

Current Training Opportunities within the International Ocean Discovery Program (IODP)

*What can you do to get involved +
How to make the most of those opportunities*

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IODP
INTERNATIONAL OCEAN
DISCOVERY PROGRAM

IMPACT Workshop: Preparing the Next Generation
August 2-4, 2021 • Virtual

Training Opportunities

- Training Courses
- Summer Schools and Workshops
- Other Resources
- Sailing: IODP & non-IODP opportunities
- Skills
- Training Development

...a (non-comprehensive) list...

Annual Training Courses

- **ECORD Training Course: Virtual Drillship Experience**
 - one-week course, basic training on IODP core flow procedures
 - prepare participants for sailing on an offshore drilling expedition
- **ECORD Summer School: Downhole Logging for IODP Science**
 - one-week school, introducing interpretation and applications of downhole logs + physical properties data, exploring their relevance for a range of fields
- **ECORD Summer School** (topic varies by year)
- **Urbino Summer School in Paleoclimatology**
 - three-week school, intensive program on reconstructing history and dynamics of paleoclimate, through integrated lectures, case studies, field + lab analyses

Summer Schools, Workshops

- **Antarctic Summer School**
 - Introduction to Antarctic paleoclimate research using sediment rock/cores
 - Hands-on training in core description, measurement, and interpretation
- **Demystifying the IODP Proposal Process for Early Career Scientists**
 - Provide ECRs with direct experience in IODP proposal process, develop proposal ideas for a specific region, and build interdisciplinary community
- **Short Course on Shipboard Sedimentology**
 - Hands-on training in data collection (sediment description, petrography), interpretation, and integration, using scientific ocean drilling cores and labs
- **Core-Log-Seismic Investigation at Sea**
 - Aboard D/V Chikyu; Core sampling + data integration during IODP Exp. 380

Other Resources

- Informational sessions
 - Site Survey Data Bank, aimed at new users (Science Support Office)
- Online resources
 - Videos: smear slides, shipboard roles (JR YouTube channel)
 - joidesresolution.org: teaching kits, activities, books, and games
 - IODP/ODP/DSDP Technical Notes
 - Digital Reference for Smear Slide Analysis (several volumes, plus tutorials)
 - Recommendations for microbiological sampling and contamination tracer use
- Publications
 - IODP Proceedings “Methods”; ODP/DSDP Initial Reports “Explanatory Notes”
 - “Reconstructing Earth’s Climate History” textbook

Research cruises: IODP and non-IODP

APPLY

- Informational webinar
- Prepare your application



IODP Expeditions



SAIL

- Pre-cruise training and prep
- Learn from lab group, science party, technical team



SEMESTER AT SEA®

Site survey cruises



SEA|MESTER



NSF-UNOLS Chief scientist Training Cruises
UNOLS Cruise Opportunity Program

...and so many more...

Scientific and Transdisciplinary Skills

- Primary goal may be to develop *scientific* skills...but also opportunities to develop *transdisciplinary* skills
- For ex., Short Course for Shipboard Sedimentology
 - Primary: *sediment core description, smear slide preparation*
 - Plus: *collaboration, integration, presentation skills, networking*
- Think about both in considering training opportunities

When you apply, highlight potential **broader impacts** the training might have for you

Actively work to develop both **scientific** and **transdisciplinary** skills while you are participating

Training Development

- Formal pathways
 - **Community-driven**: Individuals submit proposals to USSSP's standing funding programs; peer-reviewed decisions on funding
 - **Program-driven**: USSSP/USAC develops training in response to broader programmatic priorities and interests
- Informal pathways
 - **Talk to USSSP Staff** about your ideas for new course topics, training modules, workshops...
 - **Share your feedback**: Post-event surveys, email organizers with your ideas about how to enhance training opportunities

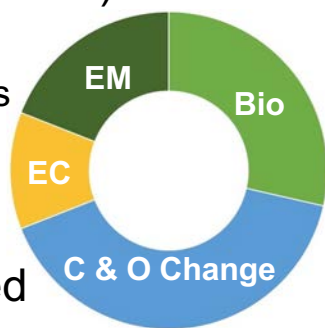
YOU can help develop new opportunities...

Demystifying the IODP Proposal Process for Early Career Scientists



Workshop Committee: Jeanine Ash, Rocío Caballero-Gill, Andy Fraass, Jessica Labonté, Chris Lowery, Steve Phillips, and Sonia Tikoo

- 42 participants (+ 4 organizers)
 - 24 graduate students
 - 13 postdoctoral researchers
 - 5 assistant professors
 - 4 research scientists



- IODP Themes represented



Lamont-Doherty Earth Observatory, Palisades, NY
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