

PROGRAM

Thursday, May 9

5:00 pm Cocktails

6:00 Dinner

7:30 Guest speaker: James C. Leiter, M.D., Professor of Physiology,
Dartmouth Medical School

"Cellular basis of CO₂ chemosensitivity in Helix aspersa"

Friday, May 10

7:30 am Breakfast

SCIENTIFIC SESSION I – Andrew Daubenspeck, Chair

8:30-8:50 am: Catherine J. Ackley, Dartmouth

Characterization of Gata-1 Binding to the Unique Regulatory
Elements of the β -globin Locus Control Region

8:50-9:10: Deborah C. Solymar, Harvard

A novel 3' interleukin-4 gene enhancer is active in both Th2
cells and mast cells

9:10-9:30: John C. Randell, Harvard

A novel processivity mechanism used by the herpes simplex
virus DNA polymerase

9:30-9:50: Jason C. Tanny, Harvard

Mechanisms of silent chromatin assembly in budding yeast

9:50-10:10: Yukari Tokuyama, Cincinnati

Phosphorylation of NPM and its role in centrosome
duplication

10:10-10:30: Sergio A. Quezada, Dartmouth

Inducing tolerance to allograft transplantation with a donor specific transfusion and α -CD154: unraveling the mechanisms behind the phenomena

10:30-10:50: Sharyl L. Wong, Harvard

An improved method of predicting transcription factor binding sites

10:50-11:00 Coffee Break

SCIENTIFIC SESSION II – Robert Highsmith, Chair

11:00-11:20: Brian L. Jones, Dartmouth

Mechanisms of anabolic androgenic steroid modulation of GABA_A receptors

11:20-11:40: Han.S. Lee, Cincinnati

Circadian rhythmicity of ERK phosphorylation in the hamster suprachiasmatic nucleus

11:40-12:00 pm: Katherine S. Grant, Dartmouth

Effect of mouse uterine stromal cells on epithelial cell TGF β and THF α release and transepithelial resistance (TER) in culture

12:00-12:20: Jason R. Pfeiffer, Dartmouth

Studies of *Helix aspersa* Na⁺/H⁺ Exchanger (NHE) activity and nucleotide sequence

12:20-12:40: Susan E. Arruda, Dartmouth

An allele of *pawn* that disrupts phototransduction in drosophila

12:45 PM Photo/Lunch followed by Free Time

5:00 Cocktails

6:00 Dinner

7:30 Albert J. Ryan Fellowship Foundation Report, Robert Manley, James McNeal

8:00 Guest speaker: Nansie A. McHugh, Ph.D., Senior Scientist at the

Schering-Plough Research Institute

" *Making the Transition from Academia to Industry* "

Saturday, May 11

7:30 am Breakfast

SCIENTIFIC SESSION III – Jocelyn Spragg, Chair

8:30-8:50: Bradley Carthon, Harvard

In vivo role of D-Type cyclins in development and breast cancer

8:50-9:10: Karen Liby, Cincinnati

Prolactin as a local growth factor in breast cancer

9:10-9:30: Nina Reiniger, Harvard

CFTR-dependent gene expression in response to *Pseudomonas aeruginosa* in human lung epithelial cells

9:30-9:50: Kyle S. MacLea, Dartmouth

Structure of human deoxyribonuclease $ii\alpha$: implications for cystic fibrosis therapy

9:50-10:10: Leigh-Anne Miller, Cincinnati

Role of sonic hedgehog in lung development

10:10-10:30: Aryaman K. Shalizi, Harvard

The ERK5-MEF2 signaling pathway mediates BDNF-induced

neuronal survival by inducing the expression of NT-3

10:30 Coffee Break

SCIENTIFIC SESSION IV – Andrew Daubenspeck, Chair

10:40-11:00: Kate Lillard-Wetherell, Cincinnati

Association of the BLM helicase with the telomere-specific protein TRF2 in cells using ALT

11:00-11:20: Shawn Jeffries, Cincinnati

Characterization of a large molecular weight Notch complex in the nucleus of Notch^{ic} transformed cells

11:20-11:40: Erica Larschan, Harvard

The *S.cerevisiae* SAGA complex functions *in vivo* as a coactivator for transcriptional activation by Gal4

11:40-12:00 pm: Henning F. Horn, Cincinnati

Phosphorylation of p21^{waf1/cip1} by mapk is important for its efficient nuclear translocation and suppression of ras-mediated transformation

12:00-12:20: Brenda L. Petrella, Dartmouth

Regulation of matrix metalloproteinases in VHL^{-/-} renal cell carcinoma

12:20-12:40: Steven P. Angus, Cincinnati

Mechanism of DNA replication inhibition by the retinoblastoma tumor suppressor

12:45 pm: Lunch/Departure