## Overview of microplastics in different geo-environments

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| Opening remarks & General overview of microplastic pollution: issues and perspectives | Rui Chen, Ph. D., Thermo Fisher Scientific  
Chelsea Rochman, Ph. D., University of Toronto, Canada |
| Microplastics in Hawaiian marine environments: where and how do we find them | Jennifer Lynch, Ph. D.  
Hawaii Pacific University |
| Microplastics in the North Pacific Gyre                                  | Charles and Shelly Moore  
The Moore Institute for Plastic Pollution Research |
| The effects of micro and nanoplastics on biota in the aquatic environment: what we know about hazard and risk | Susanne Brander, Ph. D.  
Oregon State University |
| Atmospheric plastic deposition                                           | Janice Brahney, Ph. D.  
Utah State University |

## Analysis of microplastics in different sample matrices

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| Review Day 1 and California’s path towards assessing risks and developing regulations for microplastics in drinking water | Suja Sukumaran, Ph.D., Thermo Fisher Scientific  
Scott Coffin, Ph. D., California State Water Resources Control Board |
| Microplastics measurement interlaboratory calibration for drinking water | Charles Wong, Ph. D.  
Southern California Coastal Water Research Project |
| Great Shearwater: the microplastics within – A study on Great Shearwater microplastic ingestion in the Gulf of Maine | Ms. Christy Hudak  
Center for Coastal Studies |
| Distribution and bioavailability of anthropogenic microparticles in California's coastal ecosystems | Clare Steele, Ph. D.  
California State University Channel Islands |
| The 2020 Bianca nurdle spill in New Orleans and the use of FT-IR to identify putative nurdles from the incident | Mark C. Benfield, Ph. D.  
Louisiana State University |

## Challenges and solutions in microplastic research: from sample prep to library

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| Comparison of microplastic identification methods using FTIR-ATR, FTIR-transmission with mapping, and Raman spectroscopy for beach sediment samples | Wonjoon Shim, Ph. D.  
Korea Institute of Ocean Science and Technology, South Korea |
| FTIR and SEM analyses of microplastic chemistry, size, shape, and surfaces in various sample matrices | Jeff Wagner, Ph. D.  
California Department of Public Health |
| Microplastics in the Sierra Nevada: from peak to pipe                   | Monica Arienzo, Ph. D.  
Desert Research Institute |
| Open source Raman and IR spectroscopy, paving the future for artificial intelligence spectral analysis | Mr. Win Cowger  
University of California Riverside |
| Method standardization and technique development for FTIR and ATR-FTIR analyses in Belgian Research | Maaike Vercauteren, Ph. D.  
Ghent University |
| Closing and live panel discussion                                       | Moderator – Rui Chen  
Panelists: Suja Sukumaran, Chelsea Rochman, Clare Steele, Maaike Vercauteren, Monica Arienzo, Janice Brahney, Scott Coffin, Charles Wong, Win Cowger, Susanne Brander |