**Shedding Light on Cyanobacteria Webinar**

On Wednesday May 11th, USEPA Region 8 hosted a webinar on Wednesday, May 11th, 2016 from 1:00 to 3:00 p.m. (MDT) on field and laboratory methods specific to cyanobacteria sampling. Dr. Barry Rosen (USGS) and Ms. Sarah Rushforth (Phycological Research Consortium) presented an overview of cyanobacteria and their role in natural history as well as in modern aquatic ecosystems. Barry and Sarah also discussed ecological strategies of cyanobacteria such as buoyancy, nutrient storage, nitrogen fixation, and toxicity, as well as types of toxins, potentially toxic genera, means of exposure, mechanisms of action, and adverse effects. Presentations and audio recording are posted. 

**Great Lakes HABs Collaboratory Launches State of Science Webinar Series**

The Great Lakes Commission and United States Geological Survey’s Great Lakes HABs Collaboratory, in collaboration with Ohio Sea Grant and LimnoTech, is launching a HABs State of Science Webinar Series, which will focus on the latest research related to Harmful Algal Blooms in the Great Lakes. The series will kick off on Thursday, June 2, 2016 and consist of at least eight one-hour webinars throughout the summer, each featuring a different topic related to HABs. These webinars will have a speed-talk format: eight researchers will speak for five minutes each, followed by a group discussion with all attendees. For more information on the HABs Collaboratory please visit the HABs Collaboratory website at [http://glc.org/projects/water-quality/habs/](http://glc.org/projects/water-quality/habs/) or contact us at gl.habs.collaboratory@gmail.com.

**FUNDING OPPORTUNITIES:**

**Sensor Technology for the 21st Century**

Web page on sensor technology is designed to help sensor developers locate SBIR and/or STTR funding opportunities across federal agencies for investing in low cost, portable, easy-to-use technologies to facilitate the collection of real time, reliable measurement information. [Grants.gov](http://grants.gov) provides additional information on federal funding opportunities as well as the federal grants lifecycle, policies on grants management, and profiles on grant-making agencies.

**Grants available to develop technology to prevent harmful algal blooms**

The DEQ is offering $250,000 in grants to assist in the development of technology to combat harmful algal blooms. The grant is part of the DEQ’s initiative to better understand and prevent harmful algal blooms in the Western Lake Erie Basin and other bodies of water. DEQ will prioritize projects that use remote sensing data to assess the presence of cyanotoxins, enhance understanding of the triggers behind cyanotoxin production, develop better cyanotoxin sampling methods, and improve rapid screening methods for cyanotoxins. Local government, academic institutions and nonprofit entities are eligible for funding. Proposals are due June 17.

**Constitution Gardens, Washington, DC**

May 4th, 2016

**Upcoming Events**

- **HABs Data & Modeling Webinar**
  - June 2, 2016
  - 1-2 p.m. (EDT)

- **Summer 2016 Field Courses on Algae**
  - May – July, 2015
  - Iowa Lakeside Laboratory

- **ASLO 2016**
  - June 5 – 10, 2016
  - Santa Fe, New Mexico

- **IAGLR 2016**
  - June 6 to 10, 2016
  - Guelph, Ontario

- **IAFP 2016**
  - July 31-Aug 3, 2016
  - St. Louis, Missouri

- **17th ICHA**
  - October 9-14, 2016
  - Florianopolis, Brazil

- **16th GLBAC**
  - October 4-7, 2016
  - Marquette, Michigan

- **10th ITC**
  - October 23-28, 2016
  - Wuhan, China

- **SETAC 2016**
  - November 6-10, 2016
  - Orlando, FL

This newsletter was created by Lesley V. D’Anglada, Dr.PH. Office of Science and Technology, Office of Water, U.S.EPA (danglada.lesley@epa.gov)

For more information visit EPA’s CyanoHABs website at [www.epa.gov/cyanoHABs](http://www.epa.gov/cyanoHABs)
**HEALTH ADVISORIES AND POSTINGS**

**Oregon** – South Umpqua River and Lawson Bar

**Florida** – *Karenia Brevis* red tide, Banana River and Indian River Brown Tide bloom, [Lake Okeechobee](#)

**Washington** - Browns Lake, Lincoln; Luther Burbank Beach, King; Anderson Lake, Jefferson, [Marine Biotoxin Closure Zones](#)

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**Useful Resources**

- California CyanoHAB Network
- NOAA’s Lake Erie and HAB Forecasting
- Minnesota Department of Health
- Other HABs-related Listservs:
  - GLIN announce
  - Lake Erie HABs Bulletin
  - Great Lakes Region: Quarterly Climate Impacts and Outlook

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To sign up for the newsletter, send an email to danglada.lesley@epa.gov