

MICHAEL BRANDON JONES

National Science Foundation
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OBJECTIVE

To advance the cause of utilizing multiple perspectives and approaches to address the environmental concerns, issues and problems facing society.

EMPLOYMENT

March 2016-Present: **Program Director** National Science Foundation. Geosciences Directorate (Office of the Assistant Director). Program Director for Education and Broadening Participation for Directorate wide activities focused on increasing representation within the geosciences community and expanding geoscience education, learning, research and outreach opportunities. Also serves as the Lead for the GEO Education Team and the broadening participation program specialist within the Directorate.

Additional duties and responsibilities include:

- Participating with the Assistant Director and GEO senior staff members in developing appropriate education and broadening participation activities for the Directorate.
- Leading the formulation and implementation of a comprehensive Education and Broadening Participation strategy for the Directorate based on knowledge of the geosciences community and the assessment of existing activities.
- Making recommendations concerning GEO education programs and budget planning.
- Managing Program resources so as to provide optimal appropriate scientific judgment to ensure integrity and consistency in the grant/declination process without conflict of interests, and with balance across disciplines, institutions and historically marginalized groups, and participation of all qualified scientists.
- Managing an effective, timely merit review process, with attention to increasing the size and quality of the reviewer pools and insuring participation by individuals from historically marginalized groups.

March 2009-March 2016: **Fellowship Programs Manager** United States Environmental Protection Agency. Office of Research and Development (National Center for Environmental Research - NCER). Team leader for EPA's higher education student support programs including the Science To Achieve Results (STAR) Graduate and Greater Research Opportunities (GRO) Undergraduate Fellowships. Also, the cooperative agreement manager and coordinator for EPA's partnership with the American Association for the Advancement of Science (AAAS) and the Association of Schools and Programs of Public Health (ASPPH).

September 2011-March 2016: **Agency Representative**, The White House's Office of Science, Technology and Policy's Federal Committee on STEM (FC-STEM). Represents the United States Environmental Protection Agency in the strategic plan development and implementation for Federal education investments in STEM.

December 2013-February 2015: **Program Director - Detailee**, National Science Foundation (NSF). Education and Human Resources Directorate (Division of Graduate Education). Designed, implemented and led the first Federal professional development program for existing NSF graduate fellows (GRIP – Graduate Research Internship Program). Assisted in the linkage (promotion, branding, evaluation, etc.) of GRIP and GROW (Graduate Research Opportunities Worldwide) as professional development experiences for NSF graduate fellows. Assisted in administering Graduate Research Fellowship (GRFP) virtual review panels (first two years of the virtual reviews). Assisted in the

compliance review analysis portion of the NSF's National Research Traineeship Program (NRT).

February 2014-August 2015: **Project Lead**, United States Environmental Protection Agency. Office of Research and Development, Sustainable and Healthy Communities National Research Program's Environmental Innovation and Sustainable Education (EISE) Project. Coordinated activities and the development of project and task plans for the EISE project which is focused on connecting to the academic and private sectors for workforce development, innovative research and sustainable technologies. Programs under the EISE project include EPA's Fellowships, Small Business Innovation and Research (SBIR) Program and the People, Prosperity and the Planet (P3) Sustainable Design Program.

October 2012-2014: **Assistant Center Director for Ecosystems Research**, United States Environmental Protection Agency. Office of Research and Development/NCER. Coordinated the infusion of ecosystems concepts to support an integrated vision of the human health, tribal and fellowship focused research as it related to The Office of Research and Development's Sustainable and Healthy Communities Research Program.

October 2012-December 2013: **Matrix Interface**, United States Environmental Protection Agency. Office of Research and Development/NCER. Served on the Sustainable and Healthy Communities National Program (SHC) Director's team as the technical lead for research matters concerning NCER. Responsible for communicating, coordinating, and facilitating interactions between NCER and the Sustainable and Healthy Communities National Research Program throughout development and implementation of SHC related projects as they related to NCER.

November 2004-May 2009: **Global Ecology Program Manager/Project Officer** United States Environmental Protection Agency. Office of Research and Development/NCER. Global-Ecology grants manager for EPA STAR funded grant awards pertaining to the impact of climate change on ecosystems.

November 2003-2004: **Student Contractor**, United States Environmental Protection Agency. Office of Research and Development/NCER. Responsible for Eco-research synthesis documents and grants management support.

TECHNICAL

May 2000: **Research assistant**, University of Delaware (Deep Sea Submersible *ALVIN* cruise). Aided in collection, cultivation, dissection, and feeding experiments of hydrothermal vent crabs (larvae, post-larvae, and adults) on the East Pacific Rise (9° N).

January 1993: **Research Assistant**, University of Delaware, Costa Rica research team. Assisted in collection, identification and preservation of aquatic mangrove organisms for molecular and biological studies.

Summer 1991: **Research Assistant**, Field Study, Brooks Mountain Range, Alaska. Assisted a research team from EPA's Corvallis Lab and Oregon State University; collected mosses, lichens, lake trout and ground squirrels for toxicological analysis of arctic atmospheric contaminants.

Summer 1990: **Research Assistant**, MBRS program, Lincoln University. Assisted in the collection and culturing of fecal indicators from coastal New Jersey and the Northern Chesapeake Bay.

January 1990-April 1990: **Research Assistant**, MBRS program, Lincoln University. Assisted in the collection and culturing of fecal indicators from the University's water treatment plant.

March 1990-April 1990: **Intern**, Chesapeake Bay Foundation.
Examined suspended solids in 4 streams of the Elk Creek watershed. Analyzed the contribution of suspended solids from the Elk Creek Basin into the Chesapeake Bay watershed.

EDUCATIONAL

January–December 2008 – **Adjunct professor**. Taught two semesters of Environmental Science (lecture and lab). Trinity University, Washington DC.

July 2001 - 2003: **Field coordinator** for University of Delaware's Marine Advisory Service. Coordinated estuarine-based field trips for Delaware's Governor's Academy students.

October 2001: **Educational Coordinator / Reporter** for Extreme 2001 *ALVIN* cruise. Responsible for compilation and transfer of daily, website information from the *ALVIN* tender vessel ATLANTIS II to University of Delaware's Office of Marine Communications.

September 1994-July 1999: **Certified Secondary Educator (H.S. Science Teacher)**, Prince George's County Public Schools (MD) Taught biology, environmental science, Earth science and research applications.

March 1993: **Educational Consultant** for University of Delaware's Marine Advisory Service. Assisted in tours and Delaware Bay field trips for local middle school students.

PREPARATION

PhD - 2003, Marine studies. University of Delaware, College of Earth Ocean and Environment
Researched larval crab patch formation, structure, transport and recruitment via physical and biological mechanisms in Delaware Bay.

MS - 1994, Marine Studies. University of Delaware, College of Earth Ocean and Environment
Researched the physical mechanisms that control larval crab recruitment into a secondary nursery area of the Delaware Bay.

BA - 1991, Biology. Lincoln University, PA (HBCU)

AWARDS

- * Group Achievement Award. GLOBE Program. National Aeronautics and Space Administration – May 2022
- * Director's Award. Achievement in Equal Opportunity/Diversity. National Science Foundation – April 2021
- * Director's Award. Anti-harassment Task Force. National Science Foundation - April 2019
- * Presidential Award for Outstanding Achievement. University of Delaware – October 2014
- * Assistance Management Team Award. U.S. EPA/Office of Acquisition and Resource Management – June 2014
- * EPA Region 3 Peer Award – March 2012
- * Exemplary Leadership in National EEO Agency Award (DEI). U.S. EPA - June 2009
- * EPA Region 10 Peer Award – June 2009
- * Exemplary Leadership in National EEO Agency Award (DEI). U.S. EPA - April 2005
- * Presidential Management Intern Finalist – August 2003
- * EPA Greater Research Opportunities (GRO) Fellow – 1990-91

SYNERGISTIC ACTIVITIES

- * Numerous invited presentations, posters, panels and sessions
 - * Member 2021-2022: Leadership and Governance Committee – American Geophysical Union
 - * Member 2017-2020: Board of Directors – American Geophysical Union
 - * Member 2017: Talent Pool Task Force – American Geophysical Union
 - * Member 2015-2021: Board of Directors - Environmental Leadership Program
 - * Member 2013-2019: Dean's Advisory Committee for U of Delaware CEOE
 - * Member 2012: Committee of Visitors - National Science Foundation's Ocean Sciences
 - * Member 2008-2011: National Advisory Committee - Center of Ocean Science Education Excellence
- * Behl, M., S. Cooper, C. Garza, S.E. Kolesar, S. Legg, J.C. Lewis, L. White, and B. Jones. 2021. Changing the culture of coastal, ocean, and marine sciences: Strategies for individual and collective actions. *Oceanography* 34(3):53–60

PROFESSIONAL

Alpha Phi Alpha Fraternity, Inc.
American Geophysical Union (AGU)
Association for the Sciences of Limnology and Oceanography (ASLO)
Beta Beta Beta Honors Society
Beta Kappa Chi Scientific Honors Society
Geological Society of American (GSA)
National Technical Association