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512 Liberty Lane, West Kingston, RI 02892

Phone: 401 783-4011 Fax: 401 783-7644

E-Mail: grc@grc.org

World Wide Web: <http://www.grc.org>

Nancy Ryan Gray, Ph.D.

Director

**2009 GORDON RESEARCH CONFERENCE
on APPLIED AND ENVIRONMENTAL MICROBIOLOGY**

FINAL PROGRESS REPORT

DEPARTMENT OF ENERGY
GRANT NO. DE-SC000711

The Gordon Research Conference on APPLIED AND ENVIRONMENTAL MICROBIOLOGY was held at Mount Holyoke College, South Hadley, Massachusetts, July 12-17, 2009. The Conference was well-attended with 160 participants (attendees list attached). The attendees represented the spectrum of endeavor in this field coming from academia, industry, and government laboratories, both U.S. and foreign scientists, senior researchers, young investigators, and students. Of the 160 attendees, 54 voluntarily responded to a general inquiry regarding ethnicity which appears on our registration forms. Of the 54 respondents, 11% were Minorities – 4% Hispanic & 7% Asian. Approximately 40% of the participants at the 2009 meeting were women.

In designing the formal speakers program, emphasis was placed on current unpublished research and discussion of the future target areas in this field. There was a conscious effort to stimulate lively discussion about the key issues in the field today. Time for formal presentations was limited in the interest of group discussions. In order that more scientists could communicate their most recent results, poster presentation time was scheduled. Attached is a copy of the formal schedule and speaker program and the poster program. In addition to these formal interactions, "free time" was scheduled to allow informal discussions. Such discussions are fostering new collaborations and joint efforts in the field.

Thank you for your support of this Conference. As you know, in the interest of promoting the presentation of unpublished and frontier-breaking research, Gordon Research Conferences does not permit publication of meeting proceedings. If you wish any further details, please feel free to contact me. Thank you.

Sincerely,

Nicole Dubilier, PI & Conference Chairperson

MAX PLANCK INSTITUTE FOR MARINE MICROBIOLOGY

APPLIED AND ENVIRONMENTAL MICROBIOLOGY

July 12-17, 2009
Mount Holyoke College
South Hadley, MA

Chair:

Nicole Dubilier

Vice Chair:

Max M. Haggblom

The topic of the 2009 Gordon Conference on Applied and Environmental Microbiology is: From Single Cells to the Environment. The Conference will present and discuss cutting-edge research on applied and environmental microbiology with a focus on understanding interactions between microorganisms and the environment at levels ranging from single cells to complex communities. The Conference will feature a wide range of topics such as single cell techniques (including genomics, imaging, and NanoSIMS), microbial diversity at scales ranging from clonal to global, environmental "meta-omics", biodegradation and bioremediation, metal - microbe interactions, animal microbiomes and symbioses. The Conference will bring together investigators who are at the forefront of their field, and will provide opportunities for junior scientists and graduate students to present their work in poster format and exchange ideas with leaders in the field. Some poster presenters will be selected for short talks. The collegial atmosphere of this Conference, with extensive discussion sessions as well as opportunities for informal gatherings in the afternoons and evenings, provides an ideal setting for scientists from different disciplines to exchange ideas, brainstorm and discuss cross-disciplinary collaborations.

SUNDAY

2:00 pm - 9:00 pm	Arrival and Check-in (Office Closed 6:00 pm - 7:00 pm)
6:00 pm	Dinner
7:30 pm - 7:40 pm	Welcome / Introductory Comments by GRC Site Staff
7:40 pm - 9:15 pm	From Single Cells to the Environment Discussion Leader: Victoria Orphan (California Institute of Technology, USA)
7:40 pm - 8:10 pm	Victoria Orphan (California Institute of Technology, USA) "Introduction to the Meeting: What Single Cells Can Tell Us about the Environment and Vice Versa"
8:10 pm - 8:20 pm	Discussion
8:20 pm - 9:00 pm	Keynote Lecture: Kenneth Nealson (University of Southern California, USA) "New Vistas in Extracellular Electron Transport -- Things Our Mentors Never Told Us"
9:00 pm - 9:15 pm	Discussion

MONDAY

7:30 am - 8:30 am	Breakfast
8:45 am	Group Photo
9:00 am - 12:30 pm	Single Cell Imaging
	Discussion Leader: Martin Keller (Oak Ridge National Laboratory, USA)
9:00 am - 9:15 am	Martin Keller (Oak Ridge National Laboratory, USA) "Introduction to the Session"
9:15 am - 9:45 am	Michael Wagner (University of Vienna, Austria) "Obligate Endosymbionts Go Astray: Extracellular Activity of Environmental Chlamydiae Revealed by Single Cell Raman Spectroscopy"
9:45 am - 10:00 am	Discussion
10:00 am	Coffee Break
10:30 am - 10:50 am	Sean A. Crowe (Nordic Center for Earth Evolution, Denmark) "Novel Deepwater Phototrophs from a Ferruginous Chemocline"
10:50 am - 11:00 am	Discussion
11:00 am - 11:30 am	Marcel Kuypers (Max Planck Institute for Marine Microbiology, Germany) "A Single Cell NanoSIMS View of the Ecophysiology of Uncultured Pelagic Microorganisms"
11:30 am - 11:45 am	Discussion
11:45 am - 12:15 pm	Mark Ellisman (UC San Diego, USA) "Assembling 3-D Maps of Cells as a Framework for Community Annotation"
12:15 pm - 12:30 pm	Discussion
12:30 pm	Lunch
1:30 pm - 4:00 pm	Free Time
4:00 pm - 6:00 pm	Poster Session
6:00 pm	Dinner
7:30 pm - 9:30 pm	Single Cell Genomics
	Discussion Leader: Roger Lasken (J. Craig Venter Institute, USA)
7:30 pm - 7:45 pm	Roger Lasken (J. Craig Venter Institute, USA) "Introduction to the Session"
7:45 pm - 8:15 pm	Tanja Woyke (Joint Genome Institute, USA) "What to Expect from Single Cell Genome Sequence Data"
8:15 pm - 8:25 pm	Discussion
8:25 pm - 8:40 pm	Michael C. Konopka (University of Washington, Seattle, USA) "Respiration Response Imaging on Environmental Samples"
8:40 pm - 8:50 pm	Discussion
8:50 pm - 9:20 pm	Paul Blainey (Stanford University, USA) "Lasers and Microfluidics for Single-Cell Genomics"

9:20 pm - 9:30 pm Discussion

TUESDAY

7:30 am - 8:30 am Breakfast

9:00 am - 12:30 pm **From Clonal to Global Diversity**

Discussion Leader: **Harold Drake** (University of Bayreuth, Germany)

9:00 am - 9:15 am **Harold Drake** (University of Bayreuth, Germany)
"Introduction to the Session"

9:15 am - 9:45 am **William Hanage** (Imperial College London, England)
"Clonal Diversity, its Causes and Consequences"

9:45 am - 10:00 am Discussion

10:00 am Coffee Break

10:30 am - 10:50 am **John D. O'Brien** (University of Bristol, UK)
"The Lineage Model of Metagenomic Population Structure"

10:50 am - 11:00 am Discussion

11:00 am - 11:30 am **Martin Polz** (Massachusetts Institute of Technology, USA)
"The Genetics of Environmental Adaptation"

11:30 am - 11:45 am Discussion

11:45 am - 12:15 pm **Alban Ramette** (Alfred Wegener Institute for Polar and Marine Research /
Max Planck Institute for Marine Microbiology, Germany)
"Microbial diversity in its complex environmental context: Are we ready to
tackle the giant?"

12:15 pm - 12:30 pm Discussion

12:30 pm Lunch

1:30 pm - 4:00 pm Free Time

4:00 pm - 6:00 pm Poster Session

6:00 pm Dinner

7:30 pm - 9:30 pm **Biodegradation and Bioremediation**

Discussion Leader: **Carl Cerniglia** (Food and Drug Administration, USA)

7:30 pm - 7:45 pm **Carl Cerniglia** (Food and Drug Administration, USA)
"Introduction to the Session"

7:45 pm - 8:15 pm **Hauke Harms** (Helmholtz-Centre for Environmental Research, Germany)
"Surfing the Fungal Web"

8:15 pm - 8:25 pm Discussion

8:25 pm - 8:40 pm **Tillmann Lueders** (Institute of Groundwater Ecology, Germany)
"Next Generation rRNA-SIP - Novel Mass Spectrometry-Based Strategies
to Unravel Structure Function Relationships in Microbial Communities"

8:40 pm - 8:50 pm Discussion

8:50 pm - 9:20 pm **Frank Loeffler** (Georgia Institute of Technology, USA)
"Towards Environmental Systems Biology of *Dehalococcoides* for

	Enhanced Bioremediation"
9:20 pm - 9:30 pm	Discussion
WEDNESDAY	
7:30 am - 8:30 am	Breakfast
9:00 am - 12:30 pm	Symbiosis
	Discussion Leader: Claudia Lupp (Nature, London)
9:00 am - 9:15 am	Claudia Lupp (Nature, London) "Introduction to the Session"
9:15 am - 9:45 am	Martin Ackermann (ETH Zürich and EAWAG, Switzerland) "Division of Labor in Bacterial Populations"
9:45 am - 10:00 am	Discussion
10:00 am	Coffee Break
10:30 am - 10:50 am	Rebecca Case (Harvard Medical School, USA) "The role of secondary metabolites in mediating bacterial-algal interactions"
10:50 am - 11:00 am	Discussion
11:00 am - 11:30 am	Julia Vorholt (ETH Zürich, Switzerland) "Comparative community proteogenomics of phyllosphere microbiota"
11:30 am - 11:45 am	Discussion
11:45 am - 12:15 pm	Edward Ruby (University of Wisconsin, USA) "Deciphering the Conversation between a Symbiont and its Host"
12:15 pm - 12:30 pm	Discussion
12:30 pm	Lunch
1:30 pm - 4:00 pm	Free Time
4:00 pm - 6:00 pm	Poster Session
6:00 pm	Dinner
7:00 pm - 7:30 pm	<u>Business Meeting</u> (Nominations for the next Vice Chair; Fill out Conference Evaluation Forms; Discuss future Site & Scheduling preferences; Election of the next Vice Chair)
7:30 pm - 9:30 pm	The Human Microbiota
	Discussion Leader: Janet Jansson (Lawrence Berkley National Laboratory, USA)
7:30 pm - 7:45 pm	Janet Jansson (Lawrence Berkley National Laboratory, USA) "Introduction to the Session"
7:45 pm - 8:15 pm	Justin Sonnenburg (Stanford University, USA) "Peering through tiny windows: Genome-wide investigations of gut symbionts in vivo to gain insight into microbiota function"
8:15 pm - 8:25 pm	Discussion

8:25 pm - 8:40 pm	Amber L. Hartman (Johns Hopkins University and UC Davis, USA) "Human Gut Microbiome Adopts an Alternative State Following Small Bowel Transplantation"
8:40 pm - 8:50 pm	Discussion
8:50 pm - 9:20 pm	Joel Doré (National Institute for Agricultural Research (INRA, Jouy) France) "Human Intestinal Microbiomics in Health and Disease - towards Metagenomic Markers of Dysbiosis"
9:20 pm - 9:30 pm	Discussion

THURSDAY

7:30 am - 8:30 am	Breakfast
9:00 am - 12:30 pm	Meta'omics' Discussion Leader: Gerard Muyzer (Delft University of Technology, Holland)
9:00 am - 9:15 am	Gerard Muyzer (Delft University of Technology, Holland) "Meta'omics': The End of Microbiology?"
9:15 am - 9:45 am	Gregory Dick (University of Michigan, USA) "Community-Wide Analysis of Genome Signatures in Acid Mine Drainage"
9:45 am - 10:00 am	Discussion
10:00 am	Coffee Break
10:30 am - 10:50 am	Tara A. Gianoulis (Yale University, USA) "Quantifying Environmental Adaptation of Metabolic Pathways in Metagenomics"
10:50 am - 11:00 am	Discussion
11:00 am - 11:30 am	Gene Tyson (Massachusetts Institute of Technology, USA) "Measuring Microbial Gene Expression in the Ocean Using Metatranscriptomics"
11:30 am - 11:45 am	Discussion
11:45 am - 12:15 pm	Robert Hettich (Oak Ridge National Laboratory, USA) "A Proteogenomic Approach for Characterizing the Molecular Activities of Gut Microbiomes"
12:15 pm - 12:30 pm	Discussion
12:30 pm	Lunch
1:30 pm - 4:00 pm	Free Time
4:00 pm - 6:00 pm	Poster Session
6:00 pm	Dinner
7:30 pm - 9:30 pm	From Single Cells to the Environment and Back Again Discussion Leader: Alexis S. Templeton (University of Colorado)

7:30 pm - 8:00 pm	David Emerson (Bigelow Laboratory for Ocean Sciences, USA) "Introduction to the Session"
8:00 pm - 8:15 pm	Discussion
8:15 pm - 9:00 pm	Keynote Lecture: Brad Tebo (Oregon Health and Science University, USA) "Metals and Microbes"
9:00 pm - 9:15 pm	Discussion

FRIDAY

7:30 am - 8:30 am	Breakfast
9:00 am	Departure

Applied & Environmental Microbiology (2009)

Name	Organization	Participation	Status
ACKERMANN, MARTIN	ETH ZURICH	Poster Presenter	Registered
ALLERS, ELKE	UNIVERSITY OF ARIZONA	Attendee	Registered
ALONSO, CECILIA	INSTITUTO DE INVESTIGACIONES BIOLOGICAS	Poster Presenter	Registered
BACOSA, HERNANDO P	TOHOKU UNIVERSITY	Poster Presenter	Registered
BADGER, JONATHAN H	J. CRAIG VENTER INSTITUTE	Poster Presenter	Registered
BECRAFT, ERIC D	MONTANA STATE UNIVERSITY	Poster Presenter	Registered
BERGIN, CLAUDIA	MAX PLANCK INSTITUTE FOR MARINE MICROBIOLOGY	Poster Presenter	Registered
BHARTIA, ROHIT	JPL/USC	Poster Presenter	Registered
BIGOSCH, COLETTE	EAWAG DUEBENDORF	Poster Presenter	Registered
BLAINEY, PAUL C	STANFORD UNIVERSITY	Speaker	Registered
BORDENAVE, SYLVAIN	UNIVERSITY OF CALGARY	Poster Presenter	Registered
BOUCHER, YAN	MASSACHUETTS INSTITUTE OF TECHNOLOGY	Poster Presenter	Registered
BRUCKNER, CHRISTIAN G	LEIBNIZ INSTITUTE FOR BALTIC SEA RESEARCH	Poster Presenter	Registered
BUCHHOLZ, WALLACE G	ARMY RESEARCH OFFICE	Attendee	Registered
BURKE, GAELAN R	UNIVERSITY OF ARIZONA	Poster Presenter	Registered
CARY, CRAIG S	UNIVERSITY OF DELAWARE	Poster Presenter	Registered
CASE, REBECCA J	HARVARD UNIVERSITY CENTER FOR THE ENVIRONMENT	Poster Presenter	Registered
CERNIGLIA, CARL E	US FOOD AND DRUG ADMINISTRATION	Discussion Leader	Registered
CHRISEY, LINDA A	OFFICE OF NAVAL RESEARCH	Attendee	Registered
CROWE, SEAN A	NORDIC CENTER FOR EARTH EVOLUTION	Poster Presenter	Registered
CUNLIFFE, MICHAEL	UNIVERSITY OF WARWICK	Poster Presenter	Registered
DAVIS, RICHARD E	OREGON HEALTH & SCIENCE UNIVERSITY	Poster Presenter	Registered
DENEF, VINCENT	UNIVERSITY OF CALIFORNIA, BERKELEY	Poster Presenter	Registered
DESAI, MAHESH S.	MAX PLANCK INSTITUTE FOR TERRESTRIAL MICROBIOLOGY	Poster Presenter	Registered
DEVINE, CHERYL E	UNIVERSITY OF TORONTO	Poster Presenter	Registered
DICK, GREGORY J	UNIVERSITY OF MICHIGAN	Speaker	Registered
DICK, JEFFREY M	ARIZONA STATE UNIVERSITY	Poster Presenter	Registered
DILL, BRIAN D	OAK RIDGE NATIONAL LABORATORY	Poster Presenter	Registered
DORE, JOEL	NATIONAL INSTITUTE FOR AGRICULTURAL RESEARCH	Speaker	Registered
DRAKE, HAROLD L	UNIVERSITY OF BAYREUTH	Discussion Leader	Registered
DUBILIER, NICOLE	MAX-PLANCK-INSTITUTE FOR MARINE MICROBIOLOGY	Chair	Registered
DUHAIME, MELISSA B	MAX PLANCK INSTITUTE FOR MARINE MICROBIOLOGY	Poster Presenter	Registered
DUONG, VIEN M	RUTGERS UNIVERSITY	Poster Presenter	Registered
ELDER, ELISABETH D	LOUISIANA STATE UNIVERSITY AT ALEXANDRIA	Poster Presenter	Registered
ELLISMAN, MARK	UNIVERSITY OF CALIFORNIA, SAN DIEGO	Speaker	Registered
EMERSON, DAVID	BIGELOW LABORATORY FOR OCEAN SCIENCES	Poster Presenter	Registered
EVELEIGH, DOUGLAS	RUTGERS UNIVERSITY	Attendee	Registered
FODOR, ANTHONY A	UNIVERSITY OF NORTH CAROLINA - CHARLOTTE	Poster Presenter	Registered
FOGHT, JULIA	UNIVERSITY OF ALBERTA	Attendee	Registered
GARRIDO, SHARON MARIE B.	TOHOKU UNIVERSITY	Poster Presenter	Registered
GESZVAIN, KATI M	OREGON HEALTH & SCIENCE UNIVERSITY	Poster Presenter	Registered
GIANOULIS, TARA A	YALE UNIVERSITY	Poster Presenter	Registered
GILLOR, OSNAT	BEN GURION UNIVERSITY	Poster Presenter	Registered
GOFFREDI, SHANA	OCCIDENTAL COLLEGE	Poster Presenter	Registered
GRABER, JOSEPH R	U.S. DEPARTMENT OF ENERGY	Attendee	Registered

GRUENKE, STEFANIE	MAX PLANCK INSTITUTE FOR MARINE MICROBIOLOGY	Poster Presenter	Registered
HADAR, YITZHAK	HEBREW UNIVERSITY	Poster Presenter	Registered
HAGGBLOM, MAX M	RUTGERS UNIVERSITY	Vice Chair	Registered
HANAGE, WILLIAM P	IMPERIAL COLLEGE LONDON	Speaker	Registered
HARMS, HAUKE	UFZ CENTRE FOR ENVIRONMENTAL RESEARCH	Speaker	Registered
HARTMAN, AMBER L	JOHNS HOPKINS UNIVERSITY	Poster Presenter	Registered
HAYGOOD, MARGO	OREGON HEALTH & SCIENCES UNIVERSITY	Attendee	Registered
HEHEMANN, JAN-HENDRIK	CNRS	Poster Presenter	Registered
HETTICH, ROBERT	OAK RIDGE NATIONAL LABORATORY	Speaker	Registered
HEYWOOD, JANE L	BIGELOW LABORATORY FOR OCEAN SCIENCES	Poster Presenter	Registered
HOSHINO, TATSUHIKO	AARHUS UNIVERSITY	Poster Presenter	Registered
HUDSON, BERNARD J	UNIVERSITY OF SYDNEY	Attendee	Registered
INAGAKI, FUMIO	JAMSTEC	Poster Presenter	Registered
ITAVAARA, MERJA	VTT BIOTECHNOLOGY	Poster Presenter	Registered
JANSSON, JANET	LAWRENCE BERKLEY NATIONAL LABORATORY	Discussion Leader	Registered
JEON, CHE OK	CHUNG-ANG UNIVERSITY	Poster Presenter	Registered
JERMY, ANDREW J	NATURE REVIEWS MICROBIOLOGY	Attendee	Registered
KALYUZHNAJA, MARINA G	UNIVERSITY OF WASHINGTON	Poster Presenter	Registered
KELLER, MARTIN	OAK RIDGE NATIONAL LABORATORY	Discussion Leader	Registered
KENNEDY, SUZANNE J	MO BIO LABORATORIES	Attendee	Registered
KIEFER, LYNDAA A	BLUEWAVE MICROBICS, LLC	Attendee	Registered
KIM, JONG N	UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN	Poster Presenter	Registered
KLASSEN, JONATHAN L	UNIVERISTY OF ALBERTA	Poster Presenter	Registered
KLEINDIENST, SARA	MAX PLANCK INSTITUTE FOR MARINE MICROBIOLOGY	Poster Presenter	Registered
KLEINER, MANUEL	MAX-PLANCK-INSTITUTE FOR MARINE MICROBIOLOGY	Poster Presenter	Registered
KONOPKA, MICHAEL C	UNIVERSITY OF WASHINGTON	Poster Presenter	Registered
KRUGER, RICARDO H	UNIVERSIDADE DE BRASILIA - UNB	Poster Presenter	Registered
KUBO, KYOKO	MAX PLANCK INSTITUTE FOR MARINE MICROBIOLOGY	Poster Presenter	Registered
KUENEN, J. GIJS	DELFT UNIVERSITY OF TECHNOLOGY	Attendee	Registered
KUESEL, KIRSTEN	UNIVERSITY JENA	Poster Presenter	Registered
KUSHMARO, ARIEL	BEN-GURION UNIVERSITY	Poster Presenter	Registered
KUYPERS, MARCEL	MAX PLANCK INSTITUTE FOR MARINE MICROBIOLOGY	Speaker	Registered
LASKEN, ROGER	INSTITUTE FOR GENOMIC RESEARCH	Discussion Leader	Registered
LEE, NATUSCHKA M.	TECH UNIV MUNICH	Poster Presenter	Registered
LEMON, KATHERINE P	CHILDREN'S HOSPITAL BOSTON	Poster Presenter	Registered
LEVINE, SAMUEL R	UNIVERSITY OF WASHINGTON	Poster Presenter	Registered
LOEFFLER, FRANK E	GEORGIA INSTITUTE OF TECHNOLOGY	Speaker	Registered
LOPEZ-LOZANO, NGUYEN E.	UNIVERSIDAD NACIONAL AUTONOMA DE MEXICO	Poster Presenter	Registered
LUEDERS, TILLMANN	HELMHOLTZ CENTER MUNICH	Poster Presenter	Registered
LUPP, CLAUDIA	NATURE PUBLISHING GROUP	Discussion Leader	Registered
MARESCA, JULIA A	MIT	Poster Presenter	Registered
MARTINSON, VINCENT G	UNIVERSITY OF ARIZONA	Poster Presenter	Registered
MECKENSTOCK, RAINER U	HELMHOLTZ ZENTRUM MUNCHEN	Poster Presenter	Registered
MIKKELSEN, DEIRDRE	UNIVERSITY OF QUEENSLAND	Poster Presenter	Registered
MILUCKA, JANA	MAX PLANCK INSTITUTE FOR MARINE MICROBIOLOGY	Poster Presenter	Registered
MINZ, DROR	ARO	Poster Presenter	Registered

MORARU, CRISTINA L	MAX PLANCK INSTITUTE FOR MARINE MICROBIOLOGY	Poster Presenter	Registered
MORONO, YUKI	JAMSTEC	Poster Presenter	Registered
MUKHERJEE, SUPRATIM	UNIVERSITY OF MASSACHUSETTS, AMHERST	Poster Presenter	Registered
MUSSMANN, MARC	MPI BREMEN	Poster Presenter	Registered
MUYZER, GERARD	DELFT UNIVERSITY OF TECHNOLOGY	Discussion Leader	Registered
NEALSON, KENNETH H	UNIVERSITY OF SOUTHERN CALIFORNIA	Speaker	Registered
NEWTON, RYAN J	UNIVERSITY OF GEORGIA	Poster Presenter	Registered
NIEDERBERGER, THOMAS D	UNIVERISTY OF DELAWARE	Poster Presenter	Registered
O'BRIEN, JOHN D	UNIVERSITY OF BRISTOL / WELLCOME TRUST	Poster Presenter	Registered
OFEK, MAYA	AGRICULTURAL RESEARCH ORGANIZATION OF ISRAEL	Attendee	Registered
ORPHAN, VICTORIA J	CALIFORNIA INSTITUTE OF TECHNOLOGY	Discussion Leader	Registered
PARK, WOOJUN	KOREA UNIVERSITY	Poster Presenter	Registered
PARK, JOONG-WOOK	RUTGERS UNIVERSITY	Poster Presenter	Registered
PATEL, JIGAR J	BOWLING GREEN STATE UNIVERSITY	Poster Presenter	Registered
PELTOLA, MINNA K	UNIVERSITY OF HELSINKI	Poster Presenter	Registered
PERNER, MIRJAM	UNIVERSITY HAMBURG	Poster Presenter	Registered
PESTER, MICHAEL	UNIVERSITY OF VIENNA	Poster Presenter	Registered
PETERSEN, JILLIAN M	MAX PLANCK INSTITUTE FOR MARINE MICROBIOLOGY	Poster Presenter	Registered
PETRONI, GIULIO	UNIVERSITY OF PISA	Poster Presenter	Registered
POLZ, MARTIN F	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Speaker	Registered
POROYKO, VALERIY	UNIVERSITY OF CHICAGO	Poster Presenter	Registered
RALEIGH, ELISABETH A	NEW ENGLAND BIOLABS	Attendee	Registered
RAMETTE, ALBAN	MAX PLANCK INSTITUTE FOR MARINE MICROBIOLOGY	Speaker	Registered
RAMOS, ESTHER	UNIVERSITY OF CALGARY	Poster Presenter	Registered
READ, SUZANNE T	UNIVERSITY OF QUEENSLAND	Poster Presenter	Registered
RICHARDSON, LAURIE L.	FLORIDA INTERNATIONAL UNIVERSITY	Poster Presenter	Registered
ROCHA, ANDREA	UNIVERSITY OF SOUTH FLORIDA	Poster Presenter	Registered
ROESELERS, GUUS	HARVARD UNIVERSITY	Poster Presenter	Registered
ROWE, ANNETTE R	CORNELL UNIVERSITY	Poster Presenter	Registered
RUBY, EDWARD G	UNIVERSITY OF WISCONSIN	Speaker	Registered
SALAS, EVERETT C	RICE UNIVERSITY	Poster Presenter	Registered
SALKINOJA-SALONEN, MIRJA S	UNIVERSITY OF HELSINKI	Poster Presenter	Registered
SCHMID, ANDREAS	TU DORTMUND UNIVERSITY	Poster Presenter	Registered
SCHRALLHAMMER, MARTINA	UNIVERSITA DI PISA	Poster Presenter	Registered
SCHREIBER, FRANK	MAX PLANCK INSTITUTE FOR MARINE MICROBIOLOGY	Poster Presenter	Registered
SIEGL, ALEXANDER M	UNIVERSITY OF WUERZBURG	Poster Presenter	Registered
SINGER, STEVEN W	JOINT BIOENERGY INSTITUTE	Poster Presenter	Registered
SIVAN, ALEX	BEN GURION UNIVERSITY	Poster Presenter	Registered
SONG, BONGKEUN	UNIVERSITY OF NORTH CAROLINA WILMINGTON	Poster Presenter	Registered
SONNENBURG, JUSTIN L.	STANFORD UNIVERSITY SCHOOL OF MEDICINE	Speaker	Registered
SPAIN, EILEEN M	OCCIDENTAL COLLEGE	Poster Presenter	Registered
STEPHENSON, TIM A	NASA	Attendee	Registered
STEVEN, BLAIRE	UNIVERSITY OF WYOMING	Poster Presenter	Registered
TAYLOR, GORDON T	STONY BROOK UNIVERSITY	Poster Presenter	Registered
TEBO, BRADLEY M	OREGON HEALTH & SCIENCE UNIVERSITY	Speaker	Registered
THANA, CHIRAWAN	UNIVERSITY OF IDAHO	Poster Presenter	Registered

TOVCHIGRECHKO, ANDREY	J. CRAIG VENTER INSTITUTE	Poster Presenter	Registered
TSANG, JOHN	MERCK RESEARCH LABORATORIES	Attendee	Registered
TYSON, GENE W	UNIVERSITY OF QUEENSLAND	Speaker	Registered
VILLANUEVA, LAURA	HARVARD CENTER FOR SYSTEMS BIOLOGY	Attendee	Registered
VINCENT, MEGHAN E	UNIVERSITY OF CHICAGO	Poster Presenter	Registered
VORHOLT, JULIA	ETH ZURICH	Poster Presenter	Registered
VOS, MICHIEL	NIOO KNAW CENTRE FOR TERRESTRIAL ECOLOGY	Poster Presenter	Registered
WAGNER, MICHAEL	UNIVERSITY OF VIENNA	Speaker	Registered
WAGNER-DOBLER, IRENE	HELMHOLTZ-CENTRE FOR INFECTION RESEARCH	Poster Presenter	Registered
WALSH, DAVID A	UNIVERSITY OF BRITISH COLUMBIA	Poster Presenter	Registered
WANG, YANLING	UNIVERSITY OF WISCONSIN-MADISON	Poster Presenter	Registered
WANG, YUN	NORTHWESTERN UNIVERSITY	Poster Presenter	Registered
WARNECKE, FALK	DOE JOINT GENOME INSTITUTE	Poster Presenter	Registered
WOYKE, TANJA	DOE JOINT GENOME INSTITUTE	Speaker	Registered
XU, ZHAOHUI	BOWLING GREEN STATE UNIVERSITY	Poster Presenter	Registered
YANG, YU	PEKING UNIVERSITY	Poster Presenter	Registered
YERGEAU, ETIENNE	NATIONAL RESEARCH COUNCIL OF CANADA	Poster Presenter	Registered
YILDIRIM, SULEYMAN	UNIVERSITY OF ILLINOIS, URBANA & CHAMPAIGN	Poster Presenter	Registered
YILMAZ, SUZAN	DOE JOINT GENOME INSTITUTE	Attendee	Registered
YOON, SUKHWAN	UNIVERSITY OF MICHIGAN	Poster Presenter	Registered
YOUNG, JACQUE C	UNIV. OF TN/ OAK RIDGE NATIONAL LAB	Poster Presenter	Registered
ZHANG, YU	CHINESE ACADEMY OF SCIENCES	Poster Presenter	Registered
ZHANG, PEI	ARIZONA STATE UNIVERSITY	Poster Presenter	Registered