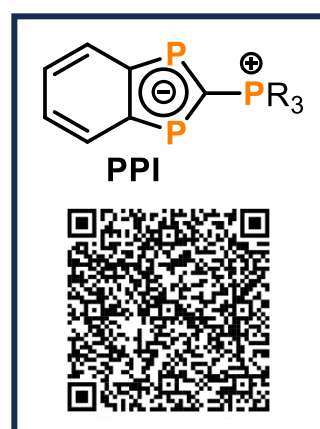


Exciting Research Internship/Thesis Opportunity in Organometallic Chemistry! Join our Research Group!

Are you passionate about synthetic inorganic chemistry and eager to contribute to groundbreaking research? Look no further! The Coburger research group announces a **research internship**, **Bachelor's thesis**, or **Master's thesis** project in the field of organometallic chemistry.

Project Highlights:

- Our group has recently introduced a zwitterionic ligand called **PPI** (Phosphonium-substituted Diphosphaindenylide). This innovative ligand combines an indenyl core with endocyclic phosphorus atoms, offering exceptional binding capabilities. This opens new possibilities in catalysis, particularly for transformations of electron-rich substrates. (for details see the QR code)
- **Development of sustainable catalytic transformations:** Building upon the unique properties of **PPI**, our project aims to synthesize Lewis-acidic 3d metal complexes. By harnessing the combination of the indenyl effect with tightly bound, electron-poor metal centres, we strive to develop catalytic transformations using abundant base metals.
- **Diverse Research Scope:** As part of this project, you will have the opportunity to delve into various aspects of organometallic chemistry. This includes exploring ligand modifications of the original PPI ligand, synthesizing cationic Co and Mn complexes, and conducting initial explorations into catalytic reactions. Additionally, our research group supports experimental findings with Quantum-mechanical calculations, providing a comprehensive approach to your research experience.
- **Join a Young Research Group:** By joining our research group, you will become part of a dynamic and enthusiastic team. You will benefit from excellent supervision and a supportive and stimulating environment.



Your Next Step:

Don't miss out on this exciting opportunity! For more information or to apply, please contact us at **peter.coburger@tum.de**. We are eager to welcome you to our team to explore the frontiers of sustainable catalysis together! 