Division of Material Chemistry	Research field	Function Material Chemistry	Lab. ID MC14
Laboratory web site	Taima <http://www.se.kanazawa-u.ac.jp/rset/about/osc/taima/index.html>		

Research subjects

TAIMA:
Solar cells are introduced in various spots as excellent electric energy supplier. In Taima's laboratory, we mainly research the organic solar cell and organic-inorganic hybrid solar cell by dry and wet process. Main target of our research work is to improve the solar cell performance by controlling a molecular orientation and creating a nano-structure. We wish to draw out the potential of organic small molecules by handling the direction and the stack of the π conjugate of molecules.

KARAKAWA:
Solar energy conversion is important thechnology for this society. An organic solar cell have atractive properties, such as low cost, printed, and flexible fabrications. Our aim is to develop an high performance material applicable to organic solar cell as well as the other organic devices. Design and synthesis of materials are required for the aim. through the work in our lab., you try to get a skill to develop the materials.

Master/Doctor course: Education policy, curriculum, typical activity in the laboratory

In a weekly study briefing session, you must report the progress of the study. And also you must introduce the contents of several international journal publication articles to everybody of the laboratory.

Daily life in the laboratory, etc.

Events: welcome party (Apr.), camp (July), lab trip (Sep.), IMONIKAI (Potato Soup Party) (Oct.), year-end party (Dec.), farewell party (Mar.)
We demand that lab menbers observe the rule and the manner for healthy academic life.

Message or comments by the laboratory faculty staffs

We search for people who loves research works and experiments. We hope that lab menbers get a great deal of experience in the academic life.
Our research work needs a fundamental research skill for handling the direction and the stack of the π conjugate of molecules. You will have a training this kind of skill through the research work in TAIMA's laboratory.
you can get a skill to design and organic synthesis for organic semiconductor if you joined in Karakawa's lab. furhtermore, you can fabricate organic devices using your own synthesized materials to understand a relationship between chemical structure and its function.

Laboratory mail address	
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