

REPORT ON NF-POGO PAP FELLOWSHIP PROGRAMME 2017

Supervisor's Report (Parent Institution)

Name of Trainee: Jessica Song

Supervisor (Parent Institution): Dr. Moritz Mueller

Supervisor (Host Institution): Dr Claire Evans **Dates of Training:** 18/03/17 – 31/05/2017

Subject of Training: "Determination of the growth and mortality rates of the different Prochlorococcus ecotypes found throughout the water column in the Atlantic Ocean"

1) Please provide an evaluation of the training received.

The training received proved to be very useful in equipping Jessica with a comprehensive set of skills, not only in large scale field sampling, but also in setting up and carrying out extensive experiments independently to better understand the fundamental processes that play into overall marine primary production in surface waters. Additionally, the opportunity to work alongside other esteemed colleagues on an international scale has helped to widen her working network, improve her interpersonal skills, and broaden her perspective in her approach to research.

2) What applications of the training received do you envisage at your institution?

During the cruise, Jessica was trained on how to set up incubation experiments over a fixed time scale which will prove useful in her own work as well as for future applications involving culture-based analyses. Hands-on experience was also received in both flow cytometry and data organization and interpretation which are techniques commonly used in the field of Environmental Microbiology and will be widely applicable in the scope of work carried out in our lab.

3) Is this exchange likely to lead to future collaboration with the host institution?

Yes, absolutely. Discussions have been initiated to continue with the experiments started during the POGO cruise.

4) Please provide your comments on the Fellowship Programme.

The Fellowship Programme was very well executed and has greatly aided in providing not only Jessica but many other students with the opportunity to work with other scientists from around the world and to gain invaluable field experience which would otherwise not be possible. Through the support of this programme, collaborations with counterparts from other countries are made possible, allowing us to marry the varying skill sets acquired from our respective fields to conduct high quality research on an international scale.

Please return completed form by e-mail to: pogoadmin@pml.ac.uk