2022 RACHEL CARSON SCIENCE, TECHNOLOGY & SOCIETY LECTURE

(RE)BUILDING A THRIVING WORLD MENTORED BY NATURE'S GENIUS

MARCH 1
2022 6:30P.M.
KAREN HILLE PHILLIPS CENTER

ALSO STREAMING **LIVE ONLINE**

This lecture is made possible by the George L. & Helen B. Long Science, Technology and Society Endowment in Natural Sciences.

THE RACHEL CARSON LECTURE SERIES

This lecture series honors Carson's life-long love for the natural world; her dedication to science, the environment, and care for all living things; and her tenacious sprit in the face of adversity.

FEATURED SPEAKER
DR. DAYNA BAUMEISTER

Dr. Dayna Baumeister is the co-founder of Biomimicry 3.8. Biomimicry is learning from and then emulating nature's forms, processes and ecosystems to create more sustainable designs. With a devotion to applied natural history and a passion for sharing the genius of nature, Dr. Baumeister has worked in the field of biomimicry since 1998 traveling the world as a biomimicry thought leader, business consultant, and professor.

The Long Science, Technology and Society Endowed Internship Fund provides financial assistance to PLU students who participate in otherwise unpaid internships in a field related to science and technology. Through the internship fund, students are able to gain experience in a particular field that might otherwise have been out of reach. To date, there have been 12 Long Interns. The Long Internship continues to provide PLU students with outstanding opportunities with organizations such as the APEX Summer Camp at the UW Autism Center, Pike Place Market Foundation, Wildlife Safari Park in Oregon, and the Division of Allergy and Infectious Diseases at UW Medicine.

GEORGE ’66 AND HELEN LONG

Dr. George Long graduated from Pacific Lutheran University in 1966 with degrees in both biology and chemistry. He received his Ph.D. in biochemistry from Brandeis University and went on to teach and conduct research in chemistry and biochemistry at Pomona College, the University of Washington and Eli Lilly & Company in Indianapolis. Now Emeritus Professor of Biochemistry at the University of Vermont, Dr. Long served as Professor of Biochemistry in the College of Medicine from 1986 to 2006.

In 2002, Dr. Long was awarded National Inventor of the year by the National Organization for Intellectual Property. He was elected to the Vermont Academy of Science and Technology in 2003 and was named Distinguished Alumnus at Pacific Lutheran University in 2005.

Dr. Long is the proud father of five daughters. In 2000, He married Helen Seltstedt. Together they owned and operated a bed and breakfast for 13 years in Burlington, Vermont, where they both remain very active in the community.

Together, the Longs enjoy gardening, bicycling, cooking, travel and reading, and currently spend winters in Arizona. They also enjoy time and activities with their grandchildren.

The Shinkansen Bullet Train *of the West Japan Railway Company modeled the front-end of the train after the beak of* ***kingfishers****, which dive from the air into bodies of water with very little splash to catch fish, resulting not only in a quieter train, but 15% less electricity use even while the train travels 10% faster.*

Contributions to the George L. and Helen B. Long Science, Technology and Society Endowment in Natural Sciences may be made through the Office of Advancement at Pacific Lutheran University, 12180 Park Ave, Tacoma, WA 98447 or at plu.edu/advancement or by contacting Lauralee Hagen at hagen@plu.edu or 253-535-7203.

If you would like more information and/or to receive email announcements of future Rachel Carson Lectures and other Natural Sciences Division events, please contact Christine Nicolai at nicolacs@plu.edu or 253-535-7400.

PAST RACHEL CARSON SCIENCE, TECHNOLOGY AND SOCIETY LECTURES:

2017: Dr. Jim Anderson
"Science and Politics of Global Climate Change"

2018: Dr. Pamela Ronald
"The Case for Engineering Our Food"

2019: Dr. James McLurkin
"The Future of Robotics Is Swarms"

2020: Dr. William Foege
"Why to Avoid a Life Plan"

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