CHILL laboratories for Chemistry

CHILL aims to achieve excellence in various science related fields, bringing expertise from different branches together to realize innovation. In which state of the art research is combined with partners in education and industry. The unique way of working in communities of development (CfD) accelerates development and innovation, leading to high quality research in both fundamental and applied aspects of science.

Synthesis

On demand, tailor-made molecules

Equipment and facilities

- General equipment and all-round glassware
- Distillation setups
- Rotary evaporators
- Schlenck lines (N2)
- Gas drying systems
- Freeze-dryer
- Microwave reactor
- Spinning disc reactor
- Microreactor setups (incl. temperature controllers)

Analysis

Quantification and identification

Equipment

Spectroscopy

- Infrared spectroscopy
- Fluorescence spectroscopy
- UV-Vis
- AAS

Chromatography

- HPLC
- Prep/Flash-HPLC
- GPC
- GC-MS (incl. headspace)

Other

- Electron Spin Resonance
- Titration (pH - Karl Fisher)
- NMR (60 + 300 MHz)
- Conductivity (solvents)
- Density (solvents)
- Refractive index

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