



“Innovation & the Business of Science”

A virtual retreat covering resources to support innovation in biomedical research
+ important skills not *formally* taught in MD/PhD training

MD/PhD Medical Scientist Training Program (MSTP) Virtual Spring 2022 Retreat

Details:

- Date/Time/Location: Saturday, April 23, 2022 // 9:00 AM -1:30 PM Eastern // via Zoom
 - (Note: The Zoom meeting link and access information will be provided via Outlook calendar invitation in the days leading up to the event. Please do **not** share the invite with others; this virtual event is only intended for UC MSTP students.)
- Point of contact: For any questions leading up to the retreat, contact [Sara Cohen, MSTP Program Coordinator](#)

Goals

1. Gain a greater awareness of the available institutional resources that support translating discoveries and innovative ideas into products and services that improve health.
2. Define intellectual property resulting from biomedical research; understand when a patent is appropriate and how to apply for it.
3. Develop effective networking strategies to identify mentors and potential future collaborators.
4. Learn about the steps involved in negotiating salary/expectations, starting a lab, and building a team.
5. Hear from a prominent physician scientist about pursuing a career in academic leadership and advice for being an effective leader.
6. Gain insights and advice on MD/PhD training years, from the perspectives of graduating M4 student peers.

EVENT AGENDA

9:00 AM – 9:10 AM: Welcome and Agenda

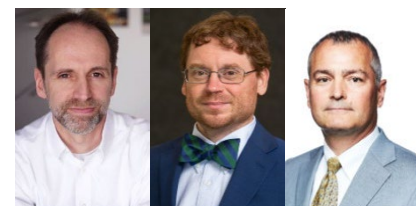
- Sara Cohen – Program Coordinator of MSTP
- Donald Gilbert, MD, MS – Associate Director of MSTP



9:10 – 9:45: Institutional resources that support translating discoveries and innovative ideas into products and services that improve health

(Session features representatives from the UC Office of Innovation and CCHMC Innovative Ventures)

- **Introductions:** By Donald Gilbert, MD, MS – Associate Director of MSTP
- **Presenters:**
 - **Geoffrey Pinski, J.D.:** Assistant Vice President, Technology Transfer, University of Cincinnati
 - **Reid Smith, MBA:** Portfolio Manager for Biologic, Cell and Tissue Therapies at Innovation Ventures, Cincinnati Children’s Hospital
- **Format:** Two 10-minute presentations, followed by a joint 10-minute Q&A
- **Description of content:** Each rep will provide a brief overview of the services and resources available through their respective office that support translating discoveries and innovative ideas into products and services that improve health, such as commercialization, licensing, market analysis, and startup support. Each rep to provide an example success story that is healthcare focused.



9:45 – 10:45: “Hot Topics”

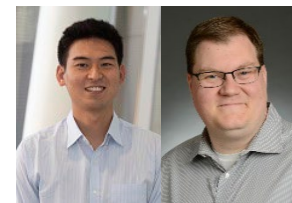
- **Introductions:** By Amanda McGann, G2
- **Format:** 10-minute presentations, each followed by 5-minutes of Q&A
 1. **“When is an idea intellectual property? How to protect your IP and apply for a patent”**
 - **Presenters:**
 - **Seth Reighard, MD, PhD:** 1st-Year Psychiatry Resident, UC Dept. of Psychiatry and Behavioral Neuroscience; UC MSTP Alumnus
 - **Stephen Waggoner, PhD:** Associate Professor of Pediatrics, CCHMC & UCCOM, Division of Human Genetics, Cincinnati Children’s Hospital
 - **Description of content:** This presentation answers the following questions: When does an idea become “intellectual property” (IP)? How should an investigator protect IP? What are the steps involved in applying for a patent, and what is the benefit? This session will also briefly share the experience of how an MSTP student and their PI recently navigated the patent-application process together – and what UC/CCHMC institutional resources they utilized to assist with the process.
 2. **“Networking approaches for extroverts & introverts + best practices for being a good mentor/mentee”**
 - **Presenter: Louito Edje, MD, MHPE, FAAFP:** Professor, Departments of Medical Education and Family and Community Medicine, Designated Institutional Official, University of Cincinnati
 - **Description of content:** Whether you are an extrovert or an introvert, this presentation will explain different approaches (ex: “cold call” via email, network at conferences, etc.) to identify and connect with key members of your “network for success” (ex: could include mentors, possible collaborators in science/medicine/business/law, etc.). This presentation will also provide some best practices for not only being an effective mentor, but also for being a good mentee (ex: drive the relationship, be prepared, be clear about the ask, etc.)
 3. **“Tips for negotiating salary & protected research time”**
 - **Presenter: Eric Raabe, MD, PhD:** Associate professor of Pediatric Oncology and Pathology, Johns Hopkins University School of Medicine; UC MSTP Alumnus
 - **Description of content:** This presentation provides some high-level tips on negotiating salary, protected research time, and other key terms – when accepting your first faculty position



10:45 – 11:00: Break

11:00 – 11:35: What to know about starting a lab & building a team

- **Introduction:** By Keisuke (Kei) Sawada, G1
- **Presenter: Will Zacharias, MD, PhD:** Graduate Advisor, MSTP; Assistant Professor, UC Department of Pediatrics, UC Department of Internal Medicine
- **Format:** 25-minute presentation, followed by 5-minutes of Q&A
- **Description of content:** This session will discuss the behind-the-scenes process for starting a lab and getting it “off the ground,” identifying your “big scientific question(s),” securing initial funding, common mistakes to avoid, and personal advice for building and managing your own lab “dream team.”



11:35 – 12:10: Pursuing a career path in academic leadership + advice for being an effective leader

- **Introduction:** By Akaljot (AJ) Singh, G5
- **Presenter: Jeffrey Whitsett, MD:** Kindervelt Professor of Pediatrics; Co-Director, Perinatal Institute; Chief, Division of Neonatology and Pulmonary Biology, Cincinnati Children's Hospital Medical Center, UC Department of Pediatrics
- **Format:** 20-minute presentation, followed by 10-minutes of Q&A
- **Description of content:** In this session, an internationally-renowned physician scientist who has made groundbreaking contributions to pulmonary medicine will share the following:
 - Briefly discuss their career path and what led them to pursue a career involving academic leadership versus staying completely focused on research.
 - Provide high-level guidance for any interested physician-scientist trainees on how to focus their training and careers to best position themselves to pursue academic leadership positions in the future.
 - Share their personal advice and lessons learned from their career on how to be an effective leader.



12:10 – 12:25: Break

12:25 – 1:15: M4 Pearls of Wisdom



- **M4s:** Tammy Gonzalez, Robert Kleven, Talia Nasr, Michael Petrany, Joe Salomone, Camille Sullivan, Kevin Zhang, Sandra Zoubovsky
- **Format:** M4-led discussions/advice in various breakout groups – two different 10-minute sessions, followed by “M4 Final Words of Advice” joint presentation

1:15 – 1:20: Wrap-Up

- Donald Gilbert, MD, MS – Associate Director of MSTP



1:20 – 1:30: Survey & Adjourn

- Keisuke (Kei) Sawada, G1



Event Virtual Hosts/Administrators:

- Sara Cohen, Program Coordinator of MSTP (*primary event host & point-of-contact*)
- Jennifer Rindler Fridrich, MBA, Administrative Program Director of MSTP

