

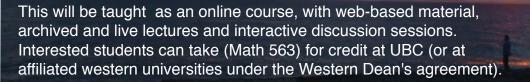
Mathematical Cell Biology Graduate Summer Course University of British Columbia, May 1-31, 2012 Leah Edelstein-Keshet

Guest lecturers: Dimitrios Vavylonis, Jun Allard, William R. Holmes, Raibatak (Dodo) Das and UBC faculty

Topics include:

Pattern formation and signaling Microscopy methods and biological data analysis Biopolymers assembly, kinetics, and mechanics Buckling, bending, stretching, twisting. Molecular motors Mechanics of cell motility and cell division Bacterial chemotaxis Motility of animal cells and cell shape Continuum, discrete, and simulation models





Sponsored by mprime and PIMS (IGTC)

www.math.ubc.ca/~keshet/MCB2012/