The Department of Chemistry
And the Department of Biochemistry & Molecular Biophysics
Present

# 2011 Chemical Biophysics Mini-Symposium

# Nucleic Acids

## December 2nd, 2011
## Lynch Auditorium, Chemistry Building

**12:30-1:20** **Dinshaw Patel,** Memorial Sloan-Kettering Cancer Center
*Structural biology of RNA-mediated gene regulation*

**1:20-1:40** **Julie Griepenburg,** Department of Chemistry, Dmochowski Lab
*Regulating gene expression using light-activated oligonucleotides*

**1:40-2:00** **Sandya Ajith,** Department of Biochemistry and Molecular Biophysics, Lynch Lab
*Investigating the mechanism by which CELF2 regulates LEF1 alternative splicing*

**2:00-2:50** **Mark Behlke,** Integrated DNA Technologies
*A new generation of qPCR assays which use internally quenched probes*

**2:50-3:10** Coffee Break

**3:10-4:00** **Ruben Gonzalez,** Columbia University
*The structural dynamics of protein synthesis by the ribosome*

**4:00-4:20** **Ihab Younis,** Department of Biochemistry and Molecular Biophysics, Dreyfuss Lab
*A novel role for U1 snRNP in protecting pre-mRNA from premature cleavage and polyadenylation*

**4:20-4:40** **Henry Wang,** Vagelos Scholar, Shorter Lab
*Defining How Kapβ2 Affects the Aggregation Characteristics of FUS, an ALS-Linked Protein*

**4:40-5:30** **Eric Kool,** Stanford University
*Replacing the bases in DNA: Design of chemical and biological reporters*

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