



Dr. Dieter Egli

Post Doc Research Fellow
Department of Pediatric Molecular Genetics
Columbia University

Location: Merrill-Cazier Library room 154
March 5, 2009 from 3:30 – 4:30 PM

“Mediators of Reprogramming: Transcription Factors and Transitions Through Mitosis”

Abstract:

Most cell types of the human body share the same genetic information as that contained in the zygote from which they originate. Consistent with this view, animal cloning studies demonstrated that the intact genome of a differentiated cell can be reprogrammed to support the development of an entire organism and allow the production of pluripotent stem cells. Recent progress in reprogramming research now points to an important role for transcription factors in the establishment and the maintenance of cellular phenotypes, and to cell division as a mediator of transitions between different states of gene expression.

Refreshments will follow in the Biotechnology Building Lobby

Seminar