



Haruko Takeyama earned her Doctorate in Engineering from the Department of Biotechnology at the Tokyo University of Agriculture and Technology in 1992. From 1991 to 1994, she served as a research fellow at the University of Miami's Rosenstiel School of Marine and Atmospheric Science. She progressed through academic ranks at the Tokyo University of Agriculture and Technology, serving as an Assistant Professor from 1994 to 1999, an Associate Professor from 1999 to 2005, and Professor from 2005 to 2007 in the Department of Biotechnology. In 2007, she was appointed to the position of Professor at Waseda University in the Faculty of Advanced Science and Engineering, Department of Life Science and Medical Bioscience (<http://www.takeyama-lab.sci.waseda.ac.jp/>). She

has been the Director of the Integrated Institute for Regulatory Science at the Research Organization for Nano & Life Innovation at Waseda University since 2009. In July 2016, she was named Director of the AIST (National Institute of Advanced Industrial Science and Technology) and Waseda University Computational Bio Big-Data Open Innovation Laboratory, while also holding a joint appointment as a Joint Appointed Fellow of AIST. Since 2020, she has served as a project manager for the Moonshot R&D Program in the fields of agriculture, forestry, and fisheries. Since 2023, she has taken on the role of program officer for the Biotechnology Research field in the ASPIRE (Adopting Sustainable Partnerships for Innovative Research Ecosystem) program at the Japan Science and Technology Agency (JST) and has been a member of the Science Council of Japan. She has been the Vice President of the International Marine Biotechnology Association. Her research encompasses Environmental Science, Microbiology, Biotechnology, and Genome Technology, with current interests including the utilization of environmental bio/gene resources, metagenomic analysis, single-cell analysis, and the development of supporting technologies.