

Academic Program for Ph.D. Candidates in Organic Chemistry

There are 16 doctoral supervisors in organic chemistry. Among them, there are 1 academician of Chinese Academy of Sciences, 1 winner of "youth thousand talents" program, 1 winner of National Excellent Youth Fund, 1 provincial outstanding youth, 6 Qilu scholars and 1 "985" academic backbone. The staff of organic chemistry have undertaken many projects such as the program of national "973" plan, the National Natural Science Foundation of China, and the provincial as well as ministerial funds. This major includes organic synthetic chemistry, organometallic chemistry, drug design and synthesis, organic functional material chemistry and other core and frontier research directions in organic chemistry. In the past five years, they have published more than 300 SCI papers and trained more than 100 doctoral and postgraduate students.

1. Organic synthetic chemistry

The synthesis of natural products and non-natural compounds with new structure and special properties is studied. It includes new synthetic routes, new synthetic methods, new reactions, new reagents, new technologies, asymmetric synthesis and combinatorial chemistry.

2. Organometallic chemistry

The chemical reactions of elemental organic and organometallic compounds, the preparation and the application of organometallic reagents in organic synthesis, and the synthesis of organometallic compounds with biological activities are studied.

3. Chemistry of drugs and drug intermediates

The research on the synthesis of drugs and drug intermediates, including the molecular design of new drugs, the design and implementation of new synthetic routes, the improvement of synthesis process, the study of pharmacological activity and structure-activity relationship.

4. Organic functional material chemistry

The research on the synthesis, structure and properties of organic functional materials with photoelectric, biological and catalytic activities, and exploration of the

relationship between structure and performance.

Contact information (for questions regarding the program or school)

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