



NCCR CHEMICAL
BIOLOGY

SPECIAL SEMINAR SERIES

Invited speaker

JOAO MATOS

Assistant Professor, EMBO Young Investigator
Institute of Biochemistry, ETH Zürich



Rewiring DNA repair for genome stability or genome haploidisation

May 31st 2018

16:15

UNIGE - Room 3-352

About the talk

Homologous recombination fulfils fundamental DNA repair roles during mitotic proliferation as well as during meiosis. Crucially, however, context-specific modifications tailor the recombination machinery to avoid, or enforce, formation of reciprocal exchanges – crossovers – between maternal and paternal chromosomes. Joao Matos will discuss how cells rewire the function of various DNA repair enzymes to regulate crossing-over and either safeguard genome stability (mitosis) or promote genetic diversity (meiosis).

