

The PIER Review



Welcome to the April 2018 issue of the PIER Review, the monthly GOA-ON Pier2Peer newsletter. The Review will highlight accomplishments, provide updates for our members, highlight open-access research on ocean acidification, and share funding or job opportunities. Please send all of your ideas for the newsletter to Meredith Kurz (meredith.kurz@noaa.gov) and we will be sure to incorporate your feedback into future editions of The PIER Review.

P2P PARTNERSHIP Tips and Examples

This section will alternate between featuring articles on mentorship in research and featuring a fruitful P2P partnership.

Tips for Mentors Adapted from “[Top 10 Tips for Mentors](#)” in Science Magazine

1. Take the time to ask your mentee what their professional goals are and brainstorm small ways you can help them get there, like sharing reference materials or sending them some papers related to their specific interests. It’s easier to accomplish big projects by breaking them up into small tasks.
2. Share successful proposals or publications that you wrote early in your career to give an example of what you were doing when you were at the same stage in your career.
3. Some mentees will thrive when you give them space to formulate and ask their own questions; others will thrive if you invite their questions on a regular basis rather than waiting for them to come to you. Take the time to discern which method better suits your mentee.
4. Hold your mentee’s writing and study designs to high standards, but be sure to give praise whenever it is due. It is just as helpful for an early career scientist to know when they have done something well as it is for them to know when they need to improve.
5. Remember to occasionally ask your mentee how you are doing as a mentor and if you can provide additional support. An early career scientist may be reluctant to tell you if they need more guidance or if they have negative feedback, but these difficult conversations are necessary to grow the partnership. Communication often tapers off when necessary constructive criticism goes unsaid.
6. Share your network with your mentee. If you know a colleague who may be a beneficial contact for your mentee, then introduce them. Pier2Peer partnerships do not have to be closed relationships.
7. Enjoy the mentoring relationship! Not all of your conversations have to be strictly formal, and eventually your mentee could be a life-long colleague.

BECOME A Pier2Peer RECRUITER

We are always recruiting senior and experienced OA observing experts to serve as mentors and early career scientists from emerging regions to become mentees. If you know someone who would be a good mentor or mentee, direct them to the [Pier2Peer website](#) or put them in contact with Meredith Kurz (meredith.kurz@noaa.gov).

If you are attending a meeting or event, are interested in sharing a few slides on the program and disseminating sign-up information, please email Meredith and we will send you communication materials and sign-up sheets for your upcoming event. And thanks!

UPCOMING OA WORKSHOPS

Ocean Carbon Biogeochemistry (OCB) Biogeochemical Profiling Float Workshop

Organization: Ocean Carbon Biogeochemistry Program

Date and Location: 9-13 July 2018 at University of Washington in Seattle, Washington, USA

Description: This workshop will bring together potential users of biogeochemical profiling float technology, sensors, and data. Participants will discuss study designs, technology development, and data management. There is a very limited amount of money for travel assistance.

Registration: Open until filled

[Workshop Details](#)

UPCOMING EVENTS and CONFERENCES:

The 4th International Symposium on the Effects of Climate Change on the World's Oceans

hosted by ICES/PICES/IOC-UNESCO/FAO on 4-8 June 2018 in Washington, D.C., U.S.A. Abstract submission is closed but registration is still open.

The Association for the Sciences of Limnology and Oceanography 2018 Summer Meeting will be held on 10-15 June 2018 in Victoria, British Columbia, Canada. Abstract submission is closed but registration is still open.

The 4th GEO Blue Planet Symposium on Oceans and Society will be held on 4-6 July 2018 in Toulouse, France. Abstracts for poster presentations are due by 16 April 2018, registration is still open.

The International Council for the Exploration of the Sea (ICES) Annual Science Conference 2018 will be held on 24-27 September 2018 in Hamburg, Germany. Abstract submission is closed but registration is still open.

The Sustainable Ocean Summit organized by the World Ocean Council will be held on 14-16 November 2018 in Hong Kong.

[The 24th Conference of the Parties to the UN Framework Convention on Climate Change](#) will be held on 3-14 December 2018 in Katowice, Poland. Registration as a non-Party stakeholder is not yet open.

[OceanObs'19](#) is part of a decadal conference series on setting ocean observation priorities to be held on 16-20 September 2019 in Honolulu, Hawaii, U.S.A. Abstract submission for white papers is closed; registration and a call for posters will be open in the fall of 2018. OceanObs'19 is expecting 1400-1500 attendees and will announce some scholarships to attend for early career scientists and those working in developing nations at a later date.

FUNDING and JOB OPPORTUNITIES:

POGO-SCOR Visiting Fellowships

Organization: Partnership for Observation of the Global Oceans and the Scientific Committee on Oceanic Research

Description: The fellowship program is open to graduate students, post-doctoral fellows, and early career scientists of developing countries and transitioning countries who are involved in oceanographic work. The fellowship is geared to support training in oceanographic observations, analyses, and interpretation by sending trainees to other labs for 1-3 months.

Requirements: Applicants must be early career scientists or graduate students in the oceanographic sciences in a developing country or transitioning country.

Amount: Travel and subsistence funds

Application Deadline: 9 April 2018

[Application Details](#)

The Ocean Foundation Pier2Peer Scholarships

Organization: The Ocean Foundation

Description: Small grant program providing funds to Pier2Peer matches to collaborate on a project, conduct training visits, collect data for GOA-ON submission, etc.

Requirements: Applicants must be in a Pier2Peer partnership and applying to use funds to support this collaboration.

Amount: USD 5,000

Application Deadline: 16 April 2018 for Spring 2018 review round; applications accepted on a continuing basis; submit to avalauriorton@oceanfdn.org and meredith.kurz@noaa.gov.

Application Details: Attachment with this email

The World Academy of Sciences Research Grants Programme (Groups)

Organization: The World Academy of Sciences, the Swedish International Development Cooperation Agency

Description: Under this scheme, grants can be awarded for research projects in Biology, Chemistry, Mathematics and Physics to research units in the science-and-technology-lagging countries (S&TLC) identified by TWAS, to enable them to purchase the research facilities they need to enhance their productivity.

Requirements: Applicants must be from one of the 66 [S&TLC countries](#), hold a PhD, and be a lab supervisor for at least one graduate student.

Amount: Maximum USD 30,000

Application Deadline: 11 May 2018

[Application Details](#)

The World Academy of Sciences Research Grants Programme (Individuals)

Organization: The World Academy of Sciences, the Swedish International Development Cooperation Agency

Description: Under this scheme, grants can be awarded for research projects in Biology, Chemistry, Mathematics and Physics to individual young researchers in the science-and-technology-lagging countries (S&TLC) identified by TWAS, to enable them to purchase the research facilities they need to enhance their productivity.

Requirements: Applicants must be from one of the 66 [S&TLC countries](#), hold a PhD, and be under 45.

Amount: Maximum USD 30,000

Application Deadline: 11 May 2018

[Application Details](#)

Inter-American Institute on Global Change Research

Organization: The Inter-American Institute for Global Change Research (IAI)

Description: The IAI will fund international collaborative research networks for two years on the role of ecosystem services in adaptation to global change for human wellbeing.

Requirements: Applicants must be scientists or stakeholders from [IAI member countries](#).

Amount: Up to USD 200,000

Application Deadline: May 27, 2018 to spghw@dir.iai

Application Details: Attachment with this email

Western Indian Ocean Marine Science Association Marine Research Grant Programme

Organization: Western Indian Ocean Marine Science Association (WIOMSA)

Description: The award is designed to enhance the capacity of scientists in the Western Indian Ocean region to conduct marine research. There are three tiers (MARG I, II, III) that vary in duration and amount.

Requirements: Applicants should be young scientists studying the Western Indian Ocean region

Amount: USD 3,000 (MARG III), USD 6,000 (MARG II), and USD 10,000 (MARG I)

Application Deadline: 27 April 2018 for MARG I, 30 September 2018 for MARG II, no deadline for MARG III

[Application Details](#)

US Agency for International Development Partnership for Enhanced Education and Research

Organization: US Agency for International Development and US National Science Foundation

Description: The award is intended to foster international partnerships between eligible developing country institutions and a partner US institution.

Requirements: Applications must be submitted together by representatives from either a higher education institution in the US or from a higher education institution in a developing country. Either institution may be the prime awardee and the two institutions must have well developed plans to collaborate. [Examples of previous awards](#)

Amount: USD 500,00 to 1,000,000

Application Deadline: Next deadline January 2019; proposals can take a while to develop
[Application Details](#)

EMBO Short-Term Travel Fellowships

Organization: European Molecular Biology Organization

Description: The fellowship funds research exchanges of up to three months between laboratories in [eligible member countries and cooperation partners](#).

Requirements: Applicants must be from one of the member or cooperation countries and traveling to a lab in another member or cooperation country. Research must be related to life sciences. The travel must be associated with a larger project and not just limited to training in a technique, though it can include that type of training.

Amount: Travel and living costs of the traveling fellow

Application Deadline: Three months before proposed starting date of travel

[Application Details](#)

Jobs Lists:

[The Global Marine Community Newsletter & Jobs List](#)

[Josh's Water Jobs List](#)

Links to SELECTED open access OA ARTICLES:

News:

The US National Oceanic and Atmospheric Administration Ocean Acidification Program released a technical report on their 2017 Principal Investigator's Meeting, [The NOAA Ocean Acidification Program: Taking Stock and Looking Forward](#)

[Outcomes of the Economist World Ocean Summit](#), held 7-9 March 2018 in Mexico

Scripps Institution of Oceanography Research Highlights: [Key Biological Mechanism is Disrupted by Ocean Acidification](#) and [Acid Ocean Poses Increased Reef Loss Risk](#)

Science Daily Research Highlight: [Biologists discover that female purple sea urchins prime their progeny to succeed in the face of stress](#)

Science:

Bergman, J.L., S. Harii, H. Kurihara, and P.J. Edmunds. (2018). [Behavior of coral larvae in response to elevated CO₂](#) *Frontiers in Marine Science*.

Egea, L.G., R. Jiménez-Ramos, I. Hernández, T.J. Bouma, and F.G. Brun. (2018). [Effects of ocean acidification and hydrodynamic conditions on carbon metabolism and dissolved organic carbon \(DOC\) fluxes in seagrass populations.](#) *PLoS ONE*. 13(2): e0192402.

Deppeler, S., K. Petrou, K.G. Schulz, K. Westwood, I. Pearce, J. McKinlay, and A. Davison. (2018) [Ocean acidification of a coastal Antarctic marine microbial community reveals a critical threshold for CO₂ tolerance in phytoplankton productivity.](#) *Biogeosciences*.

Matear, R.J. and A. Lenton. (2018). [Carbon-climate feedbacks accelerate ocean acidification.](#) *Biogeosciences*. 15:1721-1732.

Ni, S., I. Taubner, F. Böhm, V. Winde, and M.E. Böttcher. (2018). [Effect of temperature rise and ocean acidification on growth of calcifying tubeworm shells \(*Spirorbis spirorbis*\): an in situ benthocosm approach.](#) *Biogeosciences*. 15:1425-1445.

Pansch, C., G.S.Y. Hattich, M.E. Heinrichs, A. Pansch, Z. Zagrodzka, and J.N. Havenhand. (2018). [Long-term exposure to acidification disrupts reproduction in a marine invertebrate.](#) *PLoS ONE* 13(2): e0192036.

Sswat, M., M.H. Stiasny, F. Jutfelt, U. Riebesell, and C. Clemmesen. (2018). [Growth performance and survival of larval Atlantic herring, under the combined effects of elevated temperatures and CO₂.](#) *PLoS ONE*.

Trull, T.W., A. Passmore, D.M. Davies, T. Smit, K. Berry, and B. Tilbrook. (2018). [Distribution of planktonic biogenic carbonate organisms in the Southern Ocean south of Australia: a baseline for ocean acidification impact assessment.](#) *Biogeosciences*. 15:31-49 doi: 10.5194/bg-15-31-2018

Policy and Management:

Olsen, E., I.C. Kaplan, C. Ainsworth, G. Fay., S. Gaichas, R. Gamble, R. Girardin, C.H. Eide, T.F. Ihde, H. N. Morzaria-Luna, K.F. Johnson, M. Savina-Rolland, H. Townsend, M. Weijerman, E.A. Fulton, and J.S. Link. (2018). [Ocean Futures Under Ocean Acidification, Marine Protection, and Changing Fishing Pressures Explored Using a Worldwide Suite of Ecosystem Models.](#) *Frontiers in Marine Science*. <https://doi.org/10.3389/fmars.2018.00064>

