

Short Course on the Genetics of Addiction

January 13-16, 2025

Morgan State University Baltimore, Maryland

Schedule of Activities

Monday, January 13th

8:30 am	Course Welcome & Announcements Elissa Chesler, Ph.D., The Jackson Laboratory
8:45 am	Lecture: Gaps & Opportunities in Addiction Research Ingrid Tulloch, Ph.D., Morgan State University
9:30 am	Lecture: Human Genetics of Addiction Danielle Dick, Ph.D., Rutgers University
10:15 am	Coffee Break
10:45 am	Lecture: Mouse Genetics & Addiction Elissa Chesler, Ph.D., The Jackson Laboratory
11:30 am	Lecture: Modeling Addiction Phenotypes David Jentsch, Ph.D., Binghamton University
12:15 pm	Lunch Break
1:15 pm	Lecture: Genetic Variation of Overdose Jason Bubier, Ph.D., The Jackson Laboratory
2:00 pm	DEMO: MPD, MGI & Mouse Demos TBD from The Jackson Laboratory
2:45 pm	Coffee Break
3:00 pm	Panel Discussion Moderated by: TBD
4:30 pm	Adjourn for Day

Tuesday, January 14th

8:30 am Announcements

8:45 am	Lecture: Transcriptomics Mary Kay Lobo, Ph.D., University of Maryland School of Medicine
9:30 am	Lecture: TBD
10:15 am	Coffee Break
10:45 am	Lecture: Epigenetics: Introduction and Overview Ryan Logan, Ph.D., UMass Chan Medical School
11:30 am	Lecture: Epigenetics of Addiction Jean Lud Cadet, Ph.D., NIDA
12:15 pm	Lunch Break
1:15 pm	Demo: Data Analysis Heidi Fisher, Ph.D., The Jackson Laboratory
2:00 pm	NIDA Funding Opportunities Amy Lossie, Ph.D., NIDA
2:45 pm	Coffee Break
3:00 pm	Panel Discussion Moderated by: TBD
4:30 pm	Adjourn for Day

Wednesday, January 15th

8:30 am	Announcements
8:45 am	Lecture: Introduction to GWAS Howard Edenberg, Ph.D., Indiana University School of Medicine
9:30 am	Lecture: Using GWAS Inferring Transcripome-Therapeutics Alex Hatoum, Ph.D., Washington University in St. Louis
10:15 am	Coffee Break
10:45 am	Lecture: Molecular Genetics – Interpreting GWAS Rohan Palmer, Ph.D., Emory University
11:30 am	Lecture: Chronic Health Holly Moore, Ph.D., NIDA
12:15 pm	Lunch Break
1:15 pm	Demo: Consilience-Geneweaver Webtool Chelsie Benca-Bachman, Ph.D., Brown University

2:00 pm	Demo: All of Us Anjené Musick, Ph.D., MPH, National Institutes of Health
2:45 pm	Coffee Break
3:00 pm	Panel Discussion Moderated by: TBD
4:30 pm	Adjourn for Day

Thursday, January 16th

8:30 am	Announcements
8:45 am	Lecture: Developmental Risk for Addiction TBD
9:30 am	Lecture: ABCD & Addiction Pamela Madden, Ph.D., Washington University in St. Louis
10:15 am	Coffee Break
10:45 am	Lecture: TBD Julie Blendy, Ph.D., University of Pennsylvania Perelman School of Medicine
11:30 am	Lecture: CRISPR TBD
12:15 pm	Lunch Break
1:15 pm	Lecture: Pain TBD
2:00 pm	Lecture: Machine Learning and Phenotyping Vivek Kumar, Ph.D., The Jackson Laboratory
2:45 pm	Coffee Break
3:00 pm	Panel Discussion Moderated by: TBD
4:30 pm	Adjourn