The Symposium will convene key stakeholders to explore the skills, knowledge and attitudes needed by water professionals and institutions. The meeting will also study how new food system technologies – such as those involved in cellular agriculture ('clean' meat) – can alleviate water scarcity by conserving water and other resources. To better manage water security, research has a clear objective of protecting human and ecological health. The Division of Environmental Biology (DEB) encourages proposals that apply scientific and engineering principles to investigate and prevent the adverse impacts of marine debris. The mission of the NOAA MDP is to leads national efforts to address marine debris. The mission of the NOAA MDP is to conduct research, prevention, and reduction activities that aim to conserve and protect our nation's marine environment, and coastal economy, as well as ensure navigation safety. The contact for this program is Kimberlie Laing, 301-903-3026. The deadline is September 30, 2020, with an amount of $150,000. The contact for this program is Penny Douglas, 202-253-0504. The deadline is December 4, 2019, with an amount of $7,126,200. The contact for this program is Dr. Padhu Seshaiyer. The deadline is January 15, 2020, with an amount of $8,500,000. The contact for this program is Douglas J. Levey. The deadline is December 4, 2019, with an amount of $8,500,000. The contact for this program is Dr. Padhu Seshaiyer. The deadline is February 14, 2020, with an amount of $150,000. The contact for this program is Penny Douglas, 202-253-0504. The deadline is March 5, 2020, with an amount of $5,000,000. The contact for this program is Dr. Padhu Seshaiyer. The deadline is April 30, 2020, with an amount of $4,500,000. The contact for this program is Penny Douglas, 202-253-0504. The deadline is June 15, 2020, with an amount of $3,700,000. The contact for this program is Dr. Padhu Seshaiyer. The deadline is August 5, 2020, with an amount of $2,500,000. The contact for this program is Penny Douglas, 202-253-0504. The deadline is October 15, 2020, with an amount of $2,300,000. The contact for this program is Dr. Padhu Seshaiyer. The deadline is November 15, 2020, with an amount of $2,100,000. The contact for this program is Penny Douglas, 202-253-0504. The deadline is December 15, 2020, with an amount of $1,900,000. The contact for this program is Dr. Padhu Seshaiyer. The deadline is January 15, 2021, with an amount of $1,700,000. The contact for this program is Penny Douglas, 202-253-0504. The deadline is February 15, 2021, with an amount of $1,500,000. The contact for this program is Dr. Padhu Seshaiyer. The deadline is March 15, 2021, with an amount of $1,300,000. The contact for this program is Penny Douglas, 202-253-0504. The deadline is April 15, 2021, with an amount of $1,100,000. The contact for this program is Dr. Padhu Seshaiyer. The deadline is May 15, 2021, with an amount of $900,000. The contact for this program is Penny Douglas, 202-253-0504. The deadline is June 15, 2021, with an amount of $700,000. The contact for this program is Dr. Padhu Seshaiyer. The deadline is July 15, 2021, with an amount of $500,000. The contact for this program is Penny Douglas, 202-253-0504. The deadline is August 15, 2021, with an amount of $300,000. The contact for this program is Dr. Padhu Seshaiyer. The deadline is September 15, 2021, with an amount of $100,000. The contact for this program is Penny Douglas, 202-253-0504. The deadline is October 15, 2021, with an amount of $10,000. The contact for this program is Dr. Padhu Seshaiyer. The deadline is November 15, 2021, with an amount of $10,000. The contact for this program is Penny Douglas, 202-253-0504. The deadline is December 15, 2021, with an amount of $10,000.