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|  | **Author** | **Abstract Title** |
| 1 | **ROUX**, Simon (Short Talk)srouz@lbl.gov *Doe Joint Genome Institute* | Exploring viral dark matter through time-series metagenomes: the case of virophages |
| 2 | **MUTALIK**, Vivek (Short Talk)vkmutalik@lbl.gov*Berkeley Lab* | Multiplex characterization of microbial traits using dual barcoded genome fragment expression library in diverse bacteria |
| 3 | **PEURA**, Sari (Short Talk)sari.peura@slu.se*Swedish University of Agricultural Sciences* | Functional phylogeny of superphylum Parcubacteria |
| 4 | **BECRAFT**, Eric ebecraft@gmail.com*Bigelow Laboratory* | Solagigasbacteria: Lone genomic giants among the uncultured bacterial phyla |
| 5 | **JE ALVES**, Ricardo ricardo.alves@univie.ac.at*Archaea Biology and Ecogenomics Division, Department of Ecogenomics and Systems Biology, University of Vienna, Austria* | Unifying the Phylogeny, Environmental Distribution and Molecular Diversity of Archaeal Ammonia Monooxygenases |
| 6 | **PODAR**, Mircea (Short Talk)podarm@ornl.gov*Oak Ridge National Lab* | From genomes to cultures: Global diversity, evolution and cultivation of Nanoarchaeota symbiotic systems |
| 7 | **JOSHI**, Snehal joshiss@ornl.gov*Oak Ridge National Lab* | The dark matter of the oral microbiota: diversity, genomics and evolution of SR1, GNO2 and TM7 oral bacteria in health and disease |
| 8 | **TIAN**, Long longtian@vt.edu*Virginia Tech* | LINbase â€“ a Web portal for a new approach to bacterial taxonomy based on genome similarity |
| 9 | **BALMONTE**, John Paul balmonte@unc.edu*UNC Chapel Hill* | Structure-function changes driven by phylogenetically-related rare bacterial taxa from distinct water masses in response to high molecular weight organic matter |
| 10 | **MEDINA**, Monica mum55@psu.edu*Penn State University* | Coral holobiont members will respond differently to climate change |
| 11 | **OHLSSON**, Ingemar johlsson@niu.edu*Northern Illinois University* | Genomic Analysis of a Hyperalkaliphilic Bacterium in an Anthropogenic Serpentinizing Spring Analogue |
| 12 | **VORISKOVA**, Jana jvoriskova@lbl.gov*Berkeley Lab* | Seasonal variation of benthic bacterial communities in a mountainous river |
| 13 | **SWINGLEY**, Wesley wswingley@niu.edu*Northern Illinois University* | Characterization of dark matter bacteria from the calumet wetlands, an extreme alkaline site and analogue for serpentinizing systems |
| 14 | **NARROWE**, Adrienne Adrienne.narrowe@ucdenver.edu*University of Colorado Denver* | Targeted exploration of archaeal genomic, phylogenetic, and spatial diversity in freshwater wetland soils |
| 15 | **CHADWICK**, Grayson chadwick@caltech.edu*Caltech* | Predicting the function of novel of complex I homologs from poorly studied and uncultured organisms: hints from primary sequences, crystal structures and phylogenies |
| 16 | **RAUB**, Sonja scraub@gmail.com*Monash University* | The Microbes in Tropical Peat from Loagan Bunut Peat Swamp in Borneo |
| 17 | **SHEREMET**, Andriy andriy.sheremet@ucalgary.ca*University of Calgary* | Single-cell, metagenomic and cultivation based strategies for reconstructing genomes of WPS-2 species |
| 18 | **SHEREMET**, Andriy andriy.sheremet@ucalgary.ca*University of Calgary* | Single-cell, metagenomic and cultivation based strategies for characterizing the candidate phylum WPS-2 |
| 19 | **RUHL, Ilona A.** ruhl.iliona@gmail.com*University of Calgary* | Genome Assembly and Metabolism of Candidate Phylum GAL08 |
| 20 | **KIVENSON**, Veronikavkivenson@gmail.com*UC Santa Barbara* | Microbial Ecology of a Deep Ocean DDT Dump Site |
| 21 | **BROWN**, Juliajulia@bigelow.org*Bigelow Laboratory for Ocean Sciences* | Genomics of individual cells and viruses revamped: Enhanced gDNA amplification and direct, high throughput matching of genomic and physical properties |
| 22 | **JUNGBLUTH**, Seansjungbluth@lbl.gov*DOE Joint Genome Institute* | Diversity and functional potential of microbial dark matter in the marine and terrestrial deep subsurface aquifers |
| 23 | **MOSER**, Duane, **SACKETT**, Joshua, **KRUGER**, Brittany Duane.Moser@dri.edu Joshua.Sackett@dri.edu *Desert Research Institute* | The Death Valley Regional Flow System: A Fault-Controlled Oasis for Deep Life Beneath the Mojave Desert  |
| 24 | **AHRENDT**, Stevensahrendt0@lbl.gov *DOE Joint Genome Institute* | Exploring Dark Matter Fungi Using Single-Cell Genomics |