Division of Material Chemistry	Research field	Physical Chemistry	Lab. ID MC09
Laboratory web site	http://kohka	a.ch.t.kanazawa-u.ac.ip/lab1/lab1.html	
Research subjects			
Research subjects The target of our laboratory is about self-assembly of surfactants. We are investigating the self-assembly to clarify it from the standpoint of physical chemistry by experimental verification with several techniques, especially fluorescence probe method and atomic force microscopy (AFM). The following research themes are progressing; (1) Aqueous solution property of amino acid-type surfactants, (2) interaction between amino acid-type surfactant and biomaterials, (3) synthesize of novel Gemini-type surfactants, (4) development of stimuli-responsible surfactant system, (5) to search a new fluorescence probe, (6) to clarify of state of molecular aggregates in aqueous solution, (7) submolecular scale visualization of self-assembled structures and their functions at solid/liquid interfaces with AFM, and so on. Master/Doctor course: Education policy, curriculum, typical activity in the laboratory The main point of guideline of our laboratory is that students acquire both technical knowledge about interfacial chemistry and the problem-solving ability through real investigation and experience about their research themes by themselves. All students take one seminar once a week about colloid and interface chemistry using textbook. All laboratory members attend a monthly meeting. All students make a presentation about their results and discuss it each other in the meeting. We have a weakly journal review meeting, where student select one journal from new articles in their research field and introduce it concisely from the standpoint of the relationship with own theme. Master course student: Students take some classes about general chemistry as well as physical chemistry and interface chemistry in first semester of first grade. Student is recommended to make a presentation at domestic or international confer			
international journal having a valid impact factor for PhD conferment.			
Daily life in the laboratory, etc.			
Graduate students should play a central role in the laboratory. All students have own working space for in laboratory as well as own desk in study room. Both master/doctor students and bachelor students share the study room and often discuss about research and have a chattering about daily life. There is a tea and coffee space for refreshment in the study room. In addition to investigation, students hold many activities, like as welcome party for new member, BBQ with cherry-blossom viewing, laboratory excursion, graduation party, and so on.			
Message or comments by the laboratory faculty staffs			
All students are the principal parts in the laboratory life! Each student can select own research theme and must execute it by oneself. Faculty stuffs are delighted to support your investigation. Even though you do not have good results in research immediately, please try it perseveringly. Everyday of stack is very important in order to obtain the research results and it will be your precious property. It is important to learn the basic knowledge and skill systematically in university. If you learn them and the problem-solving ability in laboratory life, you can correspond every problem in future. We have five foreign students in in the past three years. They have enjoyed in our laboratory and Japanese life. Japanese students and we are careful to communicate with the foreign students to support his or her study and daily life.			
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