Medical Scientist Training Program
SCHOOL OF MEDICINE
UNIVERSITY OF COLORADO **ANSCHUTZ MEDICAL CAMPUS**

MSTP Fall 2021 Newsletter

Welcome Matriculating Class of 2021

Elena Esch

I grew up in Bradford, Pennsylvania and attended Lafayette College where I graduated in 2018 with a BS in Neuroscience and a minor in Chemistry. During my time at Lafayette College, I worked at MIT in the laboratory of Dr. Mark Bear examining the role of NMDA receptors in amblyopia using rodent models, at NYU in the laboratory of Dr. Roozbeh Kiani examining confidence in decision making in human adults, and on an NIH funded translational research project, under the guidance of Dr. Lisa Gabel, examining the relationship between genetics and dyslexia working with both mouse models and human children. After graduating, I spent two years at the NIH in the laboratory of Dr. David Leopold examining facial selectivity and three-dimensional sensitivity of the inferior temporal cortex in nonhuman primates, taught health education at homeless shelters in D.C., and started a support group for research fellows like myself with disabilities and chronic conditions. Following my time at the NIH, I have been volunteering at COVID-19 vaccination clinics. Things I really enjoy: eating incredibly spicy food, collecting hot sauces that are starting to outgrow my fridge's shelf space, cooking/baking, knitting/crocheting, painting/drawing, exploring restaurants, checking out art exhibitions, watching horror movies, listening to true crime podcasts, celebrating Halloween aka the best holiday, and reading outside.

North Foulon

I am originally from Vancouver Island but I grew up in western Washington. I attended Pacific Lutheran University (PLU) and majored in chemistry and biology. At PLU, I worked with Dr. Neal Yakelis trying to use synthetic organic chemistry to develop new mechanisms for long-acting injectable medications. After graduation, I worked for the Infectious Disease Research Institute (IDRI) in Seattle, where I developed and tested new tuberculocidal drug candidates. Most recently, I worked in Dr. Andy Hoofnagle's lab at the University of Washington Medical Center, where I worked to develop novel mass spectrometry assays used to diagnose and monitor patients. I am totally new to Colorado, but I love what I have seen so far! In my free time, I love to play music, and I am trying to become a better cook. I am also slowly developing a collection of board games!

Douglas Fritz

Born and raised in St. Louis, MO, I graduated from Saint Louis University with my degree in Biology and American Studies in 2019. As an undergraduate at SLU, I worked in the the Daniel Hoft Lab on *T. cruzi* immunology and vaccine development. After graduation, I spent a year in North Macedonia on a Fulbright and a year at the NIH in Ted Pierson's lab doing antibody repertoire analysis to suss out the issues with Zika virus vaccine correlates of protection. In my free time, I am an environmental advocate and an amateur pizza chef that enjoys biking and hiking and playing brass instruments.

Lin (Scott) Shujian

I grew up in Houston, Texas and attended Rice University where I graduated with a BS in Bioengineering in 2021. There, I joined the lab of Caleb Bashor, building high throughput modular cloning systems for mammalian synthetic biology. Particularly, I investigated how combinations of different genetic elements affected the expression profiles of multiple transgenes in series, by using our system to build and optimize multi-gene synthetic circuits. At Rice, I also worked with Michael Diehl, using COVID-19 as a guide to teach undergraduate cellular engineering principles. I look forward to continuing research engineering biological, particularly cellular, systems. Outside of school, I enjoy playing board games, listening to podcasts, going to breweries, and discovering new restaurants.

Sofia Celli

I grew up in between different places—my parents worked primarily in the US, in Ohio and Virginia (I was born in Charlottesville), but we also lived in northern Italy. My family is from Lombardy, but we actually moved further north in the mountains, near the Swiss border—one of the reasons I was so excited to come to Denver! I graduated with a BA in Biology from the University of Virginia in 2019, where my research in the Dutta Lab focused on DNA repair mechanisms. During my time in school I became interested in immunology, and spent the past two years as a postbac at the NCI, studying the role of co-stimulatory molecules in Natural Killer T cell development in the Hodes lab. I am broadly interested in immune dysregulation and cellular plasticity in immune responses, especially in terms of unconventional T cell lineages. I love to hike & run, as well as cook, read, and watch movies!

Mauricio Alvarez

I was born in Medellin, Colombia and went to high school in Quito, Ecuador. I got my BA in Biology at the University of Pennsylvania. During undergrad, I joined Dr. Zahra Fahkraai's group, where I learned how to use the electromagnetic spectrum to characterize the physical and chemical properties of matter. I studied various nanocomposites and got the opportunity to learn neutron scattering at the Institute Laue-Langevin as a characterization method. During my latter years at Penn, I joined Dr. Joseph Zackular's group and delved into microbiology and the complicated interactions *C. difficile* displays with other microorganisms. After graduating in 2020, I continued my research at the Zackular group and got involved with the testing and optimization of protocols for COVID-19 at the Infectious Disease Diagnostics Laboratory at the Children's Hospital of Philadelphia. These experiences have fueled a deep curiosity for interdisciplinary science and how it can help our fight against diseases. Outside the fluorescent lights and clean rooms, I enjoy hiking, swimming, biking, running, and riding horses.

Kaylin Langer

I was born and raised in the small town of Columbus, Wisconsin. I went to the University of Wisconsin-Madison where I graduated with a BS in Neurobiology and Gender & Women's Studies. Throughout undergrad, I worked with Drs. Richard Davidson, Ned Kalin, and Hill Goldsmith exploring the neurobiological underpinnings of how anxiety develops from infancy through adolescence. After graduating, I moved to Washington, DC to complete a two-year postbaccalaureate research fellowship at the NIMH under Dr. Karen Berman. There, I collected and analyzed neuroimaging data on adults with schizophrenia, children with Williams Syndrome, and healthy children and adolescents. Outside of work/school, I love to cook, explore new sights, food, and music, and spend time with loved ones. I couldn't be more excited to start this new adventure in CO!

Sheila Gupta

I was born and raised in Buffalo, New York. I received a B.S. in Biochemistry with a minor in Pharmacology and Toxicology from the University at Buffalo in 2020. I spent the past three years working in the lab of Gabriela Popescu, Ph.D. where I used cell-attached electrophysiology to study the effects of antidepressant relevant concentrations of ketamine on N-Methyl-D-Aspartate Receptor kinetics. In the future I hope to continue to study physiological and pharmacological modulators of synaptic plasticity. Outside of school and research I love to spend time hiking or hula-hooping outdoors, or hang out with my or my friends' pets!

Amandip Banger

I grew in up Kingsburg, CA and attended UC San Diego where I graduated with a degree in Microbiology in 2018. While there, I worked with Dr. Mary Lewinski and Dr. John Guatelli on understanding HIV accessory protein function in immune evasion. After graduating I attended Cornell University for my Master's where I worked with Dr. Hector Aguilar-Carreno on multivalent viral vaccines. Upon graduating, I returned to UC San Diego where I worked as a research associate with Dr. Isabel Newton and Dr. Nicholas Webster on combination immunotherapies for hepatocellular carcinoma. My research interests have remained in the immuno-oncology field, in particular, I'd like to study novel therapies for solid tumors during my career. In my free time, I enjoy watching sports and being active in any way that I can!

Selin Ekici

I was born and raised in Santa Cruz, CA. I graduated from Emory University with a B.S. in Chemistry. During my undergraduate and post-bac years, I worked with Dr. Candace Fleischer researching glioma metabolism using MRI spectroscopy. Our lab sought to develop spectroscopy methods to track metabolic changes in brain cancer. Over the course of my 3 years in lab, I was also involved in other projects on traumatic brain injury in collegiate athletes. Outside of lab, I enjoy hiking, camping, binge watching true crime documentaries in bed, and cooking!

A New Face in Administration

Dr. Matt Taylor, MD, PhD (Interim Clinical Associate Program Director)

My clinical training as a physician is in Internal Medicine (1999) and Medical Genetics (2001). Since 2001, I have been at the University of Colorado where I developed and now direct the Adult Medical Genetics Program and Adult Medical Genetics Clinic. This clinic serves as the main focal point for delivering adult medical genetic services and represents the only genetics practice for adults in the state of Colorado serviced by an Internist-Geneticist. During my Medical Genetics Residency I entered a PhD program and completed my PhD in 2005 (Thesis: *Genetic Analysis of Dilated Cardiomyopathy*). My research laboratory focuses on the genetic basis of heritable cardiac disease where we deploy NextGen DNA sequencing, RNASeq, bioinformatics, along with cell-based and animal-based disease modeling. I also direct clinical trials for rare diseases. As an educator I have directed the Molecules to Medicine course for Year 1 Medical students for over a decade and I belong to our University Academy of Medical Educators. Since 2015, I have been Associate Director of Personalized Medicine **and Assistant Director of Genetics** in our newly developed Personalized Medicine Program. Active leadership roles include Directing a Pipeline Program for Diversity (Undergraduate to Medical School), the Adult Medical Genetics Program and Clinic, serving as Associate Director for Personalized Medicine, facilitating leadership training for chief residents for the Accreditation Council for Graduate Medical Education, and board member of the American Board of Medical Genetics and Genomics. Overall, these activities align with the trajectory of my interests and career, which has been on the translation of advances in genetic knowledge into the clinic.

SUMMER RESEARCH

(Ultrasound Night)

(SRTP Class)

The Summer Research Training Programs (SRTP) completed its pilot year with great success in August. The SRTP is a summer program for undergraduate students from groups historically excluded from science founded by MSTP students Brigit High (GS4) and Meagan Chriswell (GS4) in collaboration with several students from the Neuroscience Graduate Program. MSTP students Meghan Kellett (GS4), Jackie Turner (GS2), Kelsey Kines (GS2), and Rachel Cohen (MS2) were also part of the SRTP team, and were critical to our successful launch this year.

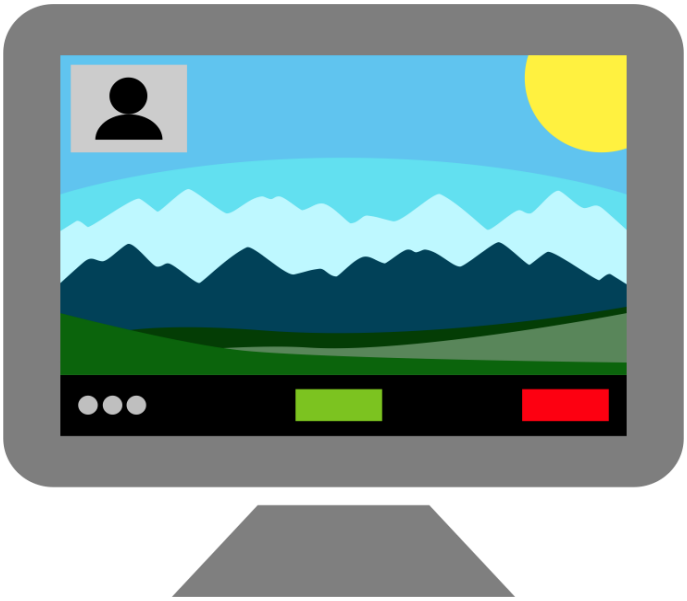
From over 115 applicants, 17 students from Colorado institutions were selected for placement in labs at CU Anschutz across two research tracks - one for students interested in Neuroscience and one for those interested in physician-scientist careers. For eight weeks, these students performed primary scientific research which culminated in a poster session at the end of July. In addition, the students engaged in weekly seminars focused on career exploration and development, as well as clinical skills nights. This summer's ultrasound workshop was a resounding success!

This program has attracted interest from Colorado philanthropic organizations and is planning to expand to include research tracks for Immunology and Bioengineering for the 2021-2022 school year. We are also launching the SRTP Alumni program to provide longitudinal support and mentorship for our summer alumni as they approach graduation from their undergraduate institutions and application to graduate and professional programs. The ultimate goal for both SRTP and the SRTP Alumni programs is to foster a nurturing community for Colorado undergraduate students belonging to groups historically excluded from science. We believe that providing research, mentorship, and professional development opportunities to our students can only bolster their success as they progress along the undergraduate to graduate and professional school pipeline.

Thank you so much to everyone who made this program a success! Please reach out to either Brigit High (brigit-alexandra.high@cuanschutz.edu) or Meagan Chriswell (meagan.chriswell@cuanschutz.edu) for any more information about the program or if you would like to be a part of the SRTP team either as a student or as a faculty mentor.

COPPER CONFERENCE

36th Annual National MD-PhD Student Conference



The 36th Annual National MD-PhD Student Conference was held virtually in July. While we had all hoped to host an in-person conference, the uncertainty surrounding the pandemic led the organizers to decide to host a virtual conference again out of an abundance of caution. Nonetheless, over 200 students, faculty, and speakers joined the virtual conference to discuss research, wellness, diversity, and physician-scientist careers, among other topics.

This year's conference featured five enlightening keynote talks: Bob Langer spoke about his experiences dealing with obstacles and rejections in his career as a scientist, Kandice Tanner shared her unique biophysics-based approach to understanding cancer metastasis, Maike Sander shared exciting new strategies to model and understand diabetes, Lynda Stuart gave the audience a behind-the-scenes tour of vaccine development and global health, and Rafael Yuste joined us from Spain to discuss neural circuits.

The conference also featured student talks and posters in the categories of cancer biology, immunology and microbiology, cell and molecular biology, structural and computational biology and bioengineering, general medicine, and neuroscience. This year's breakout sessions included a physician-scientist career panel, a presentation on communicating data visually by Jean-luc Dumont, a conversation about evidence and ethical decisions in a pandemic with Matt Wynia, and a discussion on computational approaches to medicine with Raimond Winslow. During the diversity panel, Digna Velez Edwards, Vence Bonham Jr., Akinyemi Oni-Orisan, and Keith Norris discussed the importance of including diverse research subjects in both clinical research and basic science research using human samples. The wellness session featured insights from David Vago, Zirui Song, and Bill Scheidler on which approaches and interventions are actually effective at improving trainee wellness. The after-hours PSTP sessions offered attendees the opportunity to meet program directors from a variety of specialties including pediatrics, internal medicine, pathology, radiation oncology, and psychiatry.

Finally, the conference planning committee would like to thank Cara, Liz, Ruhiyah, and our faculty advisor Sana Karam for their help and guidance.

FUN & EXCITING ANNOUNCEMENTS!

WEDDING ANNOUNCEMENT!

Lily Nguyen and **Grant Lo** (class of 2017) tied the knot on August 10, 2021. Congratulations on your marriage!

FUN & EXCITING ANNOUNCEMENTS!

Zoila (Isabel) Fernandez is this year's recipient of the Joe St. Geme Medical Student Award

Dr Joe St. Geme was the Dean of the Medical School for a short 18 months in the 1980's and had an untimely sudden death. His family and faculty established a Lectureship in his honor which has been tradition for years. The family also established a Medical Student Award to a deserving medical student who is going into pediatrics and has had a valued mentoring relationship.

This award is presented to a deserving 4th year medical student who has demonstrated outstanding research with a mentor and who is interested pursuing a career in academic pediatrics. Isabel's mentors, Elena Hsieh, MD and Ross Kedl, PhD recommended she receive this award because she demonstrates "the kind of synergy and commitment that Dr. St. Geme believed was critical for success in an academic career. [Isabel] exhibits the high standards of excellence set by Dr. St. Geme".

Isabel's work with Drs. Hsieh and Kedl described the clinical and immunological characteristics of two siblings at Children's Hospital Colorado with the first known human IL-2Rβ defect. The siblings were found to have a damaging mutation in the IL2RB gene, resulting in reduced IL-2Rβ expression and function which caused a deficiency of T cells, regulatory T cells and NK cells. The children suffered from life-threatening autoimmunity, as well as persistent cytomegalovirus (CMV) infections. Our research was published in the journal of experimental medicine and is now catalogued in the OMIM database and was also featured in the CU Anschutz news website: New disease discovered by CU Anschutz researchers

Dr. Hsieh says of Isabel - I have worked with her as a research mentor for her work on the discovery of a novel PID, and our published work on JEM - she is the first author and really independently drove the work there. I also co-mentored her for her basic science mouse work, and she is an exemplary PhD student. I have also precepted her clinically and she prepared for all my clinics, read about the patients, wrote notes, received constructive criticism for the notes and improved them, and also just followed up with the patients after she no longer rotated with me. Just amazing overall.

Isabel will receive her award on October 22, 2021 in front of members of the St. Geme family. We are extremely proud of Isabel and all her hard work! CONGRATULATIONS!

Matt Becker was elected to the University of Colorado Chapter of AOA

Alpha Omega Alpha (AOA) is a national medical honor society that recognizes commitment to professionalism, leadership, scholarship, research, and community service. AOA Honor Society at CU SOM occurs via peer selection, with students in AOA making the selection of future members. The committee uses academic performance as well as other factors, including personal attributes and extracurricular activities. Guidelines for eligibility include, but are not limited to, those in the first and second quartile of the graduating class and have received honors in at least 50% of honors-eligible weeks during clinical years; academic performance, leadership, scholarship, and volunteer work/community service

FUN & EXCITING ANNOUNCEMENTS!

Matt was chosen based on his outstanding academic performance as well as his excellent leadership, scholarship, and community activities during medical school. In particular, Matt was honored for his extensive research activity, academic community service and outreach, and leadership efforts in founding and serving as inaugural co-president of MSTP Student Council. We are very proud of Matt's accomplishments during medical school as an MSTP student.

Matt will be inducted prior to graduation in May 2022 (in person, COVID permitting). Congratulations Matt!

Kelly Higa was elected by the Selection Committee to the University of Colorado Chapter of AOA.

Alpha Omega Alpha (AOA) Honor Society at CU SOM is a peer selection with students in AOA making the selection of future members. The committee uses academic performance as well as other factors, including personal attributes and extracurricular activities. Guidelines for eligibility include, but are not limited to, those in the first and second quartile of the graduating class and have received honors in at least 50% of honors-eligible weeks during clinical years; academic performance, leadership, scholarship, and volunteer work/community service

Kelly was chosen based on her outstanding academic performance as well as her excellent leadership, scholarship, and community activities during medical school. We are very proud of Kelly's accomplishments during medical school as an MSTP student.

Kelly will be inducted prior to graduation in May 2022 (in person, COVID permitting). Congratulations Kelly!

Matt and Kelly will be inducted prior to graduation in May 2022 (in person, COVID permitting). Congratulations to you

FUN & EXCITING ANNOUNCEMENTS!

The following article – "Providing a Spark: Program Instills Wonder in Young Scientists" – highlights MSTP student Isabel Fernandez (MSIV), who participated in the STEM Scholars program, founded by fellow MSTP student Jackie Turner (G2)

Full Article https://news.cuanschutz.edu/news-stories/providing-a-spark-program-instills-wonder-in-young-scientists

PARK DAY!

During our Annual MSTP Park Day, we had our First MSTP Field Games Competition! CU MSTP classes battled it out in classic relays involving a three -legged race, egg & spoon relay, PPE dress-up relay, and water balloon toss. The competition was tight and ended up with a tie between the first and second years! We'll have a tiebreaker in the next few months to determine bragging rights for CU MSTP

CONGRATULATIONS! Our softball team (named the ice cold pitchers) got 4th place in the league!!

Michael Nash has pygmy chameleon babies and is the first to **EVER** to breed them in captivity

FUN & EXCITING ANNOUNCEMENTS!

Michael Nash's Chameleon updates

Two critically endangered chameleon species have reproduced under my care, and negotiations have begun with the Association of Zoos and Aquariums to disseminate information on their care and breeding in an effort to establish them in zoos across the country. The goal is to better understand these species and grow their numbers, then reintroduce them to the wild one day when their habitat can be better secured. One of which is the species *Furcifer minor* (female pictured with yellow patterning), only found in a small area of Madagascar rainforest at risk of deforestation for coffee plantations. The second is *Brookesia decaryi*, a species of pygmy leaf chameleon that only lives in a tiny dry Malagasy forest also at risk of destruction. A third species at risk but not critically endangered that has recently reproduced in my care is *Brookesia stumpffi*, another pygmy leaf chameleon that has not been produced in captivity successfully before. Baby pictures attached, they are born about the size of a dime.

Finally, specimens of another chameleon species, Furcifer lateralis, produced by me, are now on display at the Cheyenne mountain zoo. Stop by and give them a visit if you can! Also, I've been collecting Monarch butterfly eggs and raising and hatching the caterpillars (less than 2% survival rate in the wild). Monarchs are an iconic species now considered endangered, as their populations have declined by >90% over recent years. >20 adult monarchs have emerged from my home as a result and the skies look a bit brighter with them in it! If you have milkweed plants in your yard, please don't pull them, as it's the only food source for the little caterpillars. These lovely butterflies will migrate all the way down to Mexico this winter, and will be back in CO next spring! What stamina!






FUN & EXCITING ANNOUNCEMENTS!

CONGRATULATIONS ALL!

Soraya Shehata and Frances Li received a fundable Impact Score

Amelia Burch on her F31

Chris Alderman on his T32 Award and Lung Head and Neck Cancer training grant

Taylor Yamauchi on her NoA F31 resubmission

Lily Nguyen on her Spatial Biology Funding

Grant Lo was awarded a place on the Molecular Biology program T32 and was selected as an RNA Scholar by the RNA Bioscience Initiative

Ashley Denney successfully defended her PhD on June 17th

Dr. Karam and Laurel Darragh were funded by the Chancellors Discovery Fund to develop a new cancer pharmaceutical in order to seek a patent

CONGRATULATIONS ON PASSING COMPS

Juan Santiago Moreno

Emily King

Jackie Turner

Thomas Forman

Will Sheeran

AWARDS AND HONORS

Austin Jolly on receiving Best Oral Presentation - MD/PhD Student National Conference 2021 and Invitation to Speak - American Heart Association Vascular Discovery National Conference, 2021. CONGRATULATIONS!

Meghan Kellett (left) with Dr. Mary Reyland (Cancer Biology Program Director (right). Meghan received the Director's Award for the Cancer Biology PhD Program. This award is for the student who has done the most to strengthen and support the Cancer Biology program during their matriculation. CONGRATULATIONS!

RECENT STUDENT PUBLICATIONS

Austin J Jolly, Sizhao Lu, Keith A Strand, Allison M Dubner, Marie F Mutryn, Raphael A Nemenoff, Mark W Majesky, Karen S Moulton, Mary C M Weiser-Evans.*Heterogeneous subpopulations of adventitial progenitor cells regulate vascular homeostasis and pathological vascular remodeling.* doi: 10.1093/cvr/cvab174

Sizhao Lu, **Austin J Jolly** ,Keith A Strand, Allison M Dubner , Marie F Mutryn, Karen S Moulton, Raphael A Nemenoff, Mark W Majesky, Mary Cm Weiser-Evans, *Smooth muscle-derived progenitor cell myofibroblast differentiation through KLF4 downregulation promotes arterial remodeling and fibrosis.* doi: 10.1172/jci.insight.139445

Kelly C Higa, Goodspeed A, Chavez JS, De Dominici M, Danis E, Zaberezhnyy V, Rabe JL, Tenen DG, Pietras EM, DeGregori J. *Chronic interleukin-1 exposure triggers selection for Cebpa-knockout multipotent hematopoietic progenitors.* J Exp Med. 2021 Jun 7;218 (6):e20200560. doi: 10.1084/jem.20200560.PMID: 33914855

Chavez JS, Rabe JL, Loeffler D, **Kelly C Higa,** Hernandez G, Mills TS, Ahmed N, Gessner RL, Ke Z, Idler BM, Niño KE, Kim H, Myers JR, Stevens BM, Davizon-Castillo P, Jordan CT, Nakajima H, Ashton J, Welner RS, Schroeder T, DeGregori J, Pietras EM. *PU.1 enforces quiescence and limits hematopoietic stem cell expansion during inflammatory stress.* J Exp Med. 2021 Jun 7;218(6):e20201169. doi: 10.1084/jem.20201169.PMID: 33857288

Ashley S Denney, Andrew D Weems, Michael A McMurray. *Selective functional inhibition of a tumor-derived p53 mutant by cytosolic chaperones identified using split-YFP in budding yeast. G3 Genes|Genomes|Genetics*, jkab230, https://doi.org/10.1093/g3journal/jkab230

Daniel S Hassell, Marc G Steingesser, **Ashley S Denney,** Courtney R Johnson, Michael A McMurray. Chemical rescue of mutant proteins in living *Saccharomyces cerevisiae* cells by naturally occurring small molecules. *G3 Genes|Genomes|Genetics*, jkab252, https://doi.org/10.1093/g3journal/jkab252

Wang, R.X., Henen, M.A., Lee, J.S., Vögeli, B., and Colgan, S.P. *Microbiota-derived butyrate is an endogenous HIF prolyl hydroxylase inhibitor. Gut Microbes.* 13(1): 1938380. doi: 10.1080/19490976.2021.1938380. [PMC8253137]

RECENT STUDENT PUBLICATIONS

Robert L. Wilson, **Leah Bowen,** Woong Kim, Luyao Cai, Stephanie Ellyse Schneider, Eric A. Nauman, and Corey P. Neu. *In vivo intervertebral disc deformation: intratissue strain patterns within adjacent discs during flexion–extension. RL Wilson, L Bowen, W Kim, L Cai, SE Schneider, EA Nauman, CP Neu.* Published online 2021 Jan 12. doi: 10.1038/s41598-020-77577-y

Thomas E Forman, Brenna J. C. Dennison, Katherine A. Fantauzzo. *The Role of RNA-Binding Proteins in Vertebrate Neural Crest and Craniofacial Development.* J. Dev. Biol. **2021**, 9(3), 34; https://doi.org/10.3390/jdb9030034. Received: 10 August 2021 / Revised: 23 August 2021 / Accepted: 25 August 2021 / Published: 27 August 2021

Levandowski, C.B., Jones, T., Gruca, M., Ramamoorthy, S., Dowell, R.D., Taatjes, D.J. *The delta40p53 isoform inhibits p53-dependent eRNA transcription and enables regulation by signal-specific transcription factors during p53 activation.* PLoS Biology, 2021 Aug;19(8), e3001364. PubMed PMID: 34351910

Michael J. Nash, Evgenia Dobrinskikh, Sean A. Newsom, Ilhem Messaoudi, Rachel C. Janssen, Kjersti M. Aagaard, Carrie E. McCurdy, Maureen Gannon, Paul Kievit, Jacob E. Friedman, and Stephanie R. Wesolowski. *Maternal Western diet exposure increases periportal fibrosis beginning in utero in non-human primate offspring. JCI insight, accepted.*

Alumni News

Please note to have personal information included in future newsletters, e-mail Ruhiyah ruhiyah.issah@cuanschutz.edu)
We will not publish information without your permission

Samantha Friend (class of 2015) received a fundable score on my VA CDA-2 (like a K award) application to investigate peripheral and central nervous system inflammatory markers associated with military sexual trauma and PTSD in women veterans. CONGRATULATIONS!

Sarah Haeger (class of 2020) received the 2020-2021 Housestaff Award winners for the intern of the year award. CONGRATULATIONS!

Aaron Spalding (class of 1997) was recently named to the Stereotactic Registry's Board, an organization formed by the NeuroPoint Alliance and Brainlab, which collects data from leading radiosurgery centers worldwide to provide analysis and innovation for radiosurgery. CONGRATULATIONS!

Kaylyn Sinicrope, Emily Sturgeon, Lennea Coombs, Mahan Ghiassi, David Sun, Renato La Rocca, **Aaron Spalding.** LMD-08. Precision medicine for Leptomeningeal Carcinomatosis: a case report. *Neuro-Oncology Advances*, Volume 3, Issue Supplement_3, August 2021, Page iii9, https://doi.org/10.1093/noajnl/vdab071.033 . Published: 09 August 2021