



UNIVERSITÀ  
DI TRENTO

Dipartimento di  
Biologia Cellulare, Computazionale e Integrata - CIBIO

12 MARCH

2:00 P.M.

ROOM A109 - POVO 2

JÖRGG SCHEUERMANN

ETH ZÜRICH - CHEMISTRY AND APPLIED BIOSCIENCES INSTITUTE OF PHARMACEUTICAL SCIENCES



## ● ● DNA-ENCODED CHEMICAL LIBRARIES ● ● (DELS) FOR DRUG DISCOVERY

**DNA-Encoded Chemical Libraries** (DELS) feature small molecules individually tagged with a DNA barcode, which allows for the **identification of target-binding ligands** after PCR amplification and DNA sequencing.

DEL technology which was pioneered at ETH Zurich has become an **indispensable tool for small molecule drug discovery**. The standard implementation, as integrated in most of the larger pharmaceutical companies, proves to be **efficacious for small-molecule discovery**.

In this presentation, I will summarize the development of DEL technology and discuss novel, promising aspects of DEL technology such as enabling a **newly addressable chemical space** through small macrocyclic DELs.