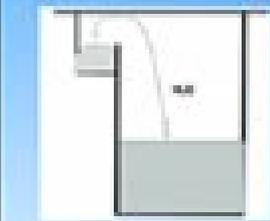
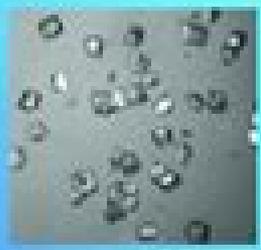


# CRYSTAL STRUCTURE DETERMINATION



Getting a crystal suitable for the experiment

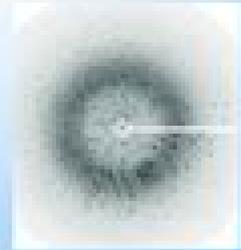
Soaking with ligands, derivatives



Cryoprotection, crystal mounting



Obtaining the diffraction pattern

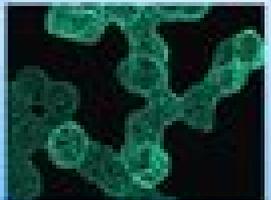


Evaluating the diffraction pattern

MAD  
SAD  
MIR  
MR

Obtaining information about the phases

Solving the electron density function



Building an initial structural model



Completing the model



Refining the model

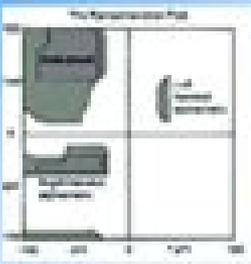


Validation

Structure presentation



Protein sample



# Crystal Structure Determination

**Sebastian Brünink**



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