

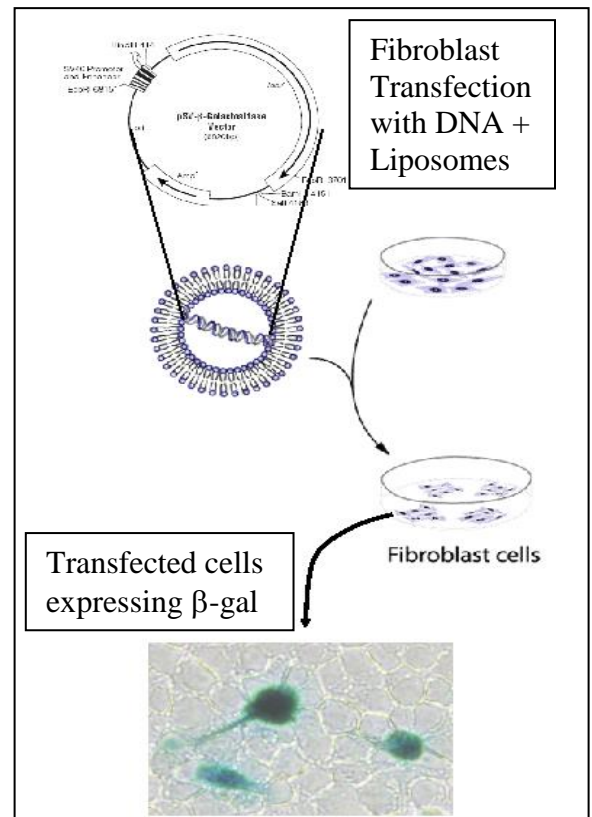
UMASS LOWELL WINTER BRIDGE PROGRAM
Fundamental Methodology Workshop in Biotechnology
January 6-9 & 12, 2014 (10:00 AM to 3:30 PM)
UMass Lowell Department of Biological Sciences
Olsen Hall, Room 606

Workshop Instructor: Dr. Peter Gaines (peter_gaines@uml.edu)

The Department of Biological Sciences at UMass Lowell is holding a one week workshop that will provide hands-on training on the use of cultured cells and their manipulation as used in cutting-edge research in biotechnology. The daily course schedule will include short lectures followed by a series of laboratory exercises.

Sample Schedule:

- Tuesday:** Introduction to Cell Culture;
Passage of mammalian cell lines
- Wednesday:** DNA transfection of cultured fibroblasts
- Thursday:** Analysis of proliferating blood stem cells; Induction of stem cell differentiation
- Friday:** Analysis of protein expression in transfected cells
- Monday:** Analysis of differentiated blood cells;
Course review and evaluation



In case of a snow day, the make-up day will be Tuesday, January 13th

LUNCH IS INCLUDED EACH DAY!

Space is limited to 8 participants and on a first come first serve basis.
To ensure your spot your registration must be received by December 12th, 2014.

For more information, email FRATERA@middlesex.mass.edu