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Dr. Steven Hallam is an associate professor in the Department of Microbiology and Immunology and faculty member in the Bioinformatics and Genome Sciences and Technology training programs at the University of British Columbia. In 2006 he was appointed Canada Research Chair in Environmental Genomics. His background is in the field of microbial ecological genomics and genetics with specific emphasis on the creation of computational tools and workflows for taxonomic and functional binning, population genome assembly, and comparative community analysis. His current research interests include time-resolved community genomics and proteomics of expanding oxygen minimum zones and anaerobic methane oxidizing sediments, microbial community structure and function of terrestrial hydrocarbon reservoirs and passive mine remediation sites. Dr. Hallam employs a wide range of field and laboratory techniques, including ship-based and remote sample collection and processing, stable isotopic labeling, anaerobic cell culture, DNA, RNA and protein-based molecular microbiology, environmental genomic library construction and screening and mass spectrometry. He also has extensive experience with high performance computation and clustering methods and currently collaborates with PNNL staff scientists on the design and implementation of visual analytic tools for integrated environmental 'omic' analysis.