

Division of Biological Science and Technology	Research field	Biochemical Engineering	Lab. ID BS14
Laboratory web site	Ninomiya Group: http://biochemeng.w3.kanazawa-u.ac.jp/ Tsuge Group: https://sites.google.com/site/ytsugelab/		
Research subjects			
Ninomiya Group: We engaged in “bio-based manufacturing” to contribute to “maintenance of human health” and “conservation of the global environment” . Tsuge Group: We are engaged in “bio-based manufacturing” using microorganisms to contribute to the “realization of a sustainable society.			
Master/Doctor course: Education policy, curriculum, typical activity in the laboratory			
Ninomiya Group: Engineering the unique structures and functions of living organisms as raw materials, catalysts, and designs, and applying the resulting technologies and substances to environmental and medical applications. Tsuge Group: We are working on metabolic engineering and synthetic bioengineering using microorganisms, and students are educated to work as a researcher in companies and universities after graduation.			
Daily life in the laboratory, etc.			
Ninomiya Group: We are a group of about 12 people consisting of undergraduate and graduate students. They conduct research on their own initiative. Tsuge Group: We are a small group of people who work hard and cooperate with each other to conduct research.			
Message or comments by the laboratory faculty staffs			
Ninomiya Group: We are looking for student who take on the challenge of “manufacturing with biotechnology,” have a strong interest in both “biology” and “manufacturing” . Tsuge Group: We are looking for students who are interested in bio-based manufacturing using microorganisms and who are motivated and responsible to do research with us.			
Laboratory mail address	Ninomiya Group: ninomiya@se.kanazawa-u.ac.jp Tsuge Group: ytsuge@staff.kanazawa-u.ac.jp		