



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. Gloriii 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 17th (Virtual)

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

Third Week (June 21st – June 28th)

Tuesday, June 22nd (In-Person – Central Park)

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

Wednesday, June 23rd (In-Person – location TBD)

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

Friday, June 26th (In-Person – Annenberg 23-69)

02:00 pm – 3:00 pm: Round table with Dr. Kirk Campbell, MD, Professor, Nephrology

Fourth week (June 28th – July 2st)

Wednesday, June 30th (In-Person – location TBD)

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

Thursday, July 1st (Virtual)

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?

Fifth week (July 5th – July 9th)

Wednesday, July 7th (In-Person – location TBD)

09:00 am – 10:00 am: Science Communication
Denise Croote, Neuroscience PhD Candidate
Elevator Pitch

Thursday, July 8th (Virtual)

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 23nd)

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 21th (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

