



Medical Scientist Training Program

SCHOOL OF MEDICINE

UNIVERSITY OF COLORADO **ANSCHUTZ MEDICAL CAMPUS**

MSTP Spring 2020 MESSENGER



A New Face In Administration!



Welcome Dr. Cara Wilson our New Director effective July 1st. An Interview with Cara Wilson by Hans Anderson and Mindy Szeto in conjunction with the MSTP Student Council New Director Transition Committee (Members: Hans Anderson, Matt Becker, Elijah

On behalf of the MSTP Student Council's New Director Transition Committee, we Zoomed with Cara Wilson, MD, the incoming MSTP Director to ask her a few questions (edited for length):



Hans & Mindy: Tell us about yourself and why you wanted to get involved with MSTP.

Cara: I grew up in a small town in the Blue Ridge Mountains of Virginia. Throughout childhood I was interested in a career in veterinary medicine. During college (at Duke University), I turned my career toward human medicine and also became fascinated in immunology as a scientific focus by taking some graduate level courses. At the University of Virginia School of Medicine, the strong Infectious Diseases program and faculty there heavily influenced my career trajectory. I was an "Osler Marine" at Johns Hopkins for internal medicine residency training, and I subsequently completed a fellowship in Infectious Diseases at Massachusetts General Hospital where I started doing HIV research. In 1998, I moved to Colorado and started my own lab, which has been focused primarily on HIV immuno-pathogenesis research. Over the past 20 years, I've been involved in career development at all levels - I ran the pre-K program for CCTSI and served on an NIH study section that reviewed K and T career development grants. I was on the graduate steering committee for the Immunology program for many years. I previously served as Vice Chair for Faculty Advancement for the Department of Medicine and currently am the Executive Vice Chair for the Department. My decision to apply for the MSTP Director position was based on my desire to focus my leadership efforts on combined science and mentoring, two great passions of mine. Also, based on experiences with our MST program over many years, I have developed the highest regard for the students and for the way that Arthur, the current Director, has run the program. I truly enjoy my one-on-one relationships with the people in my lab and hope to develop a strong relationship with each MSTP student. I've had a rewarding career as a physician-scientist with great mentors and now am ready to give back by supporting the careers of future physician-scientists. I consider every student to be a future colleague.

H&M: As director, are there any new directions or training emphasis you want to bring to the MSTP?

C: I'm really interested in helping students develop impactful, rewarding careers. The keys to success long term are: good leadership skills - focused on emotional intelligence and self-awareness, resilience, and effective teamwork. I respect the traditions of medicine but some traditions may need to change in order to be relevant to the students of today; I want to involve our students in developing our identity (who we are) and our vision (where we want to go)

H&M: Where do you think medicine is headed, and what role will physician-scientists play in it?

C: Physician-scientists are destined to be the future leaders of academic medicine. The COVID-19 pandemic is a perfect example of why medical leaders need to understand disease, the science behind it and the impact on society so we can rapidly develop vaccines, therapies, and also help educate the community. One future challenge is



learning how to deal with the large amounts of data related to patient care and in our research. The way we provide healthcare is also going to change so our students need to be prepared and resilient. Science is becoming more team based, which will change how people are promoted, funded, and recognized.

H&M: How do you approach finding balance between research, patient care, and personal life?

C: Achieving work-life balance has always been a work-in-progress for me. A career as a physician-scientist is a marathon, or really an ultramarathon, and not a sprint. It requires constant rebalancing. I try to maintain my passion for all the different roles that I take on and remain grateful for the opportunity to work in so many areas that I enjoy. When I'm on clinical service, I try to put all of my attention on my patients, which means I focus less on research. When I'm doing research, I try and stay focused on it.

H&M: How do you spend your free time?

C: I spend as much free time as possible with my family. My husband and I have been married 30 years; he is also a physician. We have two amazing children; my son is a computer engineer and my daughter is in medical school. We have two cats and two dogs; I really love my pets! We do a lot of international traveling; I've climbed Mt. Kilimanjaro, trekked around Machu Picchu, and I love the mountains for hiking, skiing, trail running...

H&M: What is your number one piece of advice for a young physician scientist in training?

C: Be persistent. Stay focused. Find your true north and stick with it. Being creative and trying to persist against adversity that everyone faces in their career is key... You can't do it alone though - if you look at successful young physician-scientists they often have good mentors. Seek out good mentors often!

H&M: What are you looking for in prospective MSTP applicants?

C: Individuals that are going to be successful as physician-scientists! Emotional intelligence, self-awareness, passion for research, commitment and strong work ethic, compassion, integrity and resilience.

H&M: Thanks for taking the time to speak with us! We're looking forward to your mentorship!



An Interview with Arthur Gutierrez-Hartmann by Hans Anderson in conjunction with the MSTP Student Council New Director Transition Committee (Members: Hans Anderson, Matt Becker, Elijah Christensen, Lily Nguyen, William Sheeran, Taylor Soderborg, Mindy Szeto, Sarah Zych)

After serving as director of the Medical Scientist Training Program at the University of Colorado for the past 26 years, Arthur Gutierrez-Hartmann is retiring in August 2020. During his time here, he has overseen a transition from the campus on 9th Ave. and Colorado Blvd. to the Anschutz Medical Campus in Aurora, multiple changes in the curriculum, an expansion of MSTP from 30 students to 80, the development of the national directors meeting and the national student conference, and the training of countless physician scientists. He has played a major role in many of our lives, fostering our careers and helping to get us established in Colorado and in medical school and research. Elijah and I sat down (virtually) with Arthur to ask a few questions the MSTP Student Council New Director Transition Committee put together (edited for brevity):

Hans & Elijah: What advice/wisdom would you most want to impart to students as they move through the program? And as they embark on the physician-scientist career path?

It is a marathon; it's not the first years, not the thesis years or the last years. While everything seems important, particularly in the first three months, it is the Clinical year that is the most important year of medical school. Try to obtain an Honor grade in as many courses as you can, particularly the MSIII clerkships. Publications are key in the thesis years, and of course the more the better. It's important to have a first-author publication that your advisor can write about in your letter of recommendation and communicate that you were the "driver" of the research. Get that first-author paper and get out as soon as possible.

Have clear goals. Be opportunistic, resilient, open, and unafraid to move forward. Be self-protective. Learn how to say no to things that don't promote your career and yes to things that do. Find 3-4 mentors that will stay with you for life. A science mentor and a career mentor – to help decide which events, study sections, etc. to go to. Also, seek out a financial mentor and an emotional support mentor- the former to help guide you regarding job offer details and offer letters and the latter to help you with the difficult times in your life. Sometimes these mentors are colleagues.

H&E: What has been most rewarding as MSTP director and as a physician-scientist?

The most rewarding aspect as director is my relationship with the MSTP students and MSTP graduates. Seeing the students really mature scientifically, and many times, personally, is terrific, as is watching their careers flower in all aspects. As I often tell the students, "I don't care what kind of research you do when you have your own lab, but I do expect you to be the very best in whatever you do". As a physician-scientist, what has been most rewarding has been being able to "live the dream" with a career as a physician-scientist. One moment I could be talking to a patient and in the next moment discussing results of an experiment with one of my graduate students or pot-docs; the quick transitions reminded me of my good fortune to have the career I did have and was very rewarding. I was fortunate to be working when grants were easier to get and my lab could contribute to very diverse fields. I used to tell my graduate students and postdocs that "data is my addiction, bring it every day".

H&E: What do you see as your legacy with the program? How has it evolved over your time here?

I would hope that my legacy are certain values that have I always wanted to pass on to the MSTP students: 1) work hard and play hard, 2) go for the “jugular” in your scientific question – choose important questions and design decisive, well-controlled experiments, and 3) do the most rigorous science possible – be fearless in your pursuit of your scientific goals. I’m very proud of MSTP students seeking out leadership positions within their graduate programs, the graduate school and medical school. But legacy is really what the students accomplish, what they take from their MSTP training here at CU on to residency, fellowship and their future careers, and the “mythology” (ie narrative) of what the CU MSTP is all about. I want residency, fellowship and chairs to say, “CU MSTP prepares their students exceedingly well. These trainees are scientifically outstanding, and have tremendous leadership skills, maturity

With regards to how we evolved, the key milestones have been: obtaining the NIGMS T32 and MSTP status in the early 90’s, the significant growth of the Program with support from Dean Richard Krugman and increasing T32 slots with each competitive T32 MSTP renewal, my commitment to recruiting a diverse student body, and the expansion of the Annual MD/PhD Student Conference from a thematic conference to one that included all aspects of biomedicine and obtaining R13 support for this conference. As we grew, recruiting Dr. Angie Ribera as Associate Director was one of the most important milestones for the program. She was a tremendous asset to the program, with great wisdom, altruism and sensitivity to the students. I ran almost every decision I made by Angie. As the Program continued to grow, we realized we needed two Associate Directors. We brought on Dr. Kristin Artinger as the Preclinical Associate Director and Dr. Jorge DiPaola as the Clinical Associate Director. Both were amazing in their roles and left their marks. When Kristin took over BSP, we recruited Dr. Patricia Ernst as the Preclinical Associate Director, and she has been tremendous, taking a very active role in advising students regarding thesis lab choices and in grant writing.

Finally, the program and I have been extremely fortunate to have had great administrators. The first Administrator I hired was Terri Wood, who served from 1995-2007 (about 12 years), and oversaw the initial tremendous growth and maturation of the Program. Next was Jodi Cropper (2007-2015), who transitioned the Program to the Anschutz Campus and oversaw the next phase of significant growth. Emily Dailey (2105-2017) served for a couple of years, and contributed her skills and optimism. And now Liz Bowen joined us as the Program Administrator in August 2017, and she is clearly dedicated to the program and the students. She takes full ownership of her duties and she really fights hard for the students. I’m so very thankful to the administrators; without their absolute superb administrative skills, I would not have been able to run my lab, and perform all of my other university, scientific society, NIH and consulting duties.

H&E: What do you see next for the program?

With Cara, Liz, and Patricia the Program is in terrific hands. Cara brings new thoughts and ideas that can re-energize the program. She’s very interested in the full arc of the physician-scientist career, and will individualize training and goal-setting for each of the students. Patricia is highly dedicated and is also a first-rate scientist with high standards, and passes these values on to the students. Liz is extremely capable and will guide the students very well in all of the administrative aspects of their transitions.

A key development is the deployment of the 2021 SOM Curriculum and I sincerely hope that this curriculum allows MSTPs to finish their dual MD/PhD degree training in ~7 years. The planned Physician-Scientist LIC has many potential advantages for MSTPs. But in the end, it is still MSTPs seeking out the best science and learning how to become first-rate scientists with intuitive science skills and communication abilities (writing papers and presenting seminars) that will remain the defining core of the MD/PhD training.

H&E: What’s next for you? Anything fun planned?

Full retirement! Looking forward to spending time with my wife, Marti, my one (so far!) grandchild and my kids, doing some fun traveling, and taking art classes. I’d also like to volunteer to translate legal documents into Spanish for immigrants. It’s very heartbreaking to see 1-2 year-olds separated from their parents.

H&E: Thanks for taking the time to speak with us, Arthur! We have really appreciated all of your mentorship and guidance over the years. We wish you the best in retirement!



The University of Colorado Anschutz Medical Campus MD/PhD Program was established in 1983 and obtained NIH/MSTP funding in 1993. The goal of this Program is to train a diverse cadre of dual-degree students to become outstanding physician-scientists and future leaders in biomedical research. To accomplish this goal, we select students from an increasing national applicant pool, seeking out those candidates whose record of research, academic, and leadership achievements are exemplary. Our pool size has increased significantly, from 154 in 2007 to >500 in 2020. We matriculate 10 students annually. Our current roster of 80 students (44% female; 16% URM; .5% disability; 19% disadvantaged; and .5% 1st generation college) come from across the nation, from elite universities, and with ~30 months of prior research experience and ~60% with prior publication(s). The selected MSTP students enter a flexible, yet highly rigorous training program that interdigitates graduate and medical school courses in the first two years, by substituting graduate for medical school courses, and vice-versa, followed by one required MSIII clinical clerkship, with an option for a second. They then complete ~4 years of thesis work, followed by 16-24 months of MSIII/IV clinical work. An MSTP-specific Molecules to Medicine course, Reading with the Professor elective, weekly Seminar Series, and a Longitudinal Clinical experience during the thesis years have been specifically developed for our students. For thesis research, students choose from >200 MSTP faculty in 15 graduate training programs. MSTPs train at three sites: the new Anschutz Medical Campus, National Jewish Health, and the University of Colorado- Boulder, which have a combined grant income of ~\$1B. To enhance the success of our MSTP students, we provide career guidance beyond the PhD thesis years, and we work diligently to place our graduates in elite residencies and fellowships. Since 1983, 214 students have matriculated, 28 are URMs, 20 left the program, 146 graduated with both degrees in 8.2 years, and 85 completed all of their training with 50 pursuing research in academics, the NIH/CDC, or industry, 32 in private practice, and 3 lost to follow-up. The relatively new Anschutz Medical Campus provides state-of-the-art education, research and clinical facilities, and enjoys significant momentum with ~\$480M in grants, \$450M in philanthropy and ~\$100M in clinical income to fund research and programs. The SOM Dean John Reilly has funded 5 new basic/clinical collaborative Translational Research initiatives that have resulted in the recruitment of ~15 new faculty. In sum, the leadership and the continuous improvement of the Program, applicant pool, recruited students, training faculty and plan, student outcomes, institutional support, and research funding and environment underscores the elite character of this MST Program.



Arthur's Contributions to Organizing the National Association of MD/PhD Programs and of the MD/PhD Section of the AAMC GREAT Group

In 1994, Arthur was selected to direct the UCHSC Medical Scientist (MD/PhD) Training Program and he has served as Program Director for the past 26 years, renewing the MSTP NIGMS T32 grant 5 times. The University of Colorado MSTP established and has organized the annual National MD/PhD Student Conference since 1986. In 1994, Arthur together with Peggy Neville (who was the outgoing MSTP Director at CU), decided to host and organize a separate meeting for the Directors and Administrators as part of the Student Conference. This first meeting was so successful that it was decided to continue to pair the Directors meeting with the annual student conference. Arthur was the organizer of the first 3 national MD/PhD Program Director and Administrator meetings (1995-1997), and by 1996 the group decided to self-organize as the National Association of MD-PhD Program Directors. Arthur served as Vice-President (1997-98) of the National Association MD/PhD Program Directors and has continuously served as a member of the Executive Committee (1994-present). Since the Administrators were critical to the formation of the Association, the name was changed to the National Association of MD-PhD Programs in 2003. By ~2000, it became clear that help was needed to organize the annual MD-PhD Program meetings and that the Association needed to have more clout in the MD/PhD application process, traffic rules, outcomes analysis, NIH funding increases, and advocacy. In 2003, Drs. Olaf Andersen, together with Arthur and a small working group of the Executive Committee of the National Association of MD-PhD Programs, strategized with Dr. David Korn, then the Senior Vice President for Biomedical & Health Science Research at AAMC, to bring the Association as a Section of the GREAT Group of the AAMC. The formation of the MD-PhD Section, which included the Program Administrators, was approved in 2004, with the first meeting of the MD-PhD Section taking place together with the GREAT Group's 2005 meeting. Arthur was President of both the Association and of the Section in the 2005-2006 inaugural year of the MD/PhD Section, during a critical time of transition and he helped shepherd this transition. Moreover, Arthur served on the inaugural Steering Committees of the AAMC GREAT Group and of MD/PhD Directors Section within GREAT from 2005-2007, making sure that the key issues of the Association (application process, traffic rules, outcomes analysis, NIH funding increases, and advocacy) remained in focus. Under the role of the Association, Arthur and Dr. Olaf Andersen lobbied the NIGMS to increase MSTP funding and lobbied all other NIH Institute Directors to expand individual F30 and F31 funding for MD/PhD students. Over time, the F30/F31 mechanism did expand from funding by 5 institutes to current funding by nearly 25 Institutes.

As have many other MSTP Directors across the country, Arthur became concerned that graduates of the MSTP were losing sight of their career focus as they progressed through their residency and fellowship training period. To this end, in 2011, Arthur initiated and became the Director of the Physician-Scientist Training Program (PSTP) in Internal Medicine at CU/UCH. He currently mentors 10 residents and fellows in the PST Program. Arthur became the inaugural SOM Associate Dean of Research Education in 2014. In this role, he has organized meetings of all of the K12 Directors; he has met one-on-one with many young investigators to provide mentorship regarding submitting grant applications, establishing their lab, and hiring lab staff. Of note, Arthur has been a champion at the AAMC and, more recently, at the AAIM (Alliance for Academic Internal Medicine) meetings to establish a single web-site listing all Research Track Residencies in all specialties for MD/PhD students to identify optimal academic pathway residency programs.

Diversity Efforts

Because Arthur is of Hispanic origin, he not only serves as a role model for the URM trainees, but he has been indefatigable in his commitment to recruit, nurture, graduate and mentor URM and disadvantaged trainees. He has served as a mentor to URM trainees from the NIH Minority High School Student Research Apprenticeship Program, the Graduate Experiences for Minority Students (GEMS) Program, the R25 IMSD Program, and the Endocrine Society's Minority Research Program, with many working in his laboratory.

NIGMS and GREAT Group Service and MD/PhD-MST Program Advisory Roles

Arthur has served in many leadership positions in national associations dealing with graduate and physician-scientist training. For example, he served and Chaired the NIH/NIGMS Biomedical Research Training Study Section (2000-2004) that reviews T32 Training Grant applications in MSTP, Genetics, Cell & Molecular Biology, Systems Biology, and Pharmacology. Arthur served on the Planning Committee for the 2004 and 2006 National AAMC GREAT Group meetings, and he Chaired sessions at the 2004-2006 National AAMC GREAT Group meetings. Finally, Arthur served on the Advisory Committee of the Director of NIH task force on the Future of the Biomedical Workforce, which published their report in June 2012 recommending key changes in biomedical PhD training.

Accomplishments as Director of the University of Colorado MST Program

Arthur has been responsible for the successful growth of the University of Colorado MST Program over the past 26 years to its current increased levels of NIH funding, total student matriculants, and diversity recruitment. When Arthur became Director of the Program in 1994, the program had only 4 NIH slots, a total of ~30 students, and 1 diversity student. Since Arthur took over the Program, the program increased to 19 NIH/NIGMS slots, obtained a national R13 MD/PhD NIGMS conference grant, and almost tripled in size, with 81 total current students, of which 45% are female, 12% are under-represented minority students and 13% are disadvantaged. Arthur obtained NIGMS R13 support for the Annual National MD/PhD Student Conference, initiated by the CU MST Program, which is now in its 35th year, attracting nearly 200 students. In 2005, the SOM launched a "New" Integrated Medical School Curriculum, and Arthur incorporated an MSTP-specific "Molecules-to-Medicine" literature review course, a "Reading with the Professor" graduate elective, and a Longitudinal Foundations Course, whereby MSTPs work with a physician-scientist in the specialty of their career choice in their clinic twice a month. The University of Colorado MST Program was one of the first to generate a promotional Program video as a recruitment tool, which was put on the CU MSTP website. Arthur guided the development of an MSTP Biannual Newsletter, a Facebook page, and a YouTube recruitment video.



The 2nd annual MSTP retreat took place on February 28th, 2020. The full day retreat was filled with student research, alumni talks and connections between students across a variety of class years and faculty across numerous campuses. In addition to the classic student oral presentations, this year's retreat introduced the new 1-minute talks, in which some students shared poems, coordinated animated presentations, and limericks all in the spirit of sharing research. This year's retreat also featured a new breakout session portion of the day including sessions on wellness in residency, advice from alumnus and building a social media presence. A highlight of the day was this year's Keynote Speaker Dr. Simon Hambidge who shared how his journey from MD/PhD led to his career in public health research. Dr. Arthur Gutierrez-Hartmann was featured prominently throughout the day's talks, celebrating our wonderful Program Director as he prepared to step down from his role. Students continue to be eager to hear from alumni and we would love to increase our alumni participation and attendance at this new annual retreat.

Alumni, please reach out to mstpstudentcouncil@ucdenver.edu if you are interested in connecting with students in any fashion! Hope to see you at next year's retreat.





HIGHLIGHTS





Sizhao Lu, Keith A. Strand, Marie F. Mutryn, Rebecca M. Tucker, **Austin J. Jolly**, Seth B. Furgeson, Karen S. Moulton, Raphael A. Nemenoff, Mary C.M. Weiser-Evans. *PTEN Protects Against Angiotensin II-Induced Pathological Vascular Fibrosis and Remodeling*. DOI: 10.1161/ATVBAHA.119.313757

Tara C. Carlisle, Kristin M. Galetta, Scott M. McGinnis, Tamara Bockow Kaplan. *Clinical Reasoning: A 58-year-old woman presents with progressive memory deficits, odd behavior, and falls*. *Neurology*. Feb 2020, 94 (5) e557-e561

Maciej Podgorski, Benjamin D. Fairbanks, **Bruce E. Kirkpatrick**, Matthew McBride, Alina Martinez Adam Dobson, Nicholas J. Bongiardina and Christopher N. Bowman. *Towards Stimuli-Responsive Dynamic Thermosets through Continuous Development and Improvements in Covalent Adaptable Networks (CANs)*. DOI: 10.1002/adma.201906876

Westrate LM, Hoyer MJ, **Nash MJ**, & Voeltz GK. *Vesicular and uncoated Rab1-dependent cargo carriers facilitate ER to Golgi transport*. DOI.org/10.1016/j.bbamcr.2005.03.003

Jiayu Chen, Qizhi Zheng, Lauren B. Peiffer, Jessica L. Hicks, Michael C. Haffner, Avi Z. Rosenberg, Moshe Levi, Xiaoxin X. Wang, Busra Ozbek, Srinivasan Yegnasubramanian, **Angelo M. De Marzo**. *An in situ atlas of mitochondrial DNA in mammalian tissues reveals high content in stem/progenitor cells*





Congrats Arthur Gutierrez-Hartmann
on receiving the DOM David A. Schwartz Mentor Award

Congrats Nat Skillin on receiving the David W. Talmadge, MD. Excellence in Immunology Memorial Award for "excellence in Immunology by a medical student



Congrats Austin on getting your AHA pre-doctoral fellowship funded and winning 1st place in CU 2nd annual and intercampus 3 Minute Talk Competition! Including the American Heart Association (AHA) Pre-Doctoral Fellowship Award, 2-year award.



MSTP News and Alumni Updates

Please note to have personal information included in future newsletters, e-mail
Ruhayah (ruhiyah.issah@cuanschutz.edu)

Jacinta Cooper (class of 2012) graduated from pediatric emergency medicine fellowship at UAB in June. In November she joined the faculty at Emory/Children's Hospital of Atlanta as assistant professor in the Division of pediatric emergency medicine. She had a baby, Ruby Sinclair in August 2019! Congrats!



Ben Young (class of 1992) was promoted to Head of Global Medical Directors at ViiV Healthcare- a HIV-specific pharmaceutical company. Prior to working at ViiV, he was Chief Medical Officer and Senior Vice President of the International Association of Providers of AIDS Care, where he worked on HIV-related education and capacity building; treatment and health policy and human rights. Congrats!



Congrats Tara C. Carlisle (class of 2016) on your Fellowship at University of Colorado Behavioral and Neuropsychiatry Fellowship to start in July 2020

Congrats Brian Harry on being awarded a Lab Director Grant to attend the 2020 MSACL Clinical Mass Spectrometry Conference

Layne Dylla will be starting here as an Assistant Professor in the Emergency Medicine Department starting this summer. Congrats!

MSTP News and Alumni Updates

Please note to have personal information included in future newsletters, e-mail Ruhiyah
(ruhiyah.issah@cuanschutz.edu)

Congrats Sruthi Thomas (class of 2013) on your achievements

Honors

- Became the Intrathecal Baclofen Program Director for Texas Children's Hospital as of 1/1/2020
- Officially double boarded in Pediatrics and Physical Medicine & Rehabilitation
- Became the Social Media Editor for the Journal of Pediatric Rehabilitation Medicine

Manuscripts

- **Thomas SP**, Addison A, Curry DJ. Surgical tone management in cerebral palsy. *PMR Clin NA*, 2020; 31(1):91-105.
- Baer HR & **Thomas SP**, Pan Z, Tagawa A, Carollo J, Heyn PC. Self-reported physical function is associated with walking speed in adults with cerebral palsy. *J Pediatr Rehabil*. 2019 Jun 10; epub ahead of publication
- Heyn P, Tagawa A, Pan Z, **Thomas S**, Carollo J. Prevalence of metabolic syndrome and cardiovascular disease risk factors in young adults with cerebral palsy. *Dev Med Child Neurol*. 2019 Jan 20; epub ahead of publication.

Abstracts

- Association of Academic Physiatry & International Society of Physical and Rehabilitation Medicine Annual Meeting, March 2020

Gober J, **Thomas SP**. "Patient characteristics and practice patterns in a large pediatric intrathecal baclofen (ITB) program."

Michael F Bassetti (class of 2008) is the senior author on a recent review paper published in *Lancet Oncology*, on MRI guided radiation treatments for patients with cancers arising or metastatic to the liver.

MRI-guided adaptive radiotherapy for liver tumours: visualising the future. VOLUME 21, ISSUE 2, PE74-E82, FEBRUARY 01, 2020. Jacob S Witt, MD, Stephen A Rosenberg, MD, and Michael F Bassetti.

GOOD NEWS!



Congrats Michael Nash on his recently hatched baby chameleon scheduled to go on display in the Denver Zoo in the near future And his house designated as an American Association of Zoos and Aquariums (AZA) accredited facility!



Alison Hixon is honored to be invited to give a talk at the NIH for their workshop on AFM

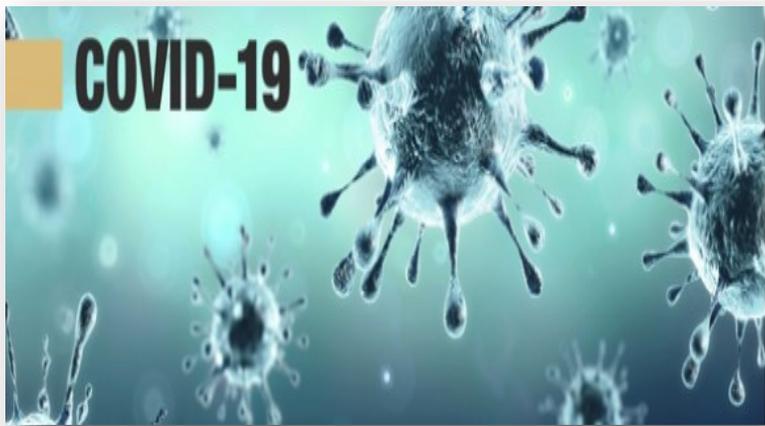


Jon and his wife welcomed Jon Liam Kibbie



Residency Match

Name	Institution	Program
Sarah Haeger	University of Colorado, PSTP	Internal Medicine
Eric Cross	University of Pennsylvania, Clinical Pathology	Pathology
Greg Kirkpatrick	University of Iowa, PSTP	Internal Medicine
Josh Wheeler	Stanford University, Neuropathology PSTP	Pathology



Meagan Chriswell (class of 2016) worked on putting together a clinical pearls sheet for the ICU providers to use regarding COVID-19. She then did a deep dive into the immunological mechanisms behind coronavirus infections to help Dr. Poeschla in the ID department. Meghan also working on an IRB with Dr. Zell (my preceptor) to collate a large cohort of rheumatology patients with COVID to see how people who are immunosuppressed do with this virus and how we can better tailor outcomes. She is hoping to get more involved with the IL-6 antibody trial that is going on as well. She is also participating in the COVID-19 course through the med school

Austin Jolly (class of 2016) is a Student Lead for developing the Research Pillar of the COVID19 Student Elective course, developing assignments and manage a team of MS3's and MS4's to help connect students to research projects. He is working closely with Dean Zimmer and Dr. Chad Stickrath as our faculty mentors. Austin is writing a book chapter with Dr. Schwartz (Chair of Medicine). And doing some volunteering (was at Broncos Stadium for Project Cure to collect PPE donations)

Hsieh Joe (class of 2017) is doing some volunteer work as part of the med school COVID19 elective. So far he has signed up for 3 shifts at UCH helping with mask/supply distribution/guarding. He is also in a pen-pal program writing to isolated senior residents

Haeger, Sarah (class of 2012) has been volunteering at the VA helping to lead a group of students that are calling patients with negative COVID results as well as some other administrative tasks



Sarah Zych (class of 2017) is volunteering through the COVID-19 elective service-. She is also helping deliver donated meals to staff alearning pillar writing cards to patients at Denver Health and checking in with isolated seniors through Wish of a Lifetime. She is also helping deliver donated meals to staff at UCH.

Jon Kibbie (class of 2013) is phone-based volunteering for the MS3 COVID elective

Devin Boe (class of 2016) signed up as a health care student at the state's Help Colorado Now website (covrn.com). Pending response

Rachel Ancar (class of 2015) just finished her training to work at the CDPHE lab processing COVID tests. She is supposed to start for real on Monday and will probably be volunteering 8 hours a week

Soraya Shehata (class of 2017) has weekly COVID19 literature review for the Infectious Disease division

Sean Jones (class of 2013) had done some volunteering at University Hospital screening patients and visitors before they switched that to staff members

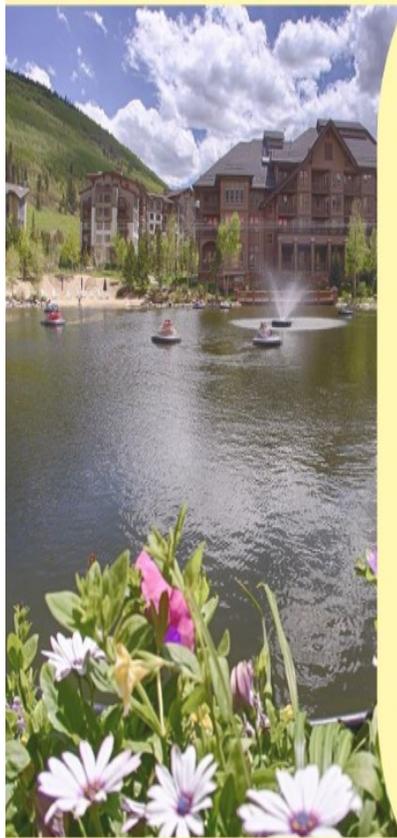
Taylor Soderborg (class of 2012) is volunteering at the Denver Health Incident Command center working on ethics and research ~ 5 days a week working about 8am-6pm.

Alison Hixon (class of 2013) did a few hours of volunteer work last week and the week before that

Meghan Kellett (class of 2016) has applied for volunteer positions pending response



Monday May 18th Graduation Dinner
via ZOOM (link to come later by e-mail)



35th
MD PhD
COPPER
conference
Sept. 18th - 20th, 2020

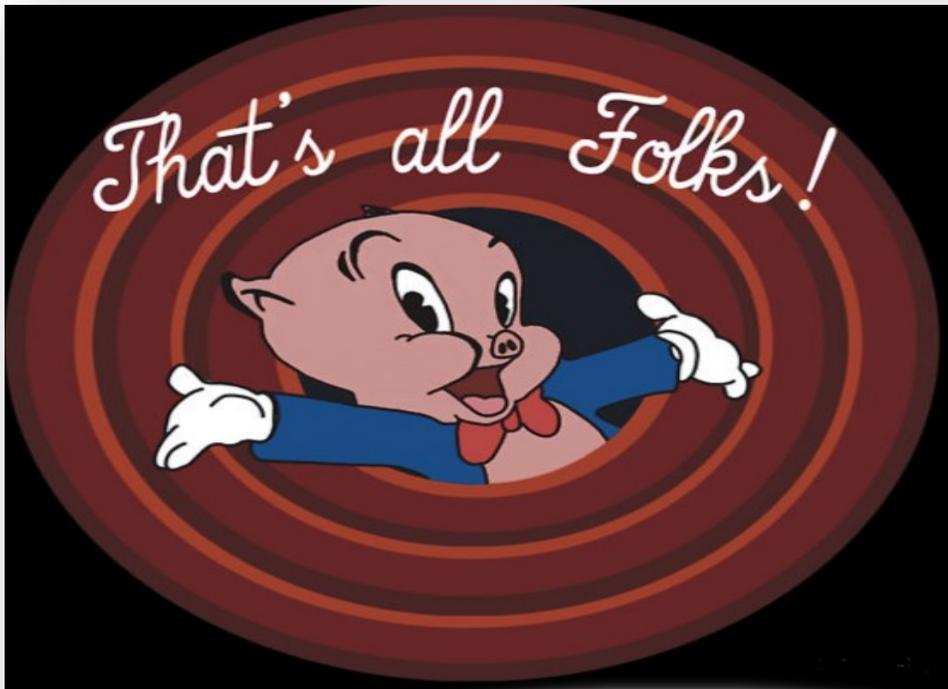


Stay tuned for new Fall date and the strong probability that it will be a virtual, on line meeting that would then be available to all alums, current students and more MD/PhD trainees across the country.



Career Advancement Notices from NIH:

NIH NOSI: Promoting Research Continuity and Retention of NIH K Awardees
The NIH posted a [Notice of Special Interest \(NOSI\)](#) to fund administrative supplements to promote research continuity and retention of NIH K award recipients and scholars by "providing supplemental research support to help sustain the investigator's research during critical life events," including "childbirth, adoption, and primary caregiving responsibilities of an ailing spouse, child, partner, or a member of the immediate family during the project period are critical life events that would qualify for consideration."



STAY SAFE!