

Division of Material Chemistry	Research field	Synthetic Organic Chemistry	Lab. ID MC12
Laboratory web site	http://kohka.ch.t.kanazawa-u.ac.jp/lab4/lab4.html		
Research subjects			
Our major interests are synthetic organic chemistry, especially in the development of new synthetic organic reactions and materials using characteristics of elements and/or photochemistry. Our recent research topics are listed below. 1. Development of highly efficient and selective new photochemical reactions 2. Development of functionalized fluorescent materials based on pyrene derivatives			
Master/Doctor course: Education policy, curriculum, typical activity in the laboratory			
In undergraduate students, you should train to master fundamental experimental technique, knowledge about safety, quantitative mentality, reading ability of literature, document retrieval, and English ability. Although we recommend you to study organic synthesis in undergraduate, you can join from the other fields with your high motivation on organic chemistry. In master and doctor courses, you follow each professor in our group and should attend group meetings and/or discussions. Meetings of reading textbooks and introduction of journal articles will be held once a week, respectively. Meetings of research seminar will be held 3-4 times in a year. After attendance at academic conferences, attendance report will be presented. Special lectures by the professors from the other institute will also be held randomly. Students attend domestic/international conferences to have a presentation of their research results. Finally, we will submit papers to international journals.			
Daily life in the laboratory, etc.			
Independent laboratory table and a desk are provided to each student. In the laboratory, students carry out not only organic synthetic experiments, but also analysis of physical properties, theoretical calculations, retrieve literatures, making slides or papers for conferences, attending the classes, and discuss the results with professors and senior students. Since students should have many tasks, we recommend students strongly to work intensively from 9:00 am to late night. For the safety's reason, the experiments should be carried out without alone. In the seminars, students should have questions and comments for the other presentation.			
Message or comments by the laboratory faculty staffs			
It is interesting that research results include individual personality and originality. Experimental results are often anticipated, but unexpected results are sometimes obtained. When students meet such serendipity, it causes opportunity to be deeply fascinated by chemical research. To find serendipitous novel results, students need deep knowledge in the wide and various fields. We want to tell students an importance of a wide range of vision, a pleasure of research and creativity of solutions toward difficulties in future through the research activity. Please come to our laboratory if you are interested in organic chemistry, medicinal chemistry, and photochemistry. Many students will find work in future in chemical industry or pharmaceutical companies. Lab's recreational trip, beer party, softball/badminton day (including beer party), will be held at any time and you may attend them to spend comfortable days.			
Laboratory mail address	Hajime Maeda< maeda-h@se.kanazawa-u.ac.jp >		