



Short Course on the Genetics of Addiction

Bar Harbor, Maine
October 23 – 26, 2023

DRAFT Schedule of Activities

Sunday, October 22nd, 2023

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| 3:00 pm – 6:00 pm | Registration and Highseas Check-in
<i>Participants are not permitted to enter Highseas prior to 3:00 pm.</i> |
| 5:00 – 6:00 pm | <i>Social Hour</i> |
| 6:00 pm | <i>Dinner</i> |

Monday, October 23rd, 2023

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| 7:00 – 8:00 am | <i>Breakfast</i> |
| 8:00 – 9:00 am | Welcome/ Mouse Genetics of Addiction Overview
Elissa Chessler, Ph.D., The Jackson Laboratory |
| 9:00 – 9:45 am | Topic: Human Genetics Addiction
Rohan Palmer, Ph.D. |
| 9:45 – 10:00 am | <i>Break</i> |
| 10:00 – 10:45 am | Topic: Phenomena of addiction and poly substance use, epidemiology
Ingrid Tulloch, Ph.D., Morgan State University |
| 10:45 – 11:30 am | Topic: High Throughput Genetic Studies of Addiction
Lisa Tarantino, Ph.D., UNC School of Medicine |
| 11:30– 11:45 am | <i>Break</i> |
| 11:45 – 12:30 pm | Topic: Operant Behavior
Jared Bagley, Ph.D., SUNY Binghamton |
| 12:30 – 1:30pm | <i>Lunch</i> |
| 1:30 – 2:15 pm | Topic: Mapping Addiction
Vivek Kumar, Ph.D., The Jackson Laboratory |

2:15 – 2:30 pm	<i>Break</i>
2:30 – 3:15 pm	Topic: Overdose Jason Bubier, Ph.D., The Jackson Laboratory
3:15 – 3:45 pm	<i>Break</i>
3:45 – 5:30 pm	Workshop: Overview of Mouse Phenome Database/Phenotypic Diversity in Addiction Vivek Philip, Ph.D., The Jackson Laboratory
5:30 – 6:30 pm	Town Hall Discussion & Social Hour
6:30 – 7:30 pm	<i>Dinner</i>
7:30 pm	Student Presentations and Introductions

Tuesday, October 24th, 2023

7:30 – 8:00 am	<i>Breakfast</i>
8:00-8:15 am	Announcements
8:15 – 9:00 am	Topic: TBD Olivia Corradin, Ph.D., Whitehead Institute
9:00 – 9:45 am	Topic: Gene Expression Regulation Andreas Pfennig, Ph.D., Carnegie Mellon University
9:45 – 10:00 am	<i>Break</i>
10:00 – 10:45 am	Topic: Single Cell Chris Baker, Ph.D., The Jackson Laboratory
10:45 – 11:30 am	Topic: Patch Seq Kristen O’Connell, Ph.D., The Jackson Laboratory
11:30 – 11:45 pm	<i>Break</i>
11:45 – 12:30 pm	Topic: Systems Genetics Vivek Philip, Ph.D., The Jackson Laboratory
12:30 – 1:30 pm	<i>Lunch</i>

1:30 – 3:00 pm	Workshop: Gene Network, QTL Viewer Jason Bubier, Ph.D., The Jackson Laboratory Elissa Chesler, Ph.D., The Jackson Laboratory Vivek Philip, Ph.D., The Jackson Laboratory
3:00 – 3:15 pm	<i>Break</i>
3:15 – 4:15 pm	Interactive Session- TBD Speaker TBD
4:15 – 5:00 pm	Topic: Intro to GWAS Howard Edenberg, Ph.D., Indiana University School of Medicine
5:00 – 5:30 pm	<i>Free Time / Time to work on project proposals</i>
5:30 – 6:30 pm	Townhall Discussion / Social Hour
6:30 – 7:30 pm	<i>Dinner</i>
7:30 pm	Topic: Funding Opportunities in Addiction Research Amy Lossie, Ph.D., NIDA

Wednesday, October 25th

7:00 – 8:00 am	<i>Breakfast</i>
8:00 – 8:15 am	Announcements
8:15 – 9:00 am	Topic: Heritability Studies Danielle Dick, Ph.D., Rutgers University
9:00 – 9:45 am	Topic: Human Population Diversity Alexander Hatoum, Ph.D., Washington University in St. Louis
9:45 – 10:00 am	<i>Break</i>
10:00 – 11:30 am	Workshop: Post GWAS Analysis Workshop Alexander Hatoum, Ph.D., Washington University in St. Louis Chelsie Benca-Bachman, Ph.D., Emory
11:30 – 11:45 am	<i>Break</i>
11:45 – 12:30 pm	Topic: Modeling Addiction Julie Blendy, Ph.D., University of Pennsylvania
12:30 – 1:30 pm	<i>Lunch</i>

1:30– 2:45 pm	Workshop: CRISPR Design Kevin Peterson, Ph.D., The Jackson Laboratory
2:45 – 3:15 pm	<i>Break</i>
3:15 – 4:30 pm	Topic: Examples of Integrated Model System with Human Data Chelsie Benca-Bachman, Ph.D., Emory
4:30 – 5:30 pm	<i>Free Time / Time to work on project proposals</i>
5:30 – 6:30 pm	Townhall Discussion & Social Hour: Professional Development/Grantsmanship
6:30 – 8:30 pm	<i>Lobster Dinner</i>

Thursday, October 26th, 2023

7:00 – 8:00 am	<i>Breakfast</i>
8:00 – 8:15 am	Announcements
8:15 – 9:00 am	Topic: Sex Differences Maria Sepulveda, Ph.D., UPR
9:00 – 9:45 am	Topic: Cross Species Data Integration Robyn Ball, Ph.D., The Jackson Laboratory
9:45 – 10:00 am	<i>Break</i>
10:00 – 10:45 am	Topic: TBD Speaker TBD
10:45 – 11:30 am	Topic: Current Problems, Future Directions David Jentsch, Ph.D., Binghamton University
11:30 – 11:45 am	<i>Break</i>
11:45 – 12:30 pm	<i>Free Time / Work on Project Proposals</i>
12:30 – 1:30 pm	<i>Lunch</i>
1:30 – 3:00 pm	Student Group Project Proposals Amy Lossie, Ph.D., NIDA
3:00 – 3:15 pm	<i>Break</i>

3:15 – 4:30 pm

Student Group Project Proposals – Part 2

Amy Lossie, Ph.D., NIDA

4:30 – 6:30 pm

Free Time / Tour of The Jackson Laboratory

6:30 pm

Dinner on your own (Snack Room will be available)