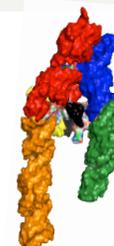


## Mini-symposium: "RNA and Disease"

Building 549 Conference Room  
 Frederick, MD, May 30, 2013



Cellular functions depend on numerous protein-coding and non-coding RNAs and their associated proteins within ribonucleoprotein complexes. Mutations disrupting any of these components, or factors mediating their assembly, structure, or function, can be deleterious. Alternative splicing endows on cells the capacity to fine-tune their transcriptome and proteome in response to cues. Splicing depends on a complex code, numerous RNA-binding proteins and an enormously intricate network of interactions among them, increasing the opportunity for exposure to mutations and mis-regulation that cause disease. The discovery of disease-causing mutations in RNAs is yielding a wealth of new therapeutic targets, and the growing understanding of RNA biology and chemistry is providing new RNA-based tools for developing therapeutics. With these issues in mind, the Center of Excellence in HIV/AIDS and Cancer Virology is sponsoring a 1-day "RNA and Disease" mini-symposium on May 30, at NCI-Frederick, combining a series of talks from experts in the extramural field with short presentations highlighting research programs of selected CCR researchers. Invited speakers include:

Paloma Giangrande	University of Iowa
Peixuan Guo	University of Kentucky
Adrian Krainer	Cold Spring Harbor laboratory
Judy Lieberman	Harvard Medical School
Neocles Leontis	Bowling Green State University
Christopher Sullivan	University of Texas at Austin
Benjamin tenOever	Mount Sinai Hospital
Robert Blumenthal	CCR/NCI
Natasha Caplen	CCR/NCI
Shalini Oberdoerffer	CCR/NCI
Bruce Shapiro	CCR/NCI

Please join us for what promises to be an exciting day of presentations as the CCR embarks on efforts to coordinate its expertise in RNA biology.

### Organizing Committee:

Stuart Le Grice  
 Bruce Shapiro  
 Shalini Oberdoerffer  
 Denise Whitby  
 Natasha Caplen  
 Zhi-Ming Zheng

