

GENE NETWORKS COURSE

Lectures

Computational methods and network projects

Chalk talks

Wetlab demos

T. Oct13

7:30pm Meigs Room, Swope - Reception and Welcome (Dave)

W. Oct14

10am Speck Aud.	Principles of developmental gene regulatory networks (EHD).
11:15 405 Rowe	Coffee and Discussion
12:30 Swope	Lunch
2:00 MBL Club	Introduction to BioTapestry (Bill)
6:00 Swope	Dinner
7:30 405 Rowe	Network models (Hamid)

T. Oct15

10 am Speck Aud.	Principles of embryonic development (Dave)
11:15 405 Rowe	Coffee and discussion
12:30 Swope	Lunch
2:00 405 Rowe	Transcriptional processes and gene regulation in animal cells (EHD)
4:00 405 Rowe	Handout drylab projects (Staff)
6:00 Swope	Dinner
7:30 405, 422, 424 Rowe	Drylab teams meet to plan projects

F. Oct16

10am Speck Aud.	Principles of postembryonic development (Ellen)
11:15 405 Rowe	Coffee and Discussion
12:30 Swope	Lunch
2:00 422 Rowe	Sea urchin embryos1 (Isabelle & Dave)
6:00 Swope	Dinner
7:30 405 Rowe	GRN subcircuit kinetic analysis (Hamid)

S. Oct17

10am Speck Aud.	The sea urchin GRN (Paola)
11:15 405 Rowe	Coffee and discussion
12:30 Swope	Lunch
2:00 422 Rowe	Sea urchin embryos 2 (Isabelle & Dave)
6:00 Swope	Dinner
7:30 405 Rowe	Development from stem cells (Ellen)

S. Oct18

10 am Candle House	Gradients and cis-regulatory spatial control in early Drosophila (Angela)
11:15 405 Rowe	Coffee and discussion
12:30 Swope	Lunch
2:00 405 Rowe	Analyzing gene expression datasets (Hamid)

6:00	Swope	Dinner
7:30	405 Rowe	Mesoderm development in <i>Drosophila</i> (Angela)
M. Oct19		
10am	Candle House	Ciona GRN (Lemaire)
11:15	405 Rowe	Coffee and discussion
12:30	Swope	Lunch
2:00	405 Rowe	Subcircuits of the sea urchin embryo GRN (Paola)
4:00	422 Rowe	Sea urchin & ascidian embryos 3(Isabelle, Dave, Patrick)
6:00	Swope	Dinner
7:30	422 Rowe	Sea urchin & ascidian embryos 3(Isabelle, Dave, Patrick)
T. Oct20		
10am	Candle House	Vertebrate neural crest GRN (Marianne)
11:15	405 Rowe	Coffee and discussion
12:30	Swope	Lunch
2:00	405,422 Rowe	Work on projects
6:00	Swope	Dinner
7:30	405, 422 Rowe	Sea urchin & ascidian embryos 4(Isabelle, Dave, Patrick) Project results
W. Oct21		
10am	Candle House	Chordate evolution (Lemaire)
11:15	405 Rowe	Coffee and discussion
12:30	Swope	Lunch
2:00	405 Rowe	Evolution of the neural crest GRN (Marianne)
6:00	Swope	Dinner
7:30	405 Rowe	Dynamic endoderm specification GRN (Isabelle)
T. Oct22		
10am	Candle House	Organization of transcriptional systems (Levine)
11:15	405 Rowe	Coffee and discussion
12:30	Swope	Lunch
2:00	Rowe/MBL club	Work on projects
6:00	Swope	Dinner
7:30	405 Rowe	The dorsal control system (Levine)
F. Oct23		
10am	Candle House	Evolution as change in developmental GRNs (EHD)
11:15	405 Rowe	Coffee and discussion
12:30	Swope	Lunch
2:00	405 Rowe	Reports on Projects
S. Oct24		
10am	405 Rowe	Summary Discussion of main points (Staff)
12:30	Swope	Lunch
Afternoon departure		