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| Division of Geosciences and Civil Engineering                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Research field                                                                                                                                                                                                                                                                                                                           | Geology and Paleontology | Lab. ID |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                          |                          | GC22    |
| Laboratory web site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="http://earth.s.kanazawa-u.ac.jp/Paleo_Lab/index.html">Hasegawa Lab: http://earth.s.kanazawa-u.ac.jp/Paleo_Lab/index.html</a><br><a href="http://www.geobiology.jp/">Jenkins Lab: http://www.geobiology.jp/</a><br><a href="http://earth.s.kanazawa-u.ac.jp/~tsagawa/">Sagawa Lab: http://earth.s.kanazawa-u.ac.jp/~tsagawa/</a> |                          |         |
| Research subjects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                          |                          |         |
| <p>Our goal is to evaluate and predict global environment of present and future earth, and to understand evolution of life and ecology. For this purpose, we examine surface paleoenvironment (environment of the past) of the earth based on geology, geochemistry and paleontology. Three professors manage their laboratories on the basis of their own research interests. Prof. Hasegawa tries to understand paleoenvironments during greenhouse earth periods. Stable isotopes, organic geochemistry, biomarkers, Cretaceous and Paleogene are his keywords. Assoc. Prof. R. G. Jenkins studies evolution of extreme environments in the deep sea. Assoc. Prof. Sagawa works on samples from deep sea and studies secular variation of Japan Sea and northwestern Pacific on the basis of paleoceanographic proxies. Enough opportunities of attending international academic meetings or sampling abroad are provided to students of each lab.</p> |                                                                                                                                                                                                                                                                                                                                          |                          |         |
| Master/Doctor course: Education policy, curriculum, typical activity in the laboratory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                          |                          |         |
| <p>Many master students keep working on the topic studied for undergraduate research. In this case, students can expand their discussion with further observations and additional data. We pay special attention to let students grow their skill of logical thinking and presentation. Each of "Lab seminar" and "Geology group seminar" is scheduled once in a week. Lab seminar focuses on more specific, deeper research discussion whereas presentation for listeners with variety of knowledge is aimed for group seminar. PhD students will be skillful enough to discuss their research interests in English through their course. Presentation at international academic meetings and arrangement of sampling abroad should be arranged by themselves with assistance by the professors. Then students will acquire their skill as "independent earth scientists".</p>                                                                           |                                                                                                                                                                                                                                                                                                                                          |                          |         |
| Daily life in the laboratory, etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                          |                          |         |
| <p>A desk for exclusive use is provided for each student in students' room. He/She can receive many advices not only about research but also student life from elder students and post docs in a friendly atmosphere. It is especially important for a student if he/she tries to work on stable isotope analysis or organic geochemistry to have detailed discussion about preparation procedure with a post doc who maintain the analytical machines. Our students have good opportunity of field-working. Advices about field-working from them benefit a lot for a new-commer student. Researchers from other research institute often join our seminar upgrading quarity of discussion in the seminar like an academic meeting.</p>                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                          |                          |         |
| Message from faculties                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                          |                          |         |
| <p>Your unconcerned inspiration would be an important clue to resolving problems of the earth. Is the inspiration valuable and real or not? It will be evaluated by our newest knowledge and state-of-art machines! Once you find something from your preasure, it is your gemstone. With it, you can be a brightest specialist launching out into the world. Research with preasure, it nurturs you and grows your skill, it helps you to find a good professional position, it support you as a professional scientist and finally benefit our society (our techniques are very useful for oil exploration or enviromntental consultant companies, but we never care about them during our researches). We like working on researches with fun and we want you students to grow your knowledge and to work on your researches with fun, too.</p>                                                                                                        |                                                                                                                                                                                                                                                                                                                                          |                          |         |
| Laboratory mail address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <p>Hasegawa Lab&lt;jh7ujr*at*staff.kanazawa-u.ac.jp&gt;<br/>Jenkins Lab &lt;robertgj*at*staff.kanazawa-u.ac.jp&gt;<br/>Sagawa Lab&lt;tsagawa*at*staff.kanazawa-u.ac.jp&gt;</p>                                                                                                                                                           |                          |         |