

Advanced Course
Spring Semester 2005

Experimental Approaches to Complex Genetic Disease

Course Directors: Joachim Herz and Lisa Monteggia



Course Schedule

[\(download PDF\)](#)

Location: Room K4.600 (Physiology Conference Room)

Time: 9 am - 10.30 am

Monday, March 21

[Lisa Monteggia](#)

Manipulating Genes in the Mouse - Experimental Approaches

Wednesday, March 23

[Lisa Monteggia](#)

Exploring Brain Function in the Mouse

Monday, March 28

[Joachim Herz](#)

I. Experimental Genetics of Lipoprotein Metabolism, Atherosclerosis and Alzheimer's Disease

[Reading 1](#) [Reading 2](#)

Wednesday, March 30

[Joachim Herz](#)

II. Experimental Genetics of Lipoprotein Metabolism, Atherosclerosis and Alzheimer's Disease

[Reading 3](#) [Reading 4](#)

Monday, April 4

[Michael White](#)

Use and prospects of small inhibitory RNA (RNAi) for gene manipulation in vivo

Wednesday, April 6

[Robert Gerard](#)

Viral Vectors for Gene Transfer in vitro and in vivo

[Reading 1](#) [Reading 2](#)

Monday, April 11

[Phil Thomas](#)

Cystic Fibrosis

Wednesday, April 13

[Dan Garry](#)

Stem Cells

Monday, April 18

[Malu Tansey](#)

Ex vivo Gene Therapy Approaches and Parkinson's Disease

Wednesday, April 20

[James Bibb](#)

Molecular Approaches to Addiction

Monday, April 25

[Helen Hobbs](#)

Mapping of Human Disease Genes

[Reading 1](#)

[Reading 2](#)

Wednesday, April 27

[Ralph Shohet](#)

Cardiovascular Gene Transfer

Monday, May 2

[Makoto Kuro-o](#)

Mechanisms of Aging

Wednesday, May 4

[Joyce Repa](#)

Microarray and Real Time PCR Approaches to Diabetes

[Reading 1](#)

[Reading 2](#)

[Reading 3](#)

Monday, May 9

[Gail Tomlinson](#)

Molecular Basis of Cancer Development and Treatment

Wednesday, May 11

Oral Exam

Please check for specific reading assignments

READING ASSIGNMENTS

