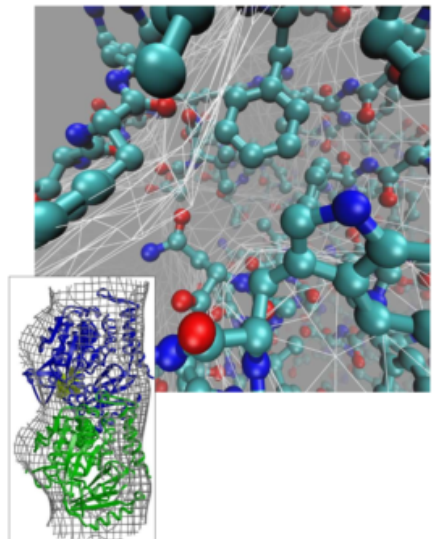


## Bridging Science and Technology

The Science - Technology Interface: Structural Biology (STI:SB) acts as a **link between technology, research and translation**. It supports and connects structural biologists and those who are interested in **structural biology** and its application in biomedical research. STI:SB identifies suitable project partners and assists researchers in establishing new co-operations for their interdisciplinary work.

Starting from the researcher's interest STI:SB supports research related to:

- the function and regulation of biomolecules, proteins, nucleic acids, metabolites, biomolecular complexes or other large assemblies
- molecular structure and dynamics, metabolic pathways
- (molecular) changes in relation to health and disease or in context with aging and environmental factors or
- target validation, rational drug design, screening for new types of ligands, side effects and resistance.

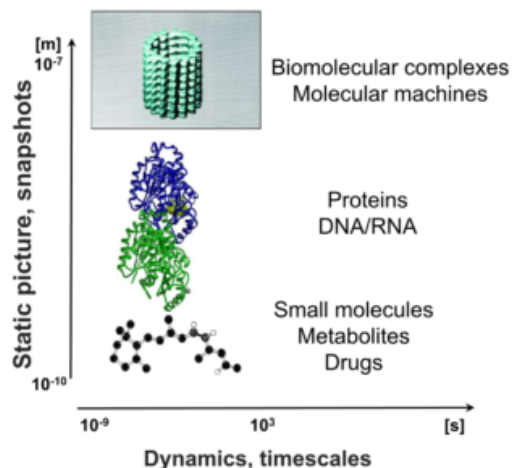


## Medical Structural Biology

Structural Biology Techniques

Cryo-EM  
HDX-MS  
Molecular Modelling  
NMR  
Others\*  
SAXS/SANS  
X-ray crystallography

\* Complementary biophysical techniques - e.g. CD, AFM,...



Medical / clinical research

Understand health/disease

Metabolic Pathways

Signalling and binding

Rational drug design

Target validation

Effects of drugs and  
environmental factors

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