The Multidisciplinary Engineering and Renal Research for Innovation of Technology (MERRIT) Plan for Summer 2021

Zoom link: https://mssm.zoom.us/j/84336078312

First Week (June 7th – June 11th)

**Monday, June 7th** (Virtual)
10:00 am – 11:00 am: Introduction to the Summer Plan

11:00 am – 12:00 pm: Meet our SURP Alumni

12:15 pm – 12:30 pm: Meet Dr. Eric Nestler, MD, PhD. Dean of Academic and Scientific affairs

12:30 pm – 12:45 pm: Meet Dr. Marta Filizola, PhD. Dean of the Graduate School of Biomedical Sciences

01:00 pm – 01:15 pm: Meet Dr. Dennis Charney, MD. Dean of the Icahn School of Medicine at Mount Sinai

**Tuesday, June 8th** (Virtual)
09:30 am – 09:45 am: Meet Dr. Reginald Miller, DVM, DACLAM. Dean for Research Operations and Infrastructure

10:00 am – 11:00 am: **Introduction to the Post-Baccalaureate Research Education Program (PREP)**
Dr. Jamilia Sly, PhD. Associate Director of PREP
Meet our PREP students

11:00 am – 12:00 pm: **FlexGrad and Traditional Pathway to PhD and MD/PhD Admission**
Dr. Matthew O'Connell, PhD. Senior Associate Dean For Curriculum, Recruitment, and Admissions.

Dr. Talia Swartz, MD, PhD. Associate Dean for MD/PhD Education.

12:00 pm – 01:00 pm: Meet our SURP committee members: Dr. Aya Osman, Dr. Gloriia Novikova, Justine Noel, Joseph Simon and Christopher Guevara

**Wednesday, June 9th** (In-person – Central Park)
09:00 am – 11:00 am: Breakfast (with mentors and committee members)

**Friday, June 11th** (Virtual)
09:00 am – 11:00 am: Dr. Ann-Gel Palermo, DrPH. Senior Associate Dean for Diversity and Inclusion.

**Interactive session: Person-Role-System**

Second Week (June 14th – June 18th)

**Wednesday, June 16th** (Virtual)
09:00 am – 10:00 am: Science Communication
Dr. Daniela Schiller, PhD. Professor, Psychiatry and Neuroscience

**Introduction to Science Communication**

**Thursday, June 17**
09:00 am – 10:00 am: Cutting-Edge Techniques at ISMMS
   Dr. Denise Cai, PhD. Assistant Professor, Neuroscience
   **The Power of Miniscopes for Studying The Brain**

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**Third Week (June 21st – June 28th)**

**Tuesday, June 22nd**
05:00 pm – 06:30 pm: Social Event (Meet with SURP, PhD, and MD/PhD students)

**Wednesday, June 23rd**
09:00 am – 10:30 am: Science Communication
   Dr. James Manfredi, PhD. Professor, Oncological Sciences
   **Improv for Scientists – Session 1**

**Friday, June 26th**
02:00 pm – 3:00 pm: Round table with Dr. Kirk Campbell, MD, Professor, Nephrology

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**Fourth week (June 28th – July 2nd)**

**Wednesday, June 30th**
09:00 am – 10:30 am: Science Communication
   Dr. James Manfredi, PhD. Professor, Oncological Sciences
   **Improv for Scientists – Session 2**

**Thursday, July 1st**
09:00 am – 10:00 am: Cutting-Edge Techniques at ISMMS
   Dr. Kristin Beaumont, PhD. Assistant Professor, Genetics and Genomic Sciences
   **Spatial Transcriptomics, what can it teach us?**

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**Fifth week (July 5th – July 9th)**

**Wednesday, July 7th**
09:00 am – 10:00 am: Science Communication
   Denise Croote, Neuroscience PhD Candidate
   **Elevator Pitch**

**Thursday, July 8th**
09:00 am – 10:00 am: Cutting-Edge Techniques at ISMMS
   Dr. Robert Sebra, PhD. Associate Professor, Genetics and Genomics **Single Cell Sequencing. Where is the technology taking us?**
Sixth week (July 12th – July 16th)

**Tuesday, July 13th** (In-Person – Central Park)
05:00 pm – 06:30 pm: Social Event (Trivia night)

**Wednesday, July 14th** (In-Person – location TBD)
09:00 am – 10:00 am: Science Communication
Denise Croote, Neuroscience PhD Candidate
How to prepare for an interview

**Thursday, July 15th** (Virtual)
09:00 am – 10:00 am: Cutting-Edge Techniques at ISMMS
Dr. Arvin Dar, PhD, Associate Professor, Oncological Sciences and Pharmacological Sciences
Structure Based Drug Design

Seventh week (July 19th – July 23rd)

**Monday, July 19th** (In-Person – Hemodialysis Unit, Klingenstein Clinical Center)
09:00 am – 10:00 am: Dialysis Unit Visit, Dr. Joji Tokita, MD, Associate Professor, Nephrology

**Wednesday, July 21st** (In-Person – location TBD)
09:00 am – 10:00 am: Science Communication
Denise Croote, Neuroscience PhD Candidate
How to prepare a poster

**Thursday, July 22nd** (Virtual)
09:00 am – 10:00 am: Cutting-Edge Techniques at ISMMS
Dr. Tim Ahfeldt, Assistant Professor, Neuroscience
What Magic Can CRISPR Do?

Eighth week (July 26th – July 30th)

**Monday, July 26th** (Virtual)
09:00 am – 10:00 am: Introduction to ISMMS Multidisciplinary training areas (MTAs), Q&A, and discussion
Dr. Doris Germain, PhD, Professor, Oncological Sciences.
Co-Director of the Cancer Biology MTA
Dr. Florence Marlow, PhD, Associate Professor, Cell Development and Regeneration
Co-Director of the Development, Regeneration, and Stem Cells MTA

**Tuesday, July 27th** (Virtual)
09:00 am – 10:00 am: Introduction to ISMMS MTAs, Q&A, and discussion
Dr. Jean Lim, PhD, Associate Professor, Microbiology
Co-Director of the Microbiology MTA
Dr. Konstantina Alexandropoulos, PhD, Associate Professor, Medicine and Clinical
Immunology
Co-Director of the Immunology MTA

Wednesday, July 28th (Virtual)
09:00 am – 10:00 am: Introduction to ISMMS MTAs, Q&A, and discussion
Dr. Laura Huckins, PhD, Assistant Professor, Genetics and Genomic Sciences
Co-Director of the Genetics and Data Sciences MTA

Dr. Avner Schlessinger, PhD, Associate Professor, Pharmacological Sciences
Co-Director of the Pharmacology and Therapeutic Discovery MTA

Thursday, July 29th (Virtual)
09:00 am – 10:00 am: Cutting-Edge Techniques at ISMMS
Dr. Kathryn Bowels, PhD, Instructor, Neuroscience
Organoids, The New Face of Culture

Friday, July 30th (Virtual)
09:00 am – 10:00 am: Introduction to ISMMS MTAs, Q&A, and discussion
Dr. Alan C. Seifert, PhD, Assistant Professor, Radiology
Co-Director of the Artificial Intelligence and Emerging Technologies in Medicine

Dr. Hayit Greenspan, PhD,
Co-Director of the Artificial Intelligence and Emerging Technologies in Medicine

Ninth week (August 2nd – August 6th)

Monday, August 2nd (Virtual)
09:00 am – 10:00 am: Neuroscience MTA introduction, Admissions, Q&A and discussion
Dr. George Huntley, PhD, Professor, Neuroscience
Director of the Neuroscience MTA

Tuesday, August 3rd (In-Person – Central Park)
05:00 pm – 06:30 pm: Social Event (Game Night)

Thursday, August 5th (Virtual)
09:00 am – 10:00 am: Cutting-Edge Techniques at ISMMS
Dr. Nanditha Anandakrishnan, PhD, Postdoc, Nephrology
Kidney organoids

Tenth week (August 9th – August 13th)

Thursday, August 12th (Virtual)
09:00 am – 10:00 am: Cutting-Edge Techniques at ISMMS
Dr. Lior Zangi, PhD, Associate Professor, Cardiology
Modified mRNA Technology: Vaccination and beyond

Thursday, August 13th (In-Person – Siena Cafe)
5:00 pm – 9:00 pm: Dinner with Merrit
Friday, August 14th  (In-Person – location TBD)
11:00 am – 1:00 pm: Poster presentation