovarian Follicles
- Nicole Jacobsen**  
Exploring Heterogeneity in a Melanoma Population using Single-Cell RNA Sequencing Data
- Tara Jourabchi**  
Characterization of antisense RNAs derived from RNA Polymerase II's RdRP activity
- Brooke Kennedy**  
Expanding the Model of Macrophage Chemotaxis: Exploring the Connection Between the Leading Edge Chemosensory Pathway and Cytoskeletal Restructuring
- Mia Kim**  
*B. subtilis* *pbuE* adenine-responsive riboswitch
- Robert Meushaw**  
Engineering of a Cleavable C-terminal Domain of RNA Polymerase II
- Joel Meyers**  
Investigating parameters that impact the ability of RNA polymerase II to act as an RNA dependent RNA polymerase to extend the 3' end of B2 RNA
- Elliot Minor**  
Structure-Activity Relationship Studies of Novel Small Molecule Modulators of Mitochondrial Quality Control
- John Moir**  
Mechanistic Studies of the General Transcription Factors TFIID and TFIIF
- Grant Morgan**  
Using Microscale Thermophoresis to Measure the HRas-PI3K Binding Interaction
- Anoushka Singh**  
Exploring a Link Between Stress Induced Termination Defects and the Phosphorylation State of RNA Polymerase II
- Jordan Summers**  
Constructing designer nucleosome arrays in vitro
- Justin Tapper**  
Producing novel tools to understand zinc concentration in the secretory pathway: an exploration of ZnT8 expression and the insulin granule environment
- Kevin Winkler**  
The effects of mechanical forces on transformation efficiency in *Synechococcus* sp. PCC 7002

### CHANCELLOR'S RECOGNITION AWARD

Awarded to those graduating seniors who have maintained a 4.0 GPA their entire time at CU Boulder.

**Nia Hammond**

### PHI BETA KAPPA

Members of Phi Beta Kappa - Alpha of Colorado Chapter at CU Boulder (Spring 2020 - Spring 2021).

**Sravya Dhanwada**  
**Tiffany Maksimuk**

**Ryan Thompson**  
**Alexander Black**

**Robert Meushaw**  
**Grant Morgan**

### ROYAL SOCIETY OF CHEMISTRY CERTIFICATE OF EXCELLENCE

Awarded to students who have demonstrated exceptional achievement in the chemical sciences.

**Yannick Lee-yow (2020)**

**Nia Hammond (2021)**



Biochemistry

UNIVERSITY OF COLORADO BOULDER

*Congratulations  
Class of  
2020 & 2021!*

## ADVANCED DEGREES

- Robert Abrisch, Ph.D**  
*Fission and Fusion Machineries Converge at ER Contacts to Regulate Mitochondrial Morphology*
- Kelsie Anson, Ph.D**  
*Illuminating zinc signaling in live cells & teaching metabolism via case study*  
Philip Benson, M.Sc.
- Thomas Buckles, Ph.D**  
*Signaling Mechanisms on Membrane Surfaces: Studies of Membrane-Bound Master Kinases*
- John Chambers, M.Sc**
- Garrett Edwards, Ph.D**  
*Chromatin Biophysics: Advancing the Study of Chromatin and Its Regulators through Analytical Ultracentrifugation*
- Thomas Harper, M.Sc**
- Nicholas Hill, Ph.D**  
*Life cycle of a cyanobacterial CO<sub>2</sub>-fixing organelle*
- Roman Iwasaki Cordero, Ph.D**  
*The Design of Input-Output Devices Using CRISPR Effectors and RNA*
- Andrew Kavran, Ph.D**  
Pending dissertation defense
- Evan Lester, Ph.D**  
*RNA and RNA Binding Proteins in Neurodegenerative Tauopathies*
- Cecilia Levandowski, Ph.D**  
*An Investigation of How the Naturally Occurring Isoform, Δ40p53, Alters WTP53 Activity*
- Eliana Ly, Ph.D**  
*Elucidating the Mechanisms and Kinetics Behind TFIIIB Release during Transcription and DNA Binding by P53 Using Single Molecule Microscopy*
- Jonathan Markert, Ph.D**  
*Biochemically and Structurally Characterizing the ATP-Dependent Chromatin Remodeler SMARCD1*
- Michal Matyjasik, Ph.D**  
*The Purine Riboswitch Family Is a Robust and Versatile Platform for Diverse Small Molecule Sensing*
- Michael Minson, Ph.D**  
*Zinc Dyshomeostasis during Salmonella Infection of Immune Competent Primary Macrophages Impacts Infection Outcome*
- Justin Moser, Ph.D**  
*Endogenous and Exogenous Cyclin-Dependent Kinase Inhibitors*
- Meagan Nakamoto, Ph.D**  
*Molecular recognition underlying X chromosome inactivation: Interactions between hnRNPK and Spen with different regions of Xist*
- Thomas Rivas, Ph.D**  
Pending dissertation defense
- Genevieve Roberts, M.Sc**
- Jonathan Rubin, Ph.D**  
*Mechanisms of Gene Regulation: Exploring the Activity of Transcription Factors and Mediator Kinases*
- Georgiana Salant, Ph.D**  
*Understanding Gene Expression in Distinct Biological Contexts: Exploring the Function of miR-206 in Myogenesis and Defining Alcohol-Induced Transcriptional Changes in Breast Cancer*
- Lynn Sanford, Ph.D**  
*Characterization of Intracellular Zn<sup>2+</sup> Dynamics and Zn<sup>2+</sup>-Dependent Gene Expression in Primary Dissociated Hippocampal Neurons*
- George Swisher, Ph.D**  
*Development of Methods to Study the Effects of Ras Disease-Linked Mutations on Ras Binding to the Master Lipid Kinase PI3K*
- Dustin Tauber, Ph.D**  
*Mechanisms and Regulation of RNA Condensation in RNP Granule Regulation*
- Patrick Thomas, Ph.D**  
*Zam is a redox regulated regulator of RNA metabolism in Cyanobacteria*
- Audrey Watson, Ph.D**  
*Coding and Noncoding Modalities of LncRNA Function*
- Graycen Wheeler, Ph.D**  
*Regulation of motility in HaCaT keratinocytes by TACE and intercellular junctions and Transcriptional activation of pro-survival gene CLPTMIL by small molecule therapeutics*
- Daniel Youmans**  
*Recruitment of Polycomb Repressive Complex 2 to Chromatin by Accessory Proteins*

## BACHELOR OF ARTS

- Batton Acree**
- Morgan Adams**
- Tariq Al-Jarah**
- Noor Alnemer**
- Jake Anderson**
- Cinthya Armenta Cisneros**
- Brianna Barney**
- Aaron Barraza**
- Megan Becker\***
- Jonathan Beirne**
- Ryan Bennett**
- Adam Berger**
- Munguntsetseg Bilegsaikhan**
- Alexander Black\***
- Jared Bozzone**
- Alexandra Brown\***
- Matthew Brown\***
- Amanda Bui**
- Devin Burke**
- Joseph Canfield**
- Servando Casillas**
- Hao Chang**
- Yongze Chen\***
- Kevin Choi**
- Ethan Chu**
- Kimberly Clark**
- Jenna Coffey**
- Maria Colton**
- David Conner**
- Nicholas Cordaro\***
- Gabriela Costa**
- Audrey Curtis**
- Niruja Devkota**
- Madison Donnelly**
- Paige Douty**
- Brooke Elam**
- Megan Facey\***
- Laurence Fairchild**
- Samuel Farmer**
- Ryan Fleischer**
- David Gelagay**
- Dylan George**
- Kelsey Gilliam**
- Asma Giornazi\***
- Alyxandra Golden**
- Amelia Greenberg**
- Aram Grigorian**
- Sabrina Hafeez\***
- Trenton Hall**
- Nia Hammond\***
- Sophia Harding**
- Marisa Hardy**
- Shannon Harring**
- Aishah Amira Hassan Scott Odierno**
- Jason Haw**
- Zachary Healy**
- Amber Helmick**
- Ethan Highter**
- San Ho**
- Jason Hong**
- Nicole Jacobsen\***
- Alan Jaimes**
- Hannah Jankowski**
- Robert Janowski**
- Xingyi Jiang**
- Yanhao Jiang**
- Timothy Joo**
- Tara Jourabchi\***
- Jonathan Jung**
- Francesca Kealey**
- Brooke Kennedy\***
- Mohammed Keshk**
- Sandra Khabner\***
- Mia Kim\***
- Joseph Klecker**
- David Koza**
- Daren Kraft**
- Jake Kritzberg**
- Quinlyn Krupp**
- Rathan Kumar\***
- Julia LaForce\***
- Nathan Landry**
- Yannick Lee-yow\***
- Kevin Lee**
- Robert Leeds**
- Ying Li**
- Jessica Loob**
- Jared Lotz**
- Luke Luce**
- Nicholas Luitjens**
- Salvador Luna**
- Brianna Macdonald\***
- Tiffany Maksimuk\***
- Eleonora Marcinkeviciute**
- Caitlin McCormick**
- Mayah McCumsey\***
- Nayland Meitzer**
- Robert Meushaw\***
- Joel Meyers\***
- Joshua Miles**
- Elliot Minor\***
- John Moir\***
- Alexis Montague\***
- Vincent Moore**
- Grant Morgan\***
- Nathan Murray**
- Sonya Nguyen**
- Timothy Nguyen**
- Theodore Niemann\***
- Aleece Nolasco**
- Blake Ocampo**
- Andrew Otis**
- Lindsey Peck**
- Gabriela Ramirez**
- Evelina Reventaite**
- Brandon Rodriguez**
- Timothy Rodriguez**
- Ashwin Sarwal**
- Josh Schabbing**
- Victoria Schlutz**
- Hunter Schreiner\***
- Logan Schwanz\***
- Noland Seils**
- Shaan Sharma\***
- Rachel Sheridan**
- Scott Sherrit**
- Anoushka Singh\***
- Steven Sloan\***
- Rebecca Su**
- Jordan Summers\***
- Lixian Sun**
- Nicole Szeto**
- Jenna Taffe**
- Tamanna Talwar**
- Natalie Tanabe**
- Joseph Tandoh**
- Justin Tapper\***
- KimNgan Tat\***
- Ajij Thapa\***
- Joshua Thiele**
- Kelli Thompson**
- Ryan Thompson\***
- Jonathan Titelbaum\***
- Ojaswi Uprety**
- Zachary Upthegrove**
- Shenali Uragoda**
- Jonah Vijayam\***
- Xindi Wang**
- Clayborne West**
- James Wilson\***
- Kevin Winkler\***
- Peter Woodham**
- Jingyi Wu\***
- Kensy Xiong**
- Aleta Yushkevich**
- Yuting Zhou**

\*Students graduating with Latin Honors (Summa Cum Laude, Magna Cum Laude, and Cum Laude) and/or with Distinction (30 credit hours completed at the University of Colorado Boulder with an average GPA of 3.75 or higher). See Undergraduate Awards & Honors for a complete list of recipients.