

SPECIAL CALL FOR APPLICATIONS

Biostratigrapher (Radiolaria) based in ECORD Member Countries to participate in

Amundsen Sea West Antarctic Ice Sheet History Expedition (379)

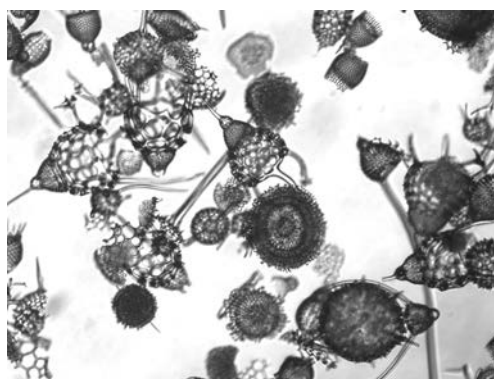
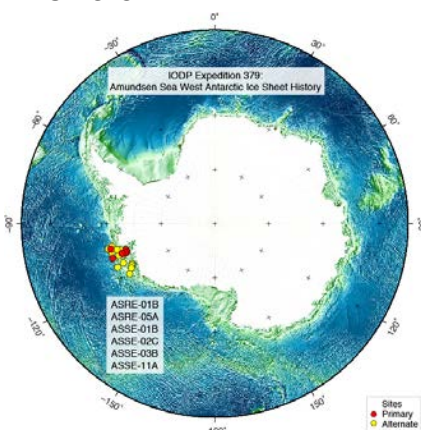
on board the *JOIDES Resolution*

DEADLINE to apply: 28 February 2018

The European Consortium for Ocean Research Drilling (ECORD) offers you the unique opportunity to sail on Expedition 379 onboard the *JOIDES Resolution* in the framework of the International Ocean Discovery Program (IODP), an international research program for drilling at sea.

EXPEDITION 379

18 January to 20 March 2019



The West Antarctic Ice Sheet (WAIS) is largely marine-based, highly sensitive to climatic and oceanographic changes, has had a dynamic history over the last several million years, and if completely melted, could result in a global sea-level rise of 3.3-4.3 m. Expedition 379 will obtain records from the continental shelf and rise of the Amundsen Sea to document WAIS dynamics in an area unaffected by other ice sheets as well and that currently experiences the largest ice loss in Antarctica.

The primary objectives include **(a)** reconstructing the Paleogene to Holocene glacial history of West Antarctica, **(b)** correlating the Amundsen Sea WAIS-proximal records with global records of ice volume changes and air/seawater temperature proxy records, **(c)** constraining the relationship between incursions of warm water masses onto the continental shelf and the stability of marine based ice sheet margins, and **(d)** reconstructing major WAIS advances onto the middle and outer shelf, including the first ice sheet expansion onto the continental shelf of the Amundsen Sea Embayment and its possible control by the uplift of Marie Byrd Land.

For more information about the expedition science objectives and the *JOIDES Resolution* Expedition Schedule see <http://iodp.tamu.edu/scienceops/> - this includes links to the individual expedition web pages with the original IODP proposal and expedition planning information.

WHO SHOULD APPLY: We are looking for a biostratigrapher, with a particular focus in radiolaria, of the Antarctic region or Southern Ocean!

The **Application Process** is open to scientists in all ECORD member countries. Please download the *Apply to Sail* general application forms from the ESSAC webpage:

- Form Expedition 379: <http://www.ecord.org/expeditions/apply-to-sail/>

Please, fill out all applicable fields and send it to the ESSAC office by email (essac@plymouth.ac.uk) with the following additional documents until **28 February 2018**:

1. **A letter of interest** outlining your specific expertise, previous involvement in DSDP/ ODP/ IODP expeditions, research interests, primary research goals of your proposed participation.
2. **CV and publication list.**
3. **Young researchers** must additionally provide a **letter of support** from their host institution, including information on post-cruise science support.

All applications should state how you intend to achieve the proposed scientific objectives, with information on the funding scheme and support from your institution or national funding agencies. More information can be found under: <http://www.ecord.org/expeditions/apply-to-sail/>

In addition to the ESSAC application, all applicants *must inform their national office or national delegate* and send a copy of the application documents. The national offices or national delegates can also provide information regarding travel support, post-cruise funding opportunities, etc.

See <http://www.ecord.org/about-ecord/about-us/> for a list of the national contact persons.

For further information or questions, please contact the ESSAC Office:

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