



Short Course on Systems Genetics

October 19-26, 2009

This schedule is subject to change.

For more information, please contact Nancy Place; nancy.place@jax.org

COURSE SCHEDULE

Monday, October 19th

PM

12:00-6:00 Registration Luncheon Buffet and Highseas Check-In

6:00-7:00 Dinner

7:00-7:30 Welcome
Gary Churchill, The Jackson Laboratory

Tuesday, October 20th

AM

8:30- 8:45 Course Evaluations
Suzanne Hart, The University of Maine, Orono

8:45-10:30 QTL Analysis I: Introduction
Karl Broman, University of Wisconsin, Madison

10:30-11:00 Break

11:00-12:00 QTL Analysis II: Special Topics
Saunak Sen, University of California, San Francisco

PM

12:00-1:00 Lunch

1:00-2:30 QTL Analysis III: Multiple Loci
Karl Broman, University of Wisconsin, Madison

2:30-3:00 Break

3:00-4:30 Lab: R/ctl
Karl Broman, University of Wisconsin, Madison

6:00-7:00 Dinner

7:00-8:30 Evening Discussion (Living Room)

Wednesday, October 21st

AM

8:30-10:00 QTL IV: Bayesian Methods
Brian Yandell, University of Wisconsin, Madison

10:00-10:30 Break

10:30-12:00 Systems Genetics in Mice: Clinical Phenotyping
Karen Svenson, The Jackson Laboratory

PM

12:00-1:00 Lunch

1:00-2:30 Microarray Analysis: Introduction
Gary Churchill, The Jackson Laboratory

2:30-3:30 Break

3:30-5:00 Lab: QTL Software Tools
*Brian Yandell, University of Wisconsin, Madison
& Randy Von Smith, The Jackson Laboratory*

6:00-7:00 Lobster Dinner

Thursday, October 22nd

AM

8:30-10:00 Genetical Genomics in Plants
Ritsert Jansen, Groningen Bioinformatics Centre

10:00-10:30 Break

10:30-12:00 QTL V: Causal Inference
Gary Churchill, The Jackson Laboratory

PM

12:00-1:00 Lunch

1:00-6:00 Free Time

7:00-8:30 Special Guest Lecture – TBA
Alan Attie, University of Wisconsin, Madison

Friday, October 23rd

AM

9:00-10:30 Microarray Analysis II: Empirical Bayes Methods
Christina Kendziorski, University of Wisconsin, Madison

10:30-11:00 Break

11:00-12:00 TBA

PM

12:00-1:00 Lunch

1:00-2:30 Gene Expression Networks II
Elissa Chesler, The Jackson Laboratory

2:30-6:00 Free Time

6:00-7:00 Dinner

7:00-8:30 Evening Discussion (Living Room)

Saturday, October 24th

AM

9:00-10:30 Gene Expression Networks I
Steve Horvath, University of California, Los Angeles

10:30-11:00 Break

11:00-12:00 Search Methods for Gene Expression Databases
Matt Hibbs, The Jackson Laboratory

PM

12:00-1:00 Lunch

1:00-2:30 Live Demo of Genetical Genomics Workflow
Ricardo Verdugo, The Jackson Laboratory

3:00-4:30 Lab: Introduction to Software Tools
Steve Horvath, University of California, Los Angeles
Elissa Chesler, The Jackson Laboratory

4:30-6:00 Free Time

6:00-7:00 Dinner

Sunday, October 25th

AM

9:00-10:00 Recap and Discussion
Gary Churchill, The Jackson Laboratory

10:00-10:30 Break

10:30-12:00 Web Resources for Mouse Genetics
Carol Bult, The Jackson Laboratory

PM

12:00-1:00 Lunch

1:00-5:30 **Free Time** – Computer Lab Available

6:00-7:00 **Dinner**

End of Course