

Meet the Editors

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**WED
11
SEPTEMBER**

16:00-17:00

No Registration Required

1F Large Meeting Room
Hokkaido University School of
Medicine Centennial Hall

Zoom Available!

<https://zoom.us/j/97617889840?pwd=k9HR2qE0egPp3rR6NvyLcNg3cYVe50.1>

Meeting ID: 976 1788 9840 / Passcode: 739442



Lecture 1 "Environment, Pollution, and One Health"



Prof. Dr. Bryan W. Brooks

Editor-in-Chief, Environmental
Science and Technology Letters

Distinguished Professor, Environmental Science and Biomedical Studies
Director, Environmental Health Science Program
Department of Environmental Science, Baylor University



Abstract

We are currently observing unprecedented biodiversity losses and increases in non-communicable diseases, resulting from complex and interacting forcing factors, including global pollution. Global chemicals production continues to outpace implementation of technologies and environmental management systems aimed at mitigating the impacts of chemicals and waste and achieving sustainable remediation activities, especially in urban regions around the world.

These realities are challenging conventional environmental assessment and management strategies. For example, common protection goals in environmental risk assessments include public health, biodiversity and ecosystem services, but our future ability to meet these goals will rely on systems-based approaches where we leverage the genetics and informatics of species to better understand and manage the risks of global pollution.

We need to develop precision-based efforts that extend beyond traditional predictive tools. Advances in exposure science, exposomics, and comparative toxicology promise to accelerate development of precision approaches and associated interventions, including green and sustainable chemistry and engineering, to advance the science and improve the practice of environmental science and technology. Doing so further promises reciprocal benefits to the environment and public health, particularly by embracing One Health.

Lecture 2 "Introduction to Environmental Science Journal Portfolio"

Dr. Takanori Komatsu



Content Development Editor, ACS Publications (American Chemical Society)

Co-organizers:

Hokkaido University Faculty of Health Sciences,
Hokkaido University Center for Environmental and Health Sciences

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