Steinbeck Research Group

Cheminformatics and Computational Metabolomics

Institute for Inorganic and Analytical Chemistry (IAAC)

Cheminformatics and Computational Metabolomics
Friedrich-Schiller-University, Jena, Germany

We are part of:

NFDI4Chem

ChemBioSys

AquaDiva

BALANCE OF THE MICROVERSE

Steinbeck Research Group
- Cheminformatics

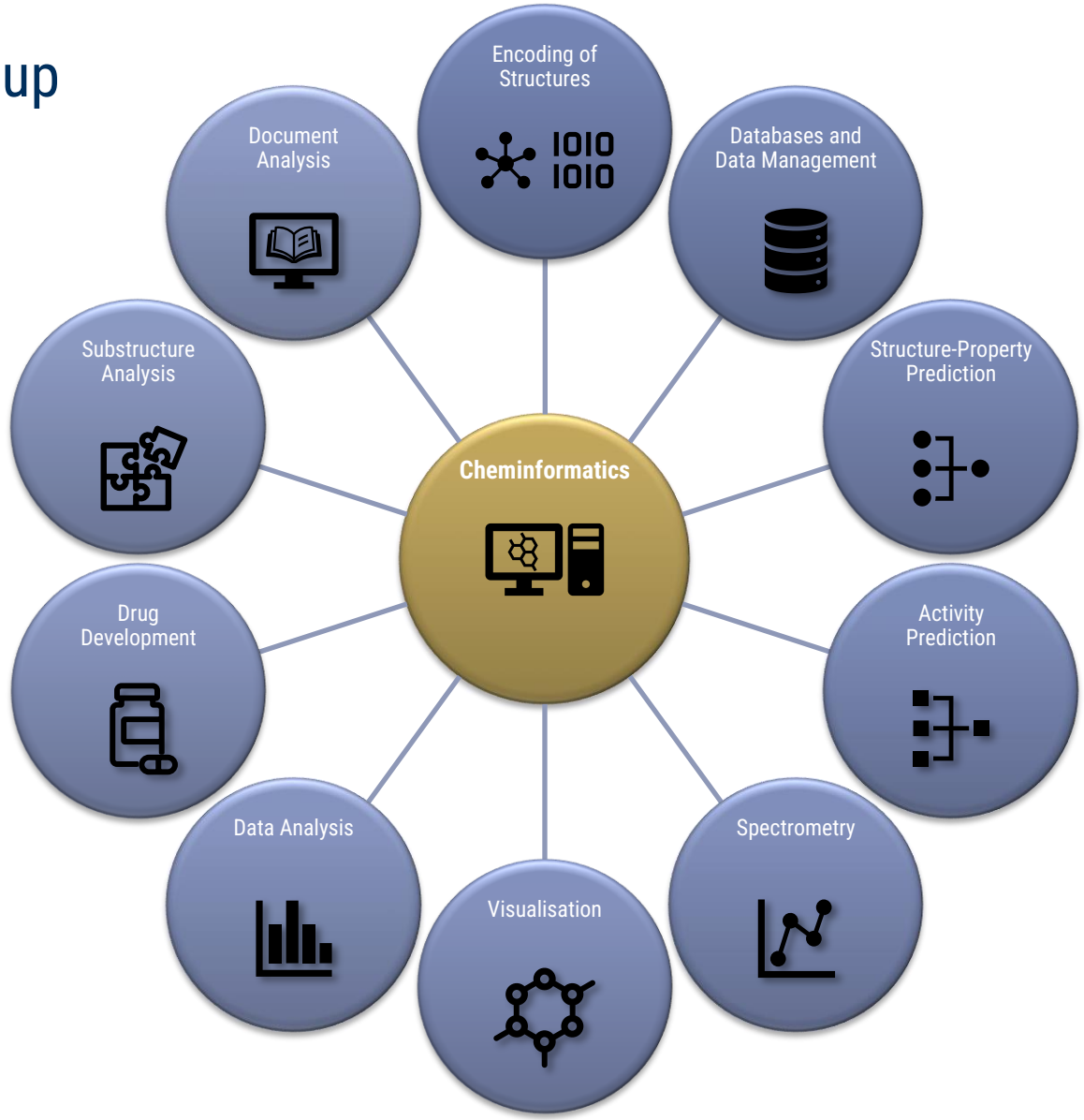
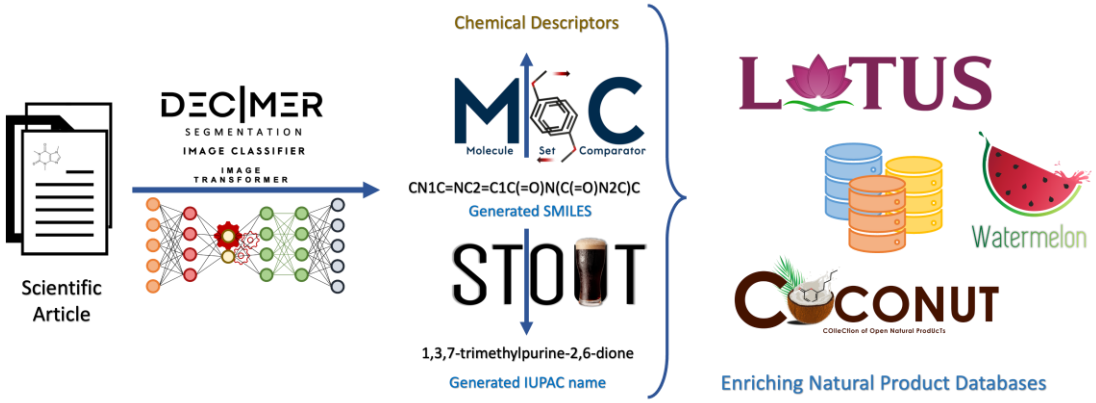


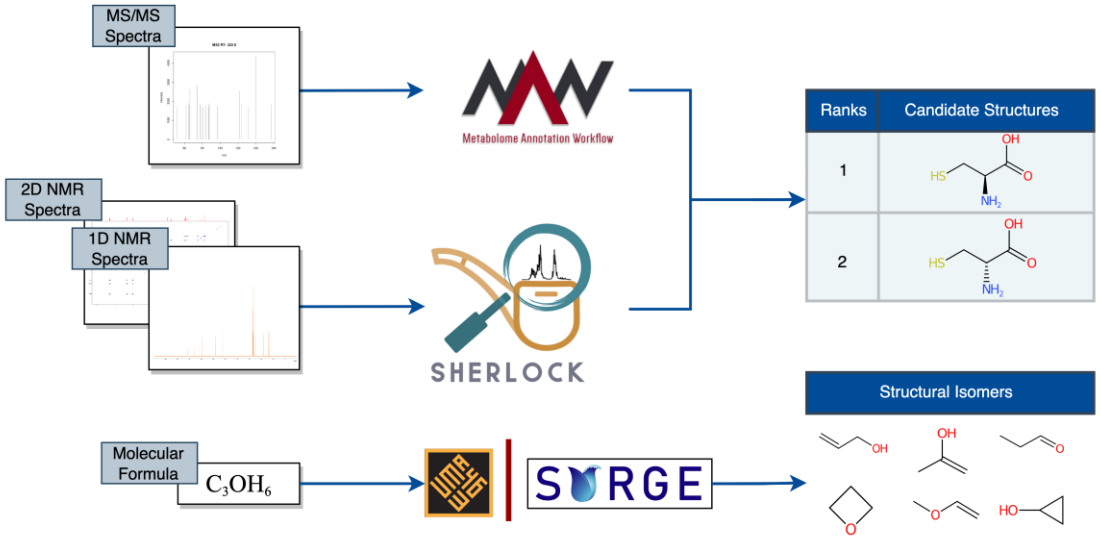
Figure: © Jonas Schaub (Steinbeck Research Group)

Steinbeck Research Group
- Our Research

Chemical Information Extraction & Natural Product Databases

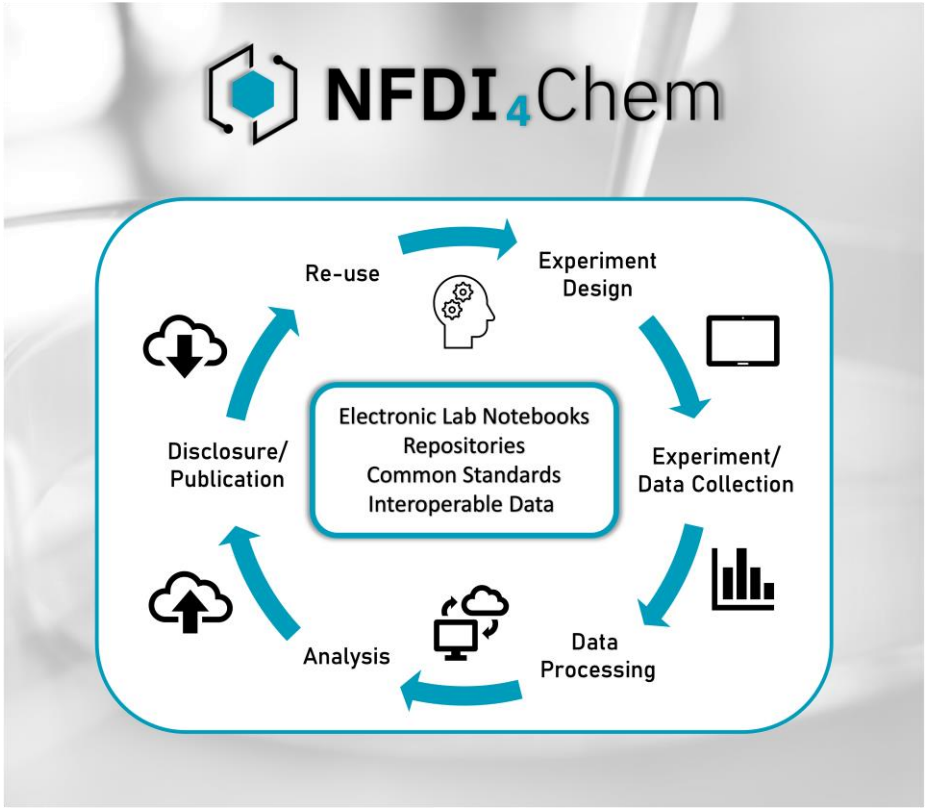


Computational Metabolomics & Structure Elucidation

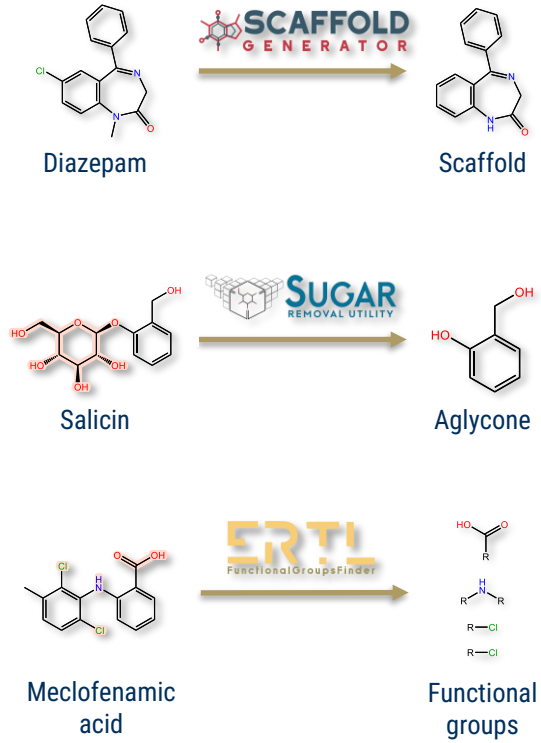


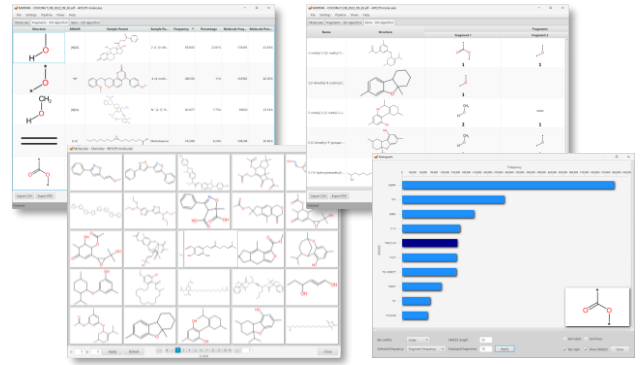
Steinbeck Research Group
- Our Research

National Research Data Infrastructure for Chemistry



Structural Cheminformatics and Substructure Analysis





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MOlecule fRagmenTAtion fRamework

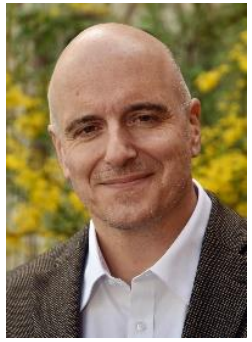
Steinbeck Research Group

- Some Notes

- Contains 0.0 % lab work
- Con: you have to learn programming (well)
- Pro: you will learn how to do that with us (mainly Python and Java, some R; preexisting skills welcome)
- International team and field (good English skills required!)
- We do completely *open* science
- Our research-related lectures in the chemistry master's programme (recommended to visit beforehand):
    - Analytical Chemistry I Metabolomics MC2.1.1 (summer semester)
    - Analytical Chemistry II Cheminformatics MC3.1.1 (winter semester)
- Career prospects (extra vague!):
    - Cheminformatics, e.g. in pharma companies
    - Machine learning and data scientist
    - Software development
    - Academia

Steinbeck Research Group
- Contact

- Dr Jonas Schaub (jonas.schaub@uni-jena.de)
- Prof. Dr Steinbeck personally



- More information: https://cheminf.uni-jena.de

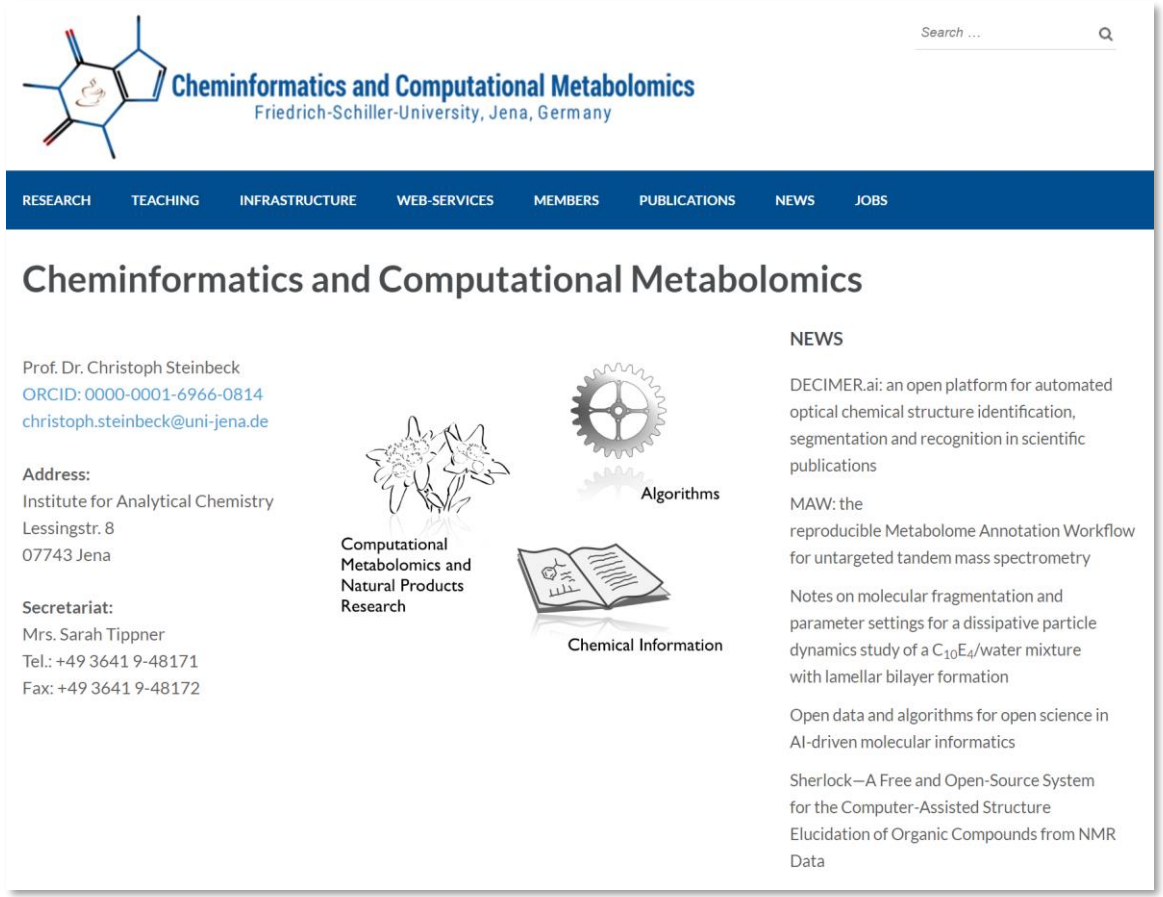


Photo of Prof. Steinbeck: Anne Günther (University of Jena)