



Dr. rer. nat. Yanik Becker

Master of Science (Chemie)

Patent Attorney Candidate

Languages

German, English

Contact

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Technical Expertise

Green Technologies

Chemistry

Materials Science

Dr. Yanik Becker started as a Patent Attorney Candidate at Wallinger Ricker Schlotter Tostmann in November 2021. Before his career in the field of intellectual property, Dr. Becker studied chemistry in Kaiserslautern, Rhineland-Palatinate, and Edinburgh, Scotland. He obtained his doctorate in Kaiserslautern on studies focused on the synthesis of heteroaromatic ligands and organo-metallic catalysts. Within WR, Dr. Becker is part of the chemistry/pharma group.

Technical Expertise

Dr. Becker graduated in chemistry from the Technical University of Kaiserslautern, Germany, focused on general chemistry. In his Master's program, Dr. Becker focused in organic chemistry and synthesis. The thereby gathered knowledge was further supplemented by a stay abroad at the University of Edinburgh, Scotland, during which Dr. Becker did a research project in the field of microbiology/biochemistry on the topic of artificial metalloenzymes. His doctoral studies were carried out at the University of Kaiserslautern, Germany, focusing on heteroaromatic ligand synthesis and organometallic complex chemistry within the Collaborative Research Center „3Met“ for mono- and polynuclear complex compounds. The obtained metal-containing compounds may be used in a wide variety of fields, such as metathesis reactions, transfer hydrogenations or water oxidation (as a sub-process of artificial photosynthesis).

Legal Expertise in IP

Based on his experience gained in research and development, Dr. Becker has been mainly involved in patent prosecution proceedings before the German and European Patent Offices, FTO analyses and drafting applications in the fields of organic chemistry, catalysts and material sciences since 2021.



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Career

- seit 2021** Training as a Patent Attorney at Wallinger Ricker Schlotter Tostmann
- 2018 – 2021** Doctorate at the University of Kaiserslautern
- 2017** Research project at the University of Edinburgh, Scotland
- 2016 – 2018** Studies of chemistry focused on organic and organometallic chemistry at the University of Kaiserslautern with the degree M.Sc.
- 2014 – 2016** Studies of chemistry at the University of Kaiserslautern with the degree B.Sc.



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Awards

+ „Deutschlandstipendium“ (German Scholarship)

„Kreissparkasse“-Award of Kaiserslautern for his Master's thesis

Memberships

+ Gesellschaft Deutscher Chemiker e.V.



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Publications

“Accelerated Ru–Cu Trinuclear Cooperative C–H Bond Functionalization of Carbazoles: A Kinetic and Computational Investigation”, Alexander W. Jones, Christian K. Rank, Yanik Becker, Christian Malchau, Dr. Ignacio Funes-Ardoiz, Prof. Dr. Feliu Maseras, Prof. Dr. Frederic W. Patureau; *Chemistry – A European Journal*, October 2018, 24(57), 15178 – 15184.

“Structure-dependent regioselectivity of a roll-over cyclopalladation occurring at 2,2′-bipyridine-type ligands”, Yanik Becker, Florian Schön, Werner R. Thiel, *Journal of Organometallic Chemistry*, May 2021, 121780, 940.

“A gas-phase study on the cyclometallation of a series of Cp*Ir(III) complexes bearing bidentate pyrimidine ligands”, Yanik Becker, Maximilian Huber, Sabine Becker, Yu Sun, Gereon Niedner-Schatteburg, Werner R. Thiel; *Journal of Organometallic Chemistry*, December 2021, 122063, 954 – 955.



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