



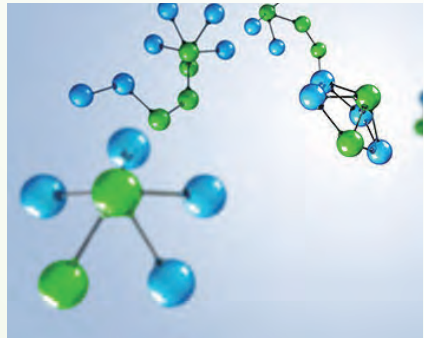
■コース生(第4期生)の活動報告



Alisa Bannaron

総合理工学府
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一貫制博士1年(修士1年)

I am Alisa Bannaron, 1st year master course student in Green Asia program. I am in the department of Molecular and Material Sciences under Professor Shiyoshi Yokoyama. Our research group is focusing on the development of organic polymers and materials using for optoelectronics. Recently, I had finished my first laboratory rotation in Kikuchi and Okumura lab in which their research is related to liquid crystal. After I completed the laboratory rotation there, I have got lots of new knowledge and skills of using some instruments which is a good experience for me. Meanwhile, in the latest spring semester, there were a lot of interesting lectures from Green Asia. The most impressive course for me is the special lecture from Mr. Shimada Kunihiko, a well-known negotiation strategist and mediator in the world. Moreover, many classes about social systems, environmental systems as well as economics, make me understand more about other aspects in society. Now, I am working on my research experiment about synthesizing of organic polymer. In this October, I will go to National Institute for Materials Science (NIMS) in Tsukuba for my practical school. I hope that I can obtain many perspectives which will broaden my skills as well as inspire new ideas for my own research from this opportunity.



John James Duckworth

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As part of the Green Asia program, students are given the opportunity to work as an intern in any domestic company they wish! I organized a trip to work for Gunze Ltd. via contacts my supervisor had, they are a large corporation which has a relatively new and exciting medical devices lab. During the month I spent there I saw all kinds of exciting new technologies being worked on by the brightest minds in Japanese science, and it was all very inspiring. The details are unfortunately classified, as they intend to make a lot (and really, I mean A LOT) of money out of them in the future, but in broad terms they were working on surgical devices, stem cell containment devices and applications for new kinds of polymers. I was able to participate in high end research, and my ideas are even being considered for a brand new product! One of the highlights, if a little philosophically troubling, was the animal experiment to test new artificial skin. The technology is very new and extremely clever, but for me the most exciting part was seeing how a theoretical concept could become a physical thing. And seeing that it really worked! All of these experiences confirmed for me my desire to become a professional scientist. One day my own work might be helping people live longer, happier and more healthy lives, so thanks Green Asia for helping me get there.



M L Palash

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I am M L Palash, from Bangladesh working in Saha laboratory, I2CNER, Kyushu University. My major research area is energy harvesting, more specifically I am trying to find suitable piezoelectric material which can be used to convert vibration energy to electrical energy. Currently, I am reviewing articles to use nano-indentation technique to measure the mechanical properties of materials having few nanometer of thickness. In addition, I am using SPM-9700 equipment to analyze elasticity and tensile strength of few layer graphene by analyzing Force-Distance curve. In the first lab rotation I have used Scanning Probe Microscopy in tapping mode to measure the surface properties of a various materials in Takahashi Laboratory. Here I have learned how to get the topographic images of different adsorbent material surfaces in nanometer range. This images can be used to determine the pore distribution which will be very useful for understanding the adsorption phenomena in different condition.

