



Learn from the Experts in RNAi

Sigma® is Providing an Educational Workshop Just for You.

"The Sigma-Aldrich RNAi workshop included a nice balance of theoretical and practical information. In particular, the hands-on components of the workshop showed me how easily I could incorporate siRNA and shRNA approaches into my research projects. The Sigma-Aldrich RNAi team was knowledgeable, helpful, and above all, friendly and accessible."

*– Jon Fisher
St. Louis University, USA*

"Absolutely awesome. Everyone at Sigma is very receptive and ready to assist with all needs. I would highly recommend this workshop to anyone in the field. I am very glad that I had this opportunity."

*– Laia Gómez Baldó
Institut Català d'Oncologia, Spain*

Are you interested in learning more about vector-based RNAi?
Do you find viral packaging & delivery concepts challenging?
Would hands-on experience with siRNA and shRNA be helpful?

Laboratory and Seminar-Based Workshop on RNAi!

Workshop: Synthetic and Viral-based Systems for Gene Silencing: Level II

Participant	Course No.	Registration Fee (\$)
Industry Participant	RNAI01	1,750.00
Academic Participant	RNAI02	1,250.00
Functional Genomics Partnership Program Member	RNAI03	950.00

Date: August 11-13, 2009

Where: Sigma Life Science and High Technology Center, St. Louis, Missouri, USA



The workshop will feature a lecture presented by a key researcher in the field of RNAi. Seminars and laboratory sessions will be presented by Sigma R&D scientists.

We are pleased to announce that we are now able to bring the workshop to you! If you would like more information about bringing the workshop to your institution or for additional details, please contact MissionRNAi@sial.com.

MISSION[®]RNAi
Accelerate, Innovate, Create

Sign up for this exclusive hands-on RNAi Workshop at sigma.com/workshop



Synthetic and Viral-based Systems for Gene Silencing Workshop Agenda

Lecture & Laboratory Topics

- RNAi mechanism
- Applications for RNAi
- siRNA & shRNA methodologies
- Design
- Cell-based assays
- RNAi in difficult cell types
- Viral delivery systems
- Packaging methods
- Screening strategies
- Transduction optimization
- Titer methods
- In Vivo techniques
- Viral handling
- Proper controls

"I was really happy to see that it was a *real technology workshop* and not a 'sales' workshop."

– Anne-Sophie Guenier
IRIC, Canada

Day 1

Introduction to RNAi Technology
shRNA and Lentiviral Delivery Systems
Viral Packaging
Lab Practical - Viral Packaging
Lentiviral Transduction Process
Lab Practical - Transduction
Troubleshooting and FAQ

Day 2

Applications of Lentiviral Delivered shRNA
Lab Practical - Magnetic Transduction
siRNA Design and Delivery
Minimizing Off-target Effects
Applications in RNAi, Guest Lecturer

Day 3

Cell-based Assays
Screening Strategies
In Vivo Applications