

Division of Biological Science and Technology	Research field	Cancer Biology	Lab. ID BS11
Laboratory web site	http://ganken.cri.kanazawa-u.ac.jp		
Research subjects			
Cancer is the leading cause of death in Japan, and one in three people die by cancer every year. Survival rate of patients with malignant progressed cancer like metastasis is less than 15%, thus we need to overcome such cancer progression. To develop the novel therapeutic strategy against cancer, we need to uncover the mechanism of cancer development and progression. Moreover, we believe that we will be able to elucidate the biological mechanism of homeostasis of our body through cancer research. These will be possible research assignments for graduate students.			
Master/Doctor course: Education policy, curriculum, typical activity in the laboratory			
Master course students will learn basic knowledge and experimental skill. Using a text book (it depends on the lab) like "Biology of Cancer" by Weinberg, students will be able to learn from basic molecular biology and the latest cancer research. Staff in the lab will teach you procedures of basic experiments. Doctor course students will proceed to more professional step to be independent researchers. Students are expected to design their researches based on discussion with staffs, and present the results in domestic or international conference.			
Daily life in the laboratory, etc.			
Master course students attend daily classes as well as lab seminar one a week to learn basic of cancer research. They also learn experimental skills from staff, perform experiments, and present the results in the lab meeting. This is a general monthly cycle for master course students. Doctor course students discuss every week with principal investigator of the lab and staffs about the experimental results and direction of research. Occasionally, students stay in the lab of collaborators and participate in workshop to study the novel knowledge or technology. Doctor course students present their results in Japanese Cancer Association (JCA) annual conference to become independent researchers.			
Message or comments by the laboratory faculty staffs			
As you feel, cancer research is one of the research fields of medical sciences or clinical sciences. This is correct. However, not only medical doctors but also researchers with background of natural (or biology) science study cancer research in the world. We believe that you will be able to learn the mystery of human body that has been established after long period of evolution thgourh the latest cancer research. We encourage you to have your own vision. Study hard and enjoy life!			
Laboratory mail address	Atsushi Hirao < ahirao@staff.kanazawa-u.ac.jp > Masanobu Oshima < oshimam@staff.kanazawa-u.ac.jp > Kazuo Okamoto < okamotok@staff.kanazawa-u.ac.jp > Noriko Gotoh < ngotoh@staff.kanazawa-u.ac.jp > Yoshikazu Johmura < johmuray@staff.kanazawa-u.ac.jp > Takeshi Suzuki < suzuki-t@staff.kanazawa-u.ac.jp > Chiaki Takahashi < chtakaha@staff.kanazawa-u.ac.jp > Eishu Hirata < ehirata@staff.kanazawa-u.ac.jp >		