Program

Tuesday, January 18, 2010

Welcome to Brown faculty in the evening (guest speakers and host institute faculty)

Wednesday, January 19, 2010

09.00am - 09.30am	Introduction and welcome to students (Basak, Fallon)
09.30am - 10.30am	Overview of basic genetic concepts and model organisms (Rob Reenan)
10.30am - 11.00pm	Coffee break
11.00am - 12.00pm	Anne Hart: **C. Elegans**; Lecture Part I
12.00pm - 01.00pm	Lunch break
01.00pm - 02.00pm	Anne Hart: **C. elegans**; Lecture Part II
02.00pm - 02.30pm	Round table discussion (Anne Hart, faculty and students)
02.30pm - 03.30pm	Rob Reenan: **Drosophila**; Lecture Part I
03.30pm - 04.00pm	Coffee break
04.00pm - 05.00pm	Rob Reenan: **Drosophila**; Lecture Part II
05.00pm - 05.30pm	Round table discussion (Rob Reenan, faculty and students)
07.00pm - 10.00pm	Dinner with all attendants

Thursday, January 20, 2010

09.00am - 10.00am	Gilad Barnea: **Mouse;** Lecture Part I
10.00am - 10.30am	Coffee break
10.30am - 11.30am	Gilad Barnea: **Mouse**; Lecture Part II
11.30am - 12.00pm	Round table discussion (Gilad Barnea, faculty and students)
12.15pm - 1.15pm	**Working lunch: Bioinformatics Mini-Workshop, Group 1** (Barnea, Fallon, Hart, Reenan)
1.30pm – 2.30pm	**Working lunch: Bioinformatics Mini-Workshop, Group 2** (Barnea, Fallon, Hart, Reenan)
02.30pm - 03.00pm	Summary discussion with Groups 1 and 2
0315pm - 04.15pm	Justin Fallon: **From Model Organism to Therapy;** Lecture Part I
04.15pm - 04.30pm	Coffee break
04.45pm - 05.45pm	Justin Fallon: **From Model Organism to Therapy**; Lecture Part II
05.45pm - 06.15pm	Round table discussion (Justin Fallon, faculty and students)
07.00pm - 10.00pm	Dinner with all attendants

Friday, January 21, 2010 **Research Seminars**

09.00am - 09.30am	Anne Hart "*What C.elegans and Drosophila tell us about Spinal Muscular Atrophy*"
09.30am - 10.00am	Gilad Barnea "*The Neural Circuits Underlying Olfactory Perception"*
10.00am - 10.30am	Rob Reenan "*Taming Medusa: Genetic and Molecular Dissection of a Complex Nervous System Process"*
10.30am - 11.00am	Coffee break
11.00am - 11.30am	Justin Fallon "*The Path to a Treatment for Muscular Dystrophy: From Electric Fish to a Candidate Therapeutic"*
11.30am - 12.00pm	A. Nazlı Başak "*Research Lines of NDAL: Where can we connect?"*

End of Meeting

Suna Kıraç Workshop
on Neurodegenerative Disease
Istanbul

From Genetic Models to Therapies

January 18 – 21, 2011

Application Form for Participants	
Name, Surname:	
Title:	
Affiliation:	
Research/Thesis Topic:	
e-mail:	

APPLICATION DEADLINE: DECEMBER 20, 2010

ATTENDING BROWN FACULTY

Anne Hart, Ph.D., Associate Professor of Biology

Dr. Anne Hart obtained her Ph.D. in Neuroscience at UCLA with Dr. S.L. Zipursky working on cell fate specification in the Drosophila eye. She undertook her post-doctoral training in C. elegans genetics with Dr. J. Kaplan at Massachusetts General Hospital and Harvard Medical School. Dr. Hart established her own laboratory at MGH and was a professor in the Department of Pathology for 13 years before moving to the Department of Neuroscience at Brown University in 2009. Her laboratory uses *C. elegans* to delineate 1) conserved molecular and cellular sensory mechanisms and 2) pathological mechanisms underlying neurodegenerative diseases including Huntington's disease and Spinal Muscular Atrophy.

Robert Reenan, Ph.D., Professor of Biology

Robert Reenan trained as a graduate student in the laboratory of Dr. Richard Kolodner at Harvard Medical School where he studied the process of DNA repair in yeast, discovering genes that would become important in human cancer. He then pursued post-doctoral work in the Laboratory of Genetics at University of Wisconsin-Madison under Dr. Barry Ganetzky. There, he started a lifelong love affair with behavioral neurogenetics studying, in particular, ion channel genes in the fruit fly. He began his independent career at the University of Connecticut Medical School in the Department of Genetics where he discovered the process of RNA editing in the nervous system of the fly. Reenan joined the faculty at Brown University in the summer of 2006.

Gilad Barnea, Ph.D., Assistant Professor of Neuroscience

Dr. Gilad Barnea obtained his Ph.D. in Pharmacology from New York University, where he worked with Dr. Joseph Schelessinger on cloning and characterization of a new family of receptor tyrosine phosphatases. He then switched fields to Neuroscience and moved to Columbia University, where he studied the molecular organization of the mammalian olfactory system with Dr. Richard Axel. In 2007, Dr. Barnea established his own laboratory at Brown University. The main focus of his research is on understanding how the olfactory system detects and identifies odor stimuli and how this information is translated into behavioral outputs. The Barnea lab is developing molecular strategies for trans-synaptic labeling of neural circuits and for selectively recording the activation of specific dopamine receptor subtypes *in vivo* both in mice and in flies.

Justin Fallon, Ph.D., Professor of Medical Science

Justin Fallon, professor of medical science, has a longstanding interest in developmental neurobiology and the mechanisms underlying neurological disease. More recently he has been directly involved in developing therapeutics for muscular dystrophy. After his Ph.D. work in cell motility at the University of Pennsylvania he spent three year as an NIH Postdoctoral Fellow at University College London, where he worked on axonal guidance and regeneration with Martin C. Raff. Fallon gained further training with U.J. McMahan at Stanford University, where he began his interest in synapse formation and plasticity. He had own laboratory at the Worcester Foundation for Experimental Biology for 10 years before moving to Brown in 1996.

ATTENDING BROWN TEACHING ASSISTANTS

Atılgan Yılmaz
PhD Student
Fallon Lab

Aslı Şahin
PhD Student
Reenan Lab

Altar Sorkaç
PhD Student
Hart Lab