



2024 LUND SYMPOSIUM

On Human Origins and the Future of Humanity



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**TALK TITLE: Evolution for Chemical
Innovation**

Frances Arnold is the Linus Pauling Professor of Chemical Engineering, Bioengineering and Biochemistry at the California Institute of Technology. In 2018, Arnold received the Nobel Prize in Chemistry for pioneering directed evolution methods used to make enzymes for applications in sustainable chemistry across medicine, consumer products, agriculture, fuels and chemicals. In 2021, she was appointed Co-Chair of the Presidential Council of Advisors for Science and Technology (PCAST) by President Biden. She cofounded three companies in sustainable fuels and chemicals and serves on the boards of Alphabet, Illumina and several private companies. Arnold has been elected to the US National Academies of Science, Medicine, and Engineering, the American Academy of Arts and Sciences, the American Philosophical Society, and the Pontifical Academy of Sciences of the Vatican. Arnold received her B.S. in Mechanical and Aerospace Engineering from Princeton University and her Ph.D. in Chemical Engineering from the University of California, Berkeley.

CELEBRATING THE 50TH ANNIVERSARY
OF THE DISCOVERY OF LUCY