





## Determination of Protein-Protein complexes

- In PDB: >15000 protein structures but <900 structures of complexes (<100 by NMR) !
- NMR: typically based on intermolecular NOEs and residual dipolar couplings (e.g. Clore PNAS (2001) 97: 9021)
  - Collection of restraints difficult and lengthy process
  - Requires complete assignments (side-chains) at the interface
- Ab-initio docking: typically based on theoretical knowledge and not on experimental data
- NMR titration data that are easily available at the stage of backbone assignment are typically not used!

AB/1-03







































