

# ANNOUNCEMENT

## Special POGO Visiting Fellowship for On-board Training on Atlantic Meridional Transect (AMT) Cruise

The Partnership for Observation of the Global Oceans (POGO) announces a special Fellowship for on-board training on an Atlantic Meridional Transect (AMT) Cruise. One berth has been reserved on the next AMT cruise for the selected candidate. The programme is designed to promote training and capacity building leading towards a global observation scheme for the oceans.

### **Who can apply?**

This fellowship program is open to scientists, technicians, graduate students (PhD) and Post-doctoral Fellows involved in oceanographic work at centres in developing countries and countries with economies in transition.

### **What does the fellowship offer?**

The selected candidate will have the opportunity to visit either Plymouth Marine Laboratory (PML) or National Oceanography Centre, Southampton (NOC,S) in the UK, for one month prior to the start of the cruise to participate in cruise preparation and planning; to go on the cruise (12 October – 25 November 2010) and help make hydrological, bio-optical and ecological observations; and after the cruise to spend one additional month at PML or NOCS, learning to analyse the results statistically and interpret them. Core measurements are planned to include phytoplankton, zooplankton and bacterioplankton diversity, <sup>14</sup>C primary production, nitrogen cycling, respiration, pCO<sub>2</sub>, fast repetition rate fluorometry, optics, coloured dissolved organic matter (CDOM), pigments and micromolar nutrients.

**Total period of Fellowship:** 13 September 2010 – 17 December 2010. Candidates should be available to participate for the full period.

### **The AMT Programme**

The Atlantic Meridional Transect (AMT) programme ([www.amt-uk.org](http://www.amt-uk.org)) began in 1995, utilising the passage of the RRS James Clark Ross through the Atlantic Ocean between the UK and the Falkland Islands (50°N to 52°S, a distance of over 13,500 km) southwards in September and northwards in April each year. The transect crosses a range of ecosystems from sub-polar to tropical, and from eutrophic shelf seas and upwelling systems to oligotrophic mid-ocean gyres. The scientific aims included an assessment of mesoscale to basin-scale phytoplankton processes, the functional interpretation of bio-optical signatures and the seasonal, regional and latitudinal variations in mesozooplankton dynamics. The programme provided a platform for international scientific collaboration, including the calibration and validation of SeaWiFS measurements and products. The measurements of hydrographic and bio-optical properties, plankton community structure and primary production completed on the first 12 transects (1995 – 2000) represent the most coherent set of repeated biogeochemical observations over ocean-basin scales. This unique dataset has led to several important discoveries concerning the identification of oceanic provinces, validation of ocean colour algorithms, documentation of distributions of picoplankton, identification of new regional sinks of pCO<sub>2</sub> and quantification of variability in rates of primary production and respiration.

In 2001, the programme restarted (2003 – 2005) and broadened, to address a suite of cross-disciplinary research questions concerning ocean plankton ecology and biogeochemistry and their links to atmospheric processes. The objectives included the determination of 1) how the structure, functional properties and trophic status of the major planktonic ecosystems vary in space and time; 2) how physical processes control the rates of nutrient supply, including dissolved organic matter, to the planktonic ecosystem; and 3) how atmosphere-ocean exchange and photodegradation influence the formation and fate of organic matter. These topics were addressed by more than 45 scientists from 6 UK research institutes that participated in these cruises.

Between 1995 and 2009, the programme has included 19 research cruises, involving ~180 scientists from 11 countries, contributing to 110 refereed publications and 68 PhD theses. This unique spatially extensive decadal dataset continues to be deposited and made available to the wider community through the British Oceanographic Data Centre ([www.bodc.ac.uk](http://www.bodc.ac.uk)).

AMT-20 will take place in October-November 2010 between the UK and Chile, as part of a long-term multi-disciplinary ocean observation programme, a platform for national and international scientific collaboration, a training arena for the next generation of oceanographers and an ideal facility for validation of novel technology.

### What are the Priority Areas?

The principal investigators (PIs) on the 2010 AMT Cruise and their proposed areas of work are as follows:

Prof Mike Zubkov (NOCS)	Microbial diversity and activity
Dr. Stuart Painter (NOCS)	Physical Oceanography
Dr. Chris Gallienne (PML)	Optics
Dr. Glen Tarran (PML)	Analytical Flow Cytometry & Flow-Cam
Dr. Gavin Tilstone (PML)	Primary production & coloured dissolved organic matter (CDOM)

These are the priority areas for this special fellowship, and the selected POGO-SCOR Fellow should have a scientific interest in one of these areas of work; the corresponding PI will be the supervisor of the Fellow during the training period.

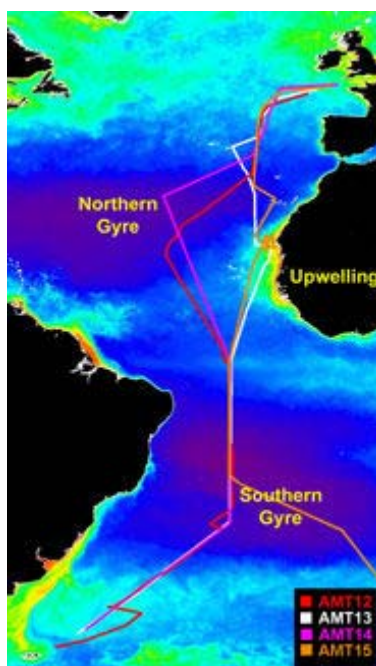


Fig. 1: Cruise tracks of AMT 12, 13, 14 & 15.

### What are the terms?

1. The fellowship will provide the costs of a round-trip ticket between the home institute of trainee and Plymouth/Southampton; subsistence allowance for up to three months stay in the UK depending on the particulars of the proposed training (@ 800 GBP per month; for 1 month before the cruise to participate in the cruise preparation and up to 1 months after the cruise to participate in the sample analyses and data processing); the flight back from South America; accommodation in Chile (on leaving ship); accommodation in UK (to join ship); ship messing fee; seafaring medical and sea survival course.

2. The trainee's institute will bear all expenses incurred by the fellow in his/her own nation (such as domestic travel, visa costs), and the host institute (PML/NOCS) will waive any bench fees that they may normally charge trainees.
3. POGO does not cover any of the expenses related to the training itself (such as the cost of consumables or software).

More details regarding the terms and conditions of the fellowship are provided in the application form.

**How does one apply?**

Fellowship applicants should complete and submit the application form given below. Only applications that are complete in all respects will be considered for the competition. Deadline: **The deadline for the next round of applications is June 1, 2010.**

**APPLICATION FOR AMT POGO FELLOWSHIP  
APPLICANT INFORMATION**

NAME: GENDER: M/F  
POSITION: NATIONALITY:  
INSTITUTION:  
MAILING ADDRESS:  
E-MAIL ADDRESS:  
TELEPHONE: FACSIMILE:  
WHERE DID YOU HEAR ABOUT THIS FELLOWSHIP?

**SUPERVISOR AT APPLICANT'S PARENT INSTITUTION**

NAME:  
INSTITUTION:  
MAILING ADDRESS:  
  
E-MAIL ADDRESS:  
TELEPHONE: FACSIMILE:  
Letter of Recommendation from Supervisor Attached:  Yes  No

**SUPERVISOR AT APPLICANT'S HOST INSTITUTION**

NAME:  
INSTITUTION:  
MAILING ADDRESS:  
  
E-MAIL ADDRESS:  
TELEPHONE: FACSIMILE:  
Letter of Acceptance at Host Institution Attached:  Yes  No

***Important:*** Acceptance letter to indicate reasonable monthly stipend amount for living expenses (not to exceed 800 Euros).

Title of proposed training activity:

Description of training solicited:

Relevance to ongoing or planned programmes at the parent institution and links to GOOS initiatives:

Academic qualifications and professional experience of the applicant relevant to the training:

How will the training contribute to sustained capacity building at the parent institution?

Proposed duration of training:

Preferred dates of training:

Estimated cost of economy return international air travel from parent country to host institution:

**It is recommended that descriptive sections be limited to about 100 - 150 words. Please use font sizes of 10 pt or larger.**

Please send electronic versions of completed applications and attachments by

e-mail: [pogoadmin@pml.ac.uk](mailto:pogoadmin@pml.ac.uk)

In addition, mail signed originals to: POGO Fellowship, Plymouth Marine Laboratory, Prospect Place,  
The Hoe, Plymouth, Devon, UK PL1 2DH

## **The terms of the Fellowship**

1. The fellowship will provide international airfare and subsistence allowance for the fellowship period (the actual amount will be tailored to meet local conditions taking into consideration the advice from the host supervisor, but will not exceed Euros 800 per month).
2. The trainee's institute will bear all expenses incurred by the fellow in his/her own nation (such as domestic travel, visa costs), and the host institute will waive any bench fees that they may normally charge trainees.
3. The trainee and the supervisors at the parent and host institutes are required to provide a short progress report at the end of the training period, to evaluate the success of the fellowship programme.
4. POGO does not cover any of the expenses related to the training itself.
5. POGO assumes no responsibility for compensation in the event of sickness, accident, death or disability of a Fellowship holder, nor does it arrange for insurance of a trainee or reimburse premiums paid therefore.
6. The trainees are not considered agents or members of the staff of POGO, and shall not be entitled to any privileges, immunities, compensation or reimbursements, except as otherwise provided herein, nor are the trainees authorised to commit POGO to any expenditure or other obligation.

## **Review Process**

Representatives from POGO will review the applications.

In their decision-making, the Selection Committee will consider the following points:

1. Quality of the application;
2. Relevance of the application to the priority areas identified in the Fellowship Announcement;
3. Evidence that the training will lead to improved sustained observations in the region, or improved applications of such data;
4. Evidence that the training will lead to capacity-building with potential lasting impact on regional observations; and,
5. The need to maximise regional balance in distribution of the awards.

All applicants will be informed of the decision about two months after the deadline for applications.