

# WEBINAR

## Targeting Noncoding RNAs in Disease: Challenges and Opportunities



**Wednesday, September 4, 2013**

12 noon Eastern, 9 a.m. Pacific, 5 p.m. UK, 6 p.m. Central Europe

Noncoding RNAs make up the majority of transcribed RNA and have a wide range of functions in cellular and developmental processes. Consequently, they are also implicated in the development and pathophysiology of many diseases and represent potential targets for therapeutic intervention. microRNAs are one class of noncoding RNA that has been intensely studied. Effective inhibition (or silencing) of microRNAs in vivo has enabled scientists to make groundbreaking discoveries about the contribution of these short regulating RNAs to some of the major human diseases, such as cancer, heart disease, and diabetes. Long noncoding RNAs are less well studied, but have recently emerged as another novel class of therapeutic targets in a variety of diseases. Both long and short noncoding RNAs represent new avenues of investigation for drug discovery with several advantages over traditional protein-based targets; however, they come with their own unique set of challenges.

### During the webinar the expert panel will:

- Introduce the concept of using noncoding RNAs as therapeutic targets in human disease
- Discuss the unique challenges of targeting functional RNA in vivo
- Describe recent advances enabling effective in vivo inhibition of noncoding RNA
- Answer audience questions during the live webinar.

## Speakers



### David Corey, Ph.D.

Department of Pharmacology  
University of Texas Southwestern  
Medical Campus  
Dallas, Texas



### Stefanie Dimmeler, Ph.D.

Institute of Cardiovascular  
Regeneration, Goethe-University  
Frankfurt, Germany



### Jan-Wilhelm Kornfeld, Ph.D.

Department of Mouse Genetics  
and Metabolism  
University of Cologne  
Cologne, Germany

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