



21 MARCH

2:30 P.M.
ROOM B107
POVO 2

RATMIR DERDA

DEPARTMENT OF CHEMISTRY
UNIVERSITY OF ALBERTA, EDMONTON

DNA-encoded libraries: from drug lead discovery in vivo to fundamental exploration of chirality in molecular recognition

Central dogma of biology DNA → RNA → Protein is successfully exploited to understand fundamental biology and to apply principles of evolution to discover lifesaving therapeutics. Many advances are fueled by technological breakthroughs in DNA sequencing, which for the last 40 years developed faster than the Moore's law. Traditional chemistry and majority of the biology falls outside the Central Dogma, and, thus, cannot rely on DNA sequencing directly. Molecular discovery, reaction and catalyst discovery can be dramatically accelerated by shifting from traditional discovery approaches to DNA-encoded evolutionary approaches. This talk will present development and application of LiGA/LiLA/LiMA technologies and DE-cPTM technologies.

CIBIO EXTERNAL SEMINAR



UNIVERSITÀ
DI TRENTO

Dipartimento di
Biologia Cellulare, Computazionale e Integrata - CIBIO



DEPARTMENT OF CELLULAR, COMPUTATIONAL
AND INTEGRATIVE BIOLOGY - CIBIO
VIA SOMMARIVE, 9
38123 - POVO (TN)
COMUNICAZIONE.CIBIO@UNITN.IT