ÚOCHB AV ČR

ÚSTAV ORGANICKÉ CHEMIE A BIOCHEMIE
AKADEMIE VĚD ČESKÉ REPUBLIKY, v. v. i.
INSTITUTE OF ORGANIC CHEMISTRY AND BIOCHEMISTRY
ACADEMY OF SCIENCES OF THE CZECH REPUBLIC, v. v. i.

Announcement of New Ph.D., Masters and Postdoctoral Projects

Dear Colleagues!

We are pleased to announce opening of new research positions at Ph.D., Masters (Diploma) and Postdoctoral level in our laboratory.

The new positions are fully funded.

Our research programme is focused on the development of new reagents, methods for organic synthesis, asymmetric nucleophilic and Lewis-acid catalysis, and palladium-catalyzed coupling reactions.

Current areas of interest of our laboratory include the following research projects:

- Design and Implementation of New Palladium-Catalyzed Coupling Protocols Starting from Carbonyl Compounds.
- Perfluorobutanesulfonyl Fluoride, a versatile and convenient reagent in Organic Synthesis.
- Expedient synthesis of reagents for introduction of tert-butoxycarbonyl protecting group.
- Highly Selective activation of trimethylsilyl enol moiety with the soluble fluoride sources under anhydrous conditions.
- Concise Syntheses of Natural Products.
- Novel Metal-Free Nitrogen Superbases and Highly Stable Lipophilic Organic Cations for Various Applications.
- Rational Design of New Modular Chiral Ligands for Enantioselective Catalysis: One Easy Step from Just a Chiral Nucleophile.
- Enantiopure chiral 1,3,2-oxazaphospholines from aminoalcohols: structure, chemistry and application in synthesis of the chiral ligands.
- Nucleophilic Organocatalysts for Asymmetric Reactions.

We are searching for highly motivated individuals, from everywhere. If you are interested in these projects and would like to take part in challenging, creative and prolific research, you are welcome to join our team!
For more information, please do not hesitate to call or email me:

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