

In Celebration of
Phillip A. Sharp
& his Alumni/ae of 30 Years

***“Adventures in Eukaryotic Gene
Expression: Transcription, Splicing,
Polyadenylation, and RNAi”***

Distinguished Guest Lecturer:
Pierre Chambon, IGBMC, France
Moderator: Steve Buratowski

***“Genetic dissection of retinoid signaling through cell-specific
temporally-controlled targeted mutagenesis”***

Sharp Lab Alumni/ae Speakers

Richard Carthew

Lewis A. Chodosh

David E. Fisher

Claire Moore

Melissa J. Moore

Ben Shykind

Tom Tuschl

Phil Sharp

“Genes and biological complexity”

“Breast cancer reversibility and progression”

“From MLTF to human cancer”

“Novel connections between the mRNA 3’ end processing, transcription, and export machineries”

“The exon junction complex”

“One cell, one receptor: generating neuronal diversity in the olfactory system”

“Biochemical analysis of mammalian RNA silencing mechanisms”

Closing remarks

Poster Session Presentations

Minou Bina:

Locating the control elements in human DNA

Myles Brown:

New roles for steroid receptor coregulators

Steve Buratowski:

Connecting transcription with mRNA processing and chromatin

Christopher Burge & Zefeng Wang:

Exonic silencers of splicing

Chonghui Cheng:

Signal transduction and alternative splicing

Gilbert Chu:

Transcriptional responses to DNA damage predict toxicity from radiation therapy

Richard Condit:

Vaccinia virus transcription elongation

John Doench:

Specificity and mechanism of microRNAs

William Fairbrother:

Exonic splicing enhancers

Andrew Fire:

Molecular warning lights: three “unwanted” nucleic acid structures that trigger genetic silencing

Paula Grabowski:

Splicing decisions, neurons, and G clusters

Alla Grishok:

miRNA pathway genes and cell division in C. Elegans

Hristo Houbaviy:

Embryonic stem cell-specific microRNA cluster

Jørgen Kjems:

Role of TAR RNA in HIV-1 dimerization

Magda Konarska & Charles Query:

Equilibrium between spliceosome conformations controls fidelity of pre-mRNA splicing

Thomas Kristie:

HCF-1 control of HSV lytic and latent cycles

Frank Laski:

Regulation of Drosophila development

Rachel Meyers:

Towards the development of an siRNA therapeutic

Claire Moore:

Polyadenylation: beyond the basics

Rick Padgett:

Splicing in a minor key

Jeff Parvin:

Breast and ovarian specific tumor suppressor BRC1A1

Chris Petersen:

Mechanism of microRNA silencing in mammals

John Sedivy:

MYC targets and senescence

Ben Shykind:

Generating neuronal diversity in the olfactory system

Dean Tantin:

Oct protein function in and out of the immune system

Anders Virtanen:

Poly(A)-specific ribonuclease: Connecting the mRNA 5’ and 3’ ends

June 5, 2004

Media Lab, E15 Auditorium (Wiesner Building), 20 Ames Street