9:00 Introduction—Overview and Objectives

Session I: Mobile Elements

09:15–09:45  Marlene Belfort (UAlbany)
    *Inteins as parasitic, adaptive mobile-elements*

09:45–10:15  Joan Curcio (Wadsworth Center)
    *The role of the host cell in assembly of retrotransposition-competent Ty1 virus-like particles*

10:15–10:30  Prashanth Rangan (UAlbany)
    *Regulation of transposons during germline stem cell differentiation*

Break 10:30-10:45

Session II: RNA Viruses

10:45-11:15  Patrick Maxwell (RPI)
    *Regulation and Impact of Retrotransposons During Aging*

11:15-11:45  Arlene Ramsingh (Wadsworth)
    *Virus/Host Dynamics: Uncovering therapeutic targets*

11:45-12:15  Cara Pager (UAlbany)
    *The role of host mRNA-decay factors in hepatitis C virus gene regulation*

Lunch 12:15 – 2:00

Session III: Factors Influencing Spread

2:00 – 2:30  Laura Kramer (Wadsworth)
    *Adaptive Evolution of West Nile virus*

2:30 – 3:00  Katy Gonder (UAlbany)
The Natural History of Simian Immunodeficiency Viruses

3:00 – 3:30 Colin Malone (NYU)
Manipulation of the Drosophila ovary by an intracellular pathogen

Break 3:30-3:45

Session III: Mechanisms of Control

3:45-4:15 Carla Theimer (UAlbany)
Noncoding RNA structure and gene expression control in the preQ1 riboswitch

4:15-4:30 Paul Agris (UAlbany)
Exploiting HIV’s fanaticism for host cell tRNA\textsubscript{Lys3}

4:30-5:00 Daniele Fabris (UAlbany)
MS-based strategies for the elucidation of RNA – ligand interactions involved in viral controls

5:00 Closing Remarks

5:15 - 7:00 Happy Hour and Discussion