Potential list of oversea invitees of 2023 Conference of the International Center for Deep Life Investigation (ICDLI) & the 5th Anniversary Celebration of IC-DLI

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| **No** | **Name** | **Country of affiliation** | **Affiliation** | **Professional title** | **Research area** |
|  | Beth N. Orcutt | USA | Bigelow Laboratory for Ocean Sciences | Senior Research Scientist | Deep-sea microbial life and the impact of microbial activity on chemical cycles |
|  | Doug LaRowe | USA | University of Southern California | Associate Professor | Geobiology and Geochemistry. |
|  | Kasper Urup Kjeldsen | Denmark | Aarhus University | Associate Professor | Understanding the ecology and evolution of microorganisms inhabiting the seabed as well as engineered systems like oil reservoirs |
|  | Mitchell Sogin | USA | Marine Biological Laboratory, the University of Chicago | Professor | Evolution; Genomics; Microbiomes; Models of Human Disease |
|  | Bénédicte Ménez | France | Inst. de Physique du Globe de Paris / Université Paris Diderot | Professor | Deep biosphere, Geomicrobiology, Microimaging |
|  | Douglas Bartlett | USA | Scripps Inst. of Oceanography/UC San Diego | Professor | Deep-sea microbial diversity and ecology; Adaptations of deep-sea microbes to high pressure and low temperature; Microbial genetics, genomics, functional genomics |
|  | Rick Colwell | USA | Oregon State University | Professor | Microbial ecology, subsurface microbiology, geomicrobiology |
|  | Fumio Inagaki | Japan | JAMSTEC | Principal Senior Scientist | The Deep Subseafloor Biosphere |
|  | Steve D'Hondt | USA | University of Rhode Island | Professor | Marine sediment, deep beneath the seafloor |
|  | Jan Amend | USA | University of Southern California | Professor | Climate Science, Geobiology, Geochemistry |
|  | Jens Kallmeyer | Germany | GFZ Potsdam | Staff Scientist | Deep Biosphere; biogeochemistry of lacustrine sediments; lakes as carbon sinks; pore water geochemistry; direct turnover rate measurements with radiosotopes; microbial biomass quantification |
|  | Thomas Kieft | USA | New Mexico Tech | Professor | Ecology and biogeochemistry of microbes in extreme environments |
|  | Jizhong Zhou | USA | Oklahoma University | Professor | Microbiology, Molecular and Cellular Biology, Environmental Science, Ecology, Anaerobic Microbiology, Bioinformatics, Metagenomics |
|  | Bo Thamdrup | Denmark | University of Southern Denmark | Professor | Microbial ecology, biogeochemistry, early evolution |
|  | Donato Giovannelli | Italy | University of Naples | Professor | Comparative genomic, phylogenetic, geochemistry, environmental surveys and computational approaches to reconstruct geo-bio interactions |
|  | Elizabeth Trembath-Reichert | USA | Arizona State University | Assistant Professor | Water limitaton controls on life in rocky and sedimentary environments and the atmosphere; carbon and sulfur cycling in hydrothermal systems; water-rock-life interactions in the subsurface biosphere. |
|  | Hiroyuki Imachi | Japan | JAMSTEC | Principal Researcher | Microbial Ecology and Evolution; cultivation of fastidious but ecologically important uncultured microorganisms |
|  | Daoping He | Japan | Tokyo Institute of Technology | Research Scientist | Hydrothermal theory of origin of life; Proton-Coupled Electron Transfer; Abiotic Nitrogen Cycle |
|  | James Bradley | UK | University of London, Queen Mary | Senior Lecturer | Geobiology; biogeochemistry; carbon cycle; climate change; glaciology; deep subsurface. |
|  | Melody R. Lindsay | USA | Bigelow Laboratory for Ocean Sciences | Research Scientist | microbial activities occurring in subsurface environments |
|  | Nagissa Mahmoudi | Canada | McGill University | Assistant Professor | Geomicrobiology, Microbial Biogeochemistry, Carbon Cycling, Bioremediation |
|  | Rui Zhao | USA | Massachusetts Institute of Technology | Postdoctoral Fellow | Using lab enrichments (and hopefully isolates) to validate genomic predictions of several novel microbes and assess their contributions to the nitrogen loss in the marine ecosystem. |
|  | Tatsuhiko Hoshino | Japan | JAMSTEC | Senior Researcher | How the microbial flora in submarine sediments is formed and how individual microorganisms have evolved to adapt to their environment |
|  | Tobias Vonnahme | Denmark | Greenland Climate Research Centre | Post.doc | Pelagic, sea ice, and sediment biogeochemistry, microbial ecology, primary production, bacterial production, time series and biogeochemical modelling, microbial diversity, fjord- glacier interactions |
|  | Verena B. Heuer | Germany | MARUM/University of Bremen | Research Staff | Geoecology; the deep biosphere; biosphere - geosphere interactions; stable isotope chemistry of organic metabolites; scientific ocean drilling |
|  | Yige Zhang | USA | Texa A&M University | Associate Professor | Paleoceanography and Paleoclimatology; Geochemistry; Geomicrobiology and Biogeochemistry |
|  | Harold J. Bradbury | UK | University of British Columbia | Assistant Professor | Improve our understanding of marine sedimentary environments through the combined use of isotope geochemistry and numerical modelling |
|  | Julio Castillo | South Africa | University of the Free State | Senior Researcher | Bio-remediation, Bio-recovery, Nanoparticles, Microbial-metal interactions, Community structure and function of biofilms and Bioaccumulation of metals |
|  | William J. Brazelton | USA | University of Utah | Research Associate Professor | Natural microbial communities in a variety of environments |
|  | Zhiyong Lin | Germany | University of Hamburg | Scientist | Sulfur biogeochemical cycling in modern marine sediments; Stable isotope geochemistry (sulfur, iron, molybdenum) in sedimentary environments; Mineral diagenesis at methane seeps/methane-rich sediments; Trace metal cycling in sediments and their incorporation in authigenic minerals |
|  | Jianlin Liao | Germany | Constructor University | Post.doc |  |
|  | Antje Boetius | Germany | Max Planck Institute for Marine Microbiology | Group leader | Microbial Ecology of the Deep Sea; Marine Methane Cycle; Gas Hydrates and Cold Seeps; Geomicrobiology; Global Carbon Cycle |
|  | Alexander Probst | Germany | University of Duisburg-Essen | Associate Professor | Shallow and deep terrestrial subsurface biosphere; Bio(geo)chemical cycling in freshwater ecosystems and sediments; Microbial evolution, diversity, and dispersal |
|  | Andreas Teske | USA | University of North Carolina, Chapel Hill | Professor | Microbial Systematics and Evolution  Microbial Ecology; Microbiology of Hydrothermal Vents and the Marine Subsurface; The Microbial Sulfur Cycle |
|  | Brandi Reese | USA | University of South Alabama | Associate Professor | Microbial ecology; Geomicrobiology; Astrobiology; Understanding microbial communities through systems biology |
|  | Casey Hubert | Canada | University of Calgary | Associate Professor | Marine and deep biosphere microbiology include oil spill bioremediation, biogeography for offshore oil exploration, subsurface biogeochemistry, and oil reservoir souring control |
|  | Clemens Glombitza | Germany | NASA Ames Research Center | NASA Postdoctoral Program Senior Fellow | Microbial activity and their substrate and energy turnover in the deep subsurface |
|  | Cody Sheik | USA | University of Minnesota Duluth | Associate Professor | Microbe-water-rock interactions; Freshwater microbial element cycling |
|  | Colin Murrell | UK | University of East Anglia | Professor | the microbiology of atmospheric trace gases and the metabolism of one carbon compounds in the terrestrial, aquatic and marine environment |
|  | Emil Ruff | USA | Marine Biological Laboratory, Woods Hole | Assistant Scientist | Ecology; Ecosystems; Genomics; Microbiomes |
|  | Emily Estes | USA | Texas A&M University | Staff Scientist | Sediment organic geochemistry and geomicrobiology; microbial mediation of authigenic mineral formation and mineral transformations; mineral-organic interactions and organic carbon preservation; hydrothermal vent chemistry; fate and transport of environmental nanoparticles; |
|  | Esta Van Heerden | South Africa | iWater Pty Ltd formerly University of Free State | CEO & Lead Environmental Scientist | Extremophiles, subsurface biogeochemistry, metal-microbe interactions and bioremediation |
|  | Emma Bell | UK | KTH Royal Institute of Technology | Post.doc | Microbe-phage interactions in the Baltic Sea using meta-omic approaches. |
|  | Gunter Wegener | Germany | Max Planck Institute for Marine Microbiology | Scientist | Diversity and functioning of anaerobic methane- and hydrocarbon-degrading microorganisms, in particular Archaea; Syntrophic interactions in subsurface microorganisms; Biogeochemistry of alkane degradation; Isotope systematics of methane in marine sediments |
|  | Gordon Southam | Australia | The University of Queensland | Professor | Life in Extreme Environments / Bacterial Fossilisation; Bioleaching; Canga; Gold; Mineral Carbonation; Methanogenesis |
|  | Ileana Pérez-Rodríguez | USA | University of Pennsylvania | Assistant Professor | Biogeochemistry and Global Environmental Change; Paleobiology/Geobiology |
|  | Jennifer Biddle | USA | University of Delaware | Professor | Microbial ecology of marine systems; deep biosphere life; benthic archaea and bacteria; geobiology |
|  | Joshua Ladau | USA | Lawrence Berkeley National Laboratory | Project Scientist | Microbial Ecology, Metagenomics, Macroecology, Biogeography, Community Ecology, Theoretical Ecology, Statistics, Geometric Probability, Computational Biology |
|  | Julie Huber | USA | Woods Hole Oceanographic Institution | Senior Scientist | Marine microbiology; Hydrothermal vents; Ocean Worlds; Ocean Carbon Dioxide Removal Strategies; Diversity, Equity, & Inclusion in STEM; Science Communication & Storytelling |
|  | Jillian M. Petersen | Austria | University of Vienna | Associate Professor | Microbial symbioses, particularly between marine invertebrate animals and; chemosynthetic bacteria; Genomic and molecular basis of host-microbe interactions; Ecology, evolution and development of marine symbioses; In situ imaging of microbial identity and activity |
|  | Ken Takai | Japan | JAMSTEC | Program Director | the physiology and ecology of microorganisms and organisms that live in extreme conditions on Earth, such as the deep sea or the crust interior, as well as explaining the formation and structure of their ecosystems |
|  | Kirsten Küsel | Germany | Friedrich Schiller University Jena | Professor | Aquatic Geomicrobiology looks at reactions catalyzed by microbes (from genomes to biogeochemistry) and their effect on aquatic environments. |
|  | Katrina I. Twing | USA | University of Utah | Postdoctoral Fellow | Diversity, metabolic potential, and activity of microorganisms living with the serpentinite environment using 'omics methods |
|  | Kelly Wrighton | USA | Colorado State University | Assistant Professor | Metabolic potential in both individual microorganisms and microbial communities |
|  | Kira Homola | USA | University of California, Los Angeles | postdoctoral researcher | Biogeochemical Oceanographer |
|  | Mohamed Jebbar | France | University of Western Brittany Brest | Professor | Microbial ecology, marine ecology, ecophysiology of prokaryotes from deep ocean hydrothermal vents, environmental (meta)genomics |
|  | Malin Bomberg | Finland | VTT Technical Research Institute of Finland | Senior Scientist | Geomicrobiology |
|  | Marshall Bowles | USA | Tulane University | Adjunct Professor | Biogeochemistry, Microbial Ecology, Geomicrobiology, Molecular Microbiology and Marine Deep Subsurface Biosphere |
|  | Matthew Owen Schrenk | USA | Michigan State University | Associate Professor | Geomicrobiology, Biogeochemistry, Environmental Geoscience |
|  | Michael Graw | USA | University of Delaware |  |  |
|  | Olivia Nigro | USA | University of Hawaii | Assistant Professor | Interactions between microbes and the environment and viruses and their microbial hosts |
|  | Orit Sivan | Israel | Ben Gurion University | Professor | Global warming, greenhouse gasses, carbon cycle, water crisis, coastal aquifers, biogeochemistry, chemical oceanography |
|  | Peiyuan Qian | China | The Hong Kong University of Science and Technology | Professor | Omics of deep-sea marine invertebrates; Marine molecular ecology; Marine nature products (genome mining-based) |
|  | Phil Hugenholtz | Australia | The University of Queensland | Affiliate Professor | Biotechnology discipline; Microbiology discipline; Molecular genetics and genomics theme |
|  | Paula Mouser | USA | University of New Hampshire | Associate Professor | Environmental Bioprocesses |
|  | Qusheng Jin | USA | University of Oregon | Professor | Contaminant remediation, geochemical and biogeochemical modeling |
|  | Roland Winter | Germany | TU Dortmund University | Professor | (Biophysical Chemistry / Biophysics) Membrane Biophysics |
|  | Sasha Turchyn | UK | University of Cambridge | Professor | how the chemistry of the ocean has evolved over various timescales over Earth history |
|  | Sarah Coffinet | France | University of Rennes 1 |  | Organic carbon cycle in continental wetland soils |
|  | Steffen Leth Jørgensen | Denmark | University of Bergen | Associate Professor | Deep biosphere; Microbial ecology; Uncultured Archaea; geomicrobial processes |
|  | Susan Lang | USA | University of South Carolina | Associate Professor | Chemical Oceanography |
|  | Sophie Nixon | UK | The University of Manchester | Research Fellow | diversity, function and adaptation of microbial life in the deep terrestrial habitats, spanning pristine and engineered subsurface environments on Earth, and the potential for life on other planetary bodies |
|  | William Ghiorse | USA | Cornell University | Professor | geomicrobiology and biogeochemistry of Mn-oxidizing bacteria; pioneering research on deep subsurface and groundwater microbiology and, more recently on the survival and fate of Cryptosporidium parvum in the NYC watershed. |