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**GORDON RESEARCH CONFERENCES** *frontiers of science*  
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**Nancy Ryan Gray, Ph.D.**  
Director

**2012 GORDON RESEARCH CONFERENCE  
on CELLULAR & MOLECULAR FUNGAL BIOLOGY**

**FINAL PROGRESS REPORT**

DEPARTMENT OF ENERGY  
GRANT NO. DE-SC0007395

The Gordon Research Conference on CELLULAR & MOLECULAR FUNGAL BIOLOGY was held at Holderness School, Holderness New Hampshire, June 17 - 22, 2012. The Conference was well-attended with 136 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 136 attendees, 64 voluntarily responded to a general inquiry regarding ethnicity which appears on our registration forms. Of the 64 respondents, 26% were Minorities – 6% Hispanic, 17% Asian and 3% African American. Approximately 48% of the participants at the 2012 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In designing the formal speakers program, emphasis was placed on current unpublished research and discussion of the future target areas in this field.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 As you know, in the interest of promoting the presentation of unpublished and frontier-breaking research, Gordon Research Conferences does not permit publication of meeting proceedings.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,  
*Judith Berman, Conference Chairperson*  
UNIVERSITY OF MINNESOTA

Cellular & Molecular Fungal Biology  
June 17-22, 2012  
Holderness School  
Holderness, NH  
Chairs:  
**Judith Berman & Alex Andrianopoulos**

Vice Chairs:  
**James B. Anderson & Jennifer Lodge**

The 2012 Gordon Conference on Cellular and Molecular Fungal Biology (CMFB) will present the latest, cutting-edge research on the exciting and growing field of molecular and cellular aspects of fungal biology. Topics will range from yeast to filamentous fungi, from model systems to economically important organisms, and from saprophytes and commensals to pathogens of plants and animals. The CMFB conference will feature a wide range of topics including systems biology, cell biology and morphogenesis, organismal interactions, genome organisation and regulation, pathogenesis, energy metabolism, biomass production and population genomics. Invited speakers represent scientific disciplines ranging from molecular genetics, cell biology, and biochemistry to population and evolutionary biology. This conference brings together leading academic, government and industrial scientists with a wide range of expertise to present and discuss current, unpublished research. It also fosters opportunities for junior scientists and graduate students to present their work and to exchange ideas with others in the field. Some poster presenters will be selected for short talks. The collegial atmosphere of this small-sized conference, with programmed discussion sessions and informal gatherings in the afternoons and evenings, provides participants from different disciplines the opportunity to discuss their work in a very broad context and promotes cross-disciplinary collaborations in the research areas represented.

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## Contributors



## 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 - 9:30 pm	<b>Evolutionary and Population Genomics</b>
7:40 pm - 7:50 pm	Discussion Leader: <b>Bruce McDonald</b> (ETH, Zurich, Switzerland)
7:50 pm - 8:05 pm	<b>Christina Cuomo</b> (The Broad Institute, Boston, MA, USA) "Comparative Genomic Analysis of Microsporidia: Evolutionary Strategies for Obligate Intracellular Growth"
8:05 pm - 8:15 pm	Discussion
8:15 pm - 8:30 pm	<b>Paul Magwene</b> (Duke University, Durham, North Carolina, USA) "Combining Systems Biology and Population Genomics to Understand the Evolution of Developmental Pathways in Budding Yeast"
8:30 pm - 8:40 pm	Discussion
8:40 pm - 8:55 pm	<b>Aleeza Gerstein</b> (University of British Columbia, Vancouver, Canada) "The Genomic Basis of Adaptive Mutations in Budding Yeast"
8:55 pm - 9:05 pm	Discussion
9:05 pm - 9:20 pm	<b>Antonis Rokas</b> (Vanderbilt University, Nashville, Tennessee, USA) "The Evolution of Metabolic Gene Clusters in Fungi"
9:20 pm - 9:30 pm	Discussion

## MONDAY

7:30 am - 8:30 am	Breakfast
8:30 am	Group Photo
9:00 am - 12:30 pm	<b>Genome Organization and Expression</b>
9:00 am - 9:10 am	Discussion Leader: <b>Michael Freitag</b> (Oregon State University, Corvallis, Oregon, USA)
9:10 am - 9:25 am	<b>Mark Caddick</b> (University of Liverpool, Liverpool, United Kingdom) "The Transcriptome and How To Turn It Off: RNA Degradation and Translational Repression"
9:25 am - 9:35 am	Discussion
9:35 am - 9:50 am	<b>James Fraser</b> (University of Queensland, St. Lucia, Queensland, Australia) "Nitrogen Metabolism in <i>Cryptococcus neoformans</i> "

9:50 am - 10:00 am	Discussion
10:00 am - 10:15 am	<b>Martijn Rep</b> (University of Amsterdam, Amsterdam, The Netherlands) "Organization and Expression of <i>Fusarium oxysporum</i> Genomes"
10:15 am - 10:25 am	Discussion
10:25 am - 10:55 am	Coffee Break
10:55 am - 11:10 am	<b>Brendan Cormack</b> (Johns Hopkins University, Baltimore, Maryland, USA) "Subtelomeres and Virulence Gene Evolution in <i>Candida glabrata</i> "
11:10 am - 11:20 am	Discussion
11:20 am - 11:35 am	<b>Anja Forche</b> (Bowdoin College, Brunswick, Maine, USA) "Stress Alters Rates and Types of Loss of Heterozygosity in <i>Candida albicans</i> "
11:35 am - 11:45 am	Discussion
11:45 am - 12:00 pm	<b>Barry Saville</b> (Trent University, Ontario, Canada) "The Identification and Analysis of Long Noncoding RNAs in <i>Ustilago maydis</i> "
12:00 pm - 12:10 pm	Discussion
12:30 pm	Lunch
1:30 pm - 4:00 pm	Free Time
4:00 pm - 6:00 pm	<u>Poster Session</u>
6:00 pm	Dinner
7:30 pm - 9:30 pm	<b>Sex and Development</b>
7:30 pm - 7:40 pm	Discussion Leader: <b>Amy Gladfelter</b> (Dartmouth University, Hanover, New Hampshire, USA)
7:40 pm - 7:55 pm	<b>Richard Bennett</b> (Brown University, Providence, Rhode Island, USA) "Parasexual Genetics and Pathogenesis in <i>Candida</i> "
7:55 pm - 8:05 pm	Discussion
8:05 pm - 8:20 pm	<b>Christina Hull</b> (University of Wisconsin, Madison, Wisconsin, USA) "Control of Sexual Development by the Sex Inducer 1/2 Transcriptional Network of <i>Cryptococcus neoformans</i> "
8:20 pm - 8:30 pm	Discussion
8:30 pm - 8:45 pm	<b>Kirsten Nielsen</b> (University of Minnesota, Minneapolis, Minnesota, USA) "Morphology Changes Affect Pathogenesis of <i>Cryptococcus neoformans</i> "
8:45 pm - 8:55 pm	Discussion
8:55 pm - 9:10 pm	<b>Stefanie Pöggeler</b> (Georg-August-Universität, Göttingen, Germany) "Fruiting-body Development in the Filamentous Ascomycete <i>Sordaria macrospora</i> "
9:10 pm - 9:20 pm	Discussion

**TUESDAY**

7:30 am - 8:30 am	Breakfast
9:00 am - 12:30 pm	<b>Cell Biology</b>
9:00 am - 9:10 am	Discussion Leader: <b>Steve Harris</b> (University of Nebraska-Lincoln, Nebraska, USA)
9:10 am - 9:25 am	<b>Michael Bolker</b> (Phillips University, Marburg, Germany) "Cycling of Rac1 GTPase is Essential for Polarized Growth in <i>Ustilago maydis</i> "
9:25 am - 9:35 am	Discussion
9:35 am - 9:50 am	<b>Ane Sesma</b> (Center for Plant Biotechnology and Genomics, Madrid, Spain) "Alternative 3' End Processing mRNAs Regulates Fungal Development and Plant Virulence in <i>Magnaporthe oryzae</i> "
9:50 am - 10:00 am	Discussion
10:00 am - 10:15 am	<b>Michelle Momany</b> (University of Georgia, Athens, Georgia, USA) "Septins in development"
10:15 am - 10:25 am	Discussion
10:25 am - 10:55 am	Coffee Break
10:55 am - 11:10 am	<b>Philippe Silar</b> (CNRS Université de Paris, Paris, France) "Signalling of Fruiting Body Development in the Model Ascomycete <i>Podospora anserina</i> "
11:10 am - 11:20 am	Discussion
11:20 am - 11:35 am	<b>Eduardo Espeso</b> (Centro de Investigaciones Biológicas, Madrid, Spain) "Deciphering the Molecular Mechanisms of Asexual Development in <i>Aspergillus nidulans</i> "
11:35 am - 11:45 am	Discussion
11:45 am - 12:00 pm	<b>Deb Bell-Pederson</b> (Texas A&M, College Station, Texas) "Circadian Clock Control of MAPK Pathways in <i>Neurospora</i> "
12:00 pm - 12:10 pm	Discussion
12:30 pm	Lunch
1:30 pm - 4:00 pm	Free Time
4:00 pm - 6:00 pm	<u>Poster Session</u>
6:00 pm	Dinner
7:30 pm - 9:30 pm	<b>Organismal Interactions</b>
7:30 pm - 7:40 pm	Discussion Leader: <b>Nick Talbot</b> (University of Exeter, Exeter, United Kingdom)
7:40 pm - 7:55 pm	<b>Chris Schardl</b> (University of Kentucky, Lexington, Kentucky, USA) "Insights from Comparative Genomics of Plant-Pathogenic and Plant-Symbiotic Clavicipitaceae"
7:55 pm - 8:05 pm	Discussion

8:05 pm - 8:20 pm	<b>Regine Kahmann</b> (Max Planck Institute for Terrestrial Microbiology, Marburg, Germany) "The Effectors of Smut Fungi and What We Can Learn from Comparative Approaches"
8:20 pm - 8:30 pm	Discussion
8:30 pm - 8:45 pm	<b>Fritz Muhlschlegel</b> , University of Kent, Kent, United Kingdom) "Fungal CO <sub>2</sub> Sensing"
8:45 pm - 8:55 pm	Discussion
8:55 pm - 9:10 pm	<b>Natalia Requena</b> (Karlsruhe Institute of Technology, Karlsruhe, Germany) "Fungal Reprogramming of a Plant Cell"
9:10 pm - 9:20 pm	Discussion

## WEDNESDAY

7:30 am - 8:30 am	Breakfast
<b>Host-Pathogen interactions</b>	
9:00 am - 9:10 am	Discussion Leader: <b>Carol Kumamoto</b> (Tufts University, Boston, Massachusetts, USA)
9:10 am - 9:25 am	<b>Melanie Wellington</b> (University of Rochester, Rochester, New York, USA) "Control of the Host Phagocyte Response to <i>Candida albicans</i> "
9:25 am - 9:35 am	Discussion
9:35 am - 9:50 am	<b>Chad Rappleye</b> (Ohio State University, Columbus, Ohio, USA) "Role of Reactive Oxygen and Fungal Oxidative Stress Defenses in <i>Histoplasma</i> Pathogenesis"
9:50 am - 10:00 am	Discussion
10:00 am - 10:15 am	<b>Raymond St. Leger</b> (University of Maryland, College Park, Maryland) "The Versatile Life Histories of Insect Pathogens"
10:15 am - 10:25 am	Discussion
10:25 am - 10:55 am	Coffee Break
10:55 am - 11:10 am	<b>Aaron Mitchell</b> (Carnegie Mellon University, Pittsburgh, Pennsylvania, USA) " <i>Candida albicans</i> Biofilm Genetics and Genomics"
11:10 am - 11:20 am	Discussion
11:20 am - 11:35 am	<b>Rob Wheeler</b> (University of Maine, Orono, Maine, USA) "Dynamics of <i>Candida</i> -Host Interaction During Infections"
11:35 am - 11:45 am	Discussion
11:45 am - 12:00 pm	<b>Nicole Donofrio</b> (University of Delaware, Newark, Delaware, USA) "Reactive Oxygen Species Relations During Rice and Rice Blast Interactions"
12:00 pm - 12:10 pm	Discussion

12:30 pm	Lunch
1:30 pm - 4:00 pm	Free Time
4:00 pm - 6:00 pm	<u>Poster Session</u>
6:00 pm	Dinner
7:00 pm - 7:30 pm	<u>Business Meeting</u>
	<i>Nominations for the next Vice Chair; Fill out Conference Evaluation Forms; Discuss future Site &amp; Scheduling preferences; Election of the next Vice Chair</i>
7:30 pm - 9:30 pm	<b>Energy Metabolism and Biomass Production</b>
7:30 pm - 7:40 pm	Discussion Leader: <b>Louise Glass</b> (University of California, Berkeley, California, USA)
7:40 pm - 7:55 pm	<b>Jamie Cate</b> (University of California, Berkeley, California, USA) "Sugar Sensing in <i>Neurospora crassa</i> and Yeast"
7:55 pm - 8:05 pm	Discussion
8:05 pm - 8:20 pm	<b>Kiyohiko Igarashi</b> (University of Tokyo, Tokyo, Japan) "Fungal Transcriptome as a Tool to Search for the Biomass-Converting Enzymes"
8:20 pm - 8:30 pm	Discussion
8:30 pm - 8:45 pm	<b>Suzanne Lantz</b> (DuPont Industrial Biosciences, Palo Alto, California, USA) "Trichoderma Stain Improvement for Large Scale Enzyme Production"
8:45 pm - 8:55 pm	Discussion
8:55 pm - 9:10 pm	TBA
9:10 pm - 9:20 pm	Discussion

## THURSDAY

7:30 am - 8:30 am	Breakfast
9:00 am - 12:30 pm	<b>Systems Biology</b>
9:00 am - 9:10 am	Discussion Leader: <b>Elaine Bignell</b> (Imperial College London, UK)
9:10 am - 9:25 am	<b>Maitreya Dunham</b> (University of Washington, Seattle, Washington, USA) "Functional Genomic Analysis of Genome Evolution in Budding Yeasts"
9:25 am - 9:35 am	Discussion
9:35 am - 9:50 am	<b>Martin Kupiec</b> (Tel Aviv University, Israel) "Vertical and Horizontal Views of Telomere Biology"
9:50 am - 10:00 am	Discussion
10:00 am - 10:15 am	<b>Suzanne Noble</b> (University of California, San Francisco California, USA) "Candida albicans Mechanisms of Virulence and Commensalism"
10:15 am - 10:25 am	Discussion
10:25 am - 10:55 am	Coffee Break

10:55 am - 11:10 am	<b>Norman Pavelka</b> (Singapore Immunology Network, A*STAR, Singapore) "Systems-level Effects of Aneuploidy on Yeast Cell Biology and the Evolutionary Adaptation of Fungal Pathogens to their Hosts"
11:10 am - 11:20 am	Discussion
11:20 am - 11:35 am	<b>Ivana Gudelj</b> (Biosciences, University of Exeter, Exeter, United Kingdom) "The Interplay Between Resource Competition and Drug Resistance in Pathogenic Fungi"
11:35 am - 11:45 am	Discussion
11:45 am - 12:00 pm	<b>Tim Hughes</b> (University of Toronto, Ontario, Canada) "Exploration of Transcription Factor Sequence Specificity Across the Fungal Kingdom"
12:00 pm - 12:10 pm	Discussion
12:30 pm	Lunch
1:30 pm - 4:00 pm	Free Time
4:00 pm - 6:00 pm	<u>Poster Session</u>
6:00 pm	Dinner
7:30 pm - 9:30 pm	<b>Hot Topics</b>
7:30 pm - 7:40 pm	Discussion Leaders: <b>Jenny Lodge</b> (Washington University, St. Louis, MO, USA) and <b>Jim Anderson</b> (University of Toronto, Canada)
7:40 pm - 7:50 pm	<b>Meleah Hickman</b> (University of Minnesota) "Dramatic ploidy shifts in <i>Candida albicans</i> "
7:50 pm - 7:55 pm	Discussion
7:55 pm - 8:05 pm	<b>Shay Covo</b> (National Institute of Environmental) "Sister chromatid cohesion suppresses LOH mediated by interhomolog BIR and recombination-dependent chromosome gain"
8:05 pm - 8:10 pm	Discussion
8:10 pm - 8:20 pm	<b>Dana Wohlbach</b> (University of Wisconsin, Madison) "Multiomics analysis of natural variation in yeast to understand bottlenecks to bioenergy production"
8:20 pm - 8:25 pm	Discussion
8:25 pm - 8:35 pm	<b>Sheng Sun</b> (Duke University Medical Center) "Gene Conversion Occurs within the Mating-type Locus of <i>Cryptococcus neoformans</i> during Sexual Reproduction"
8:35 pm - 8:40 pm	Discussion
8:40 pm - 8:50 pm	<b>Nikola Kellner</b> "The Num1 protein in <i>Ustilago maydis</i> - a novel connection between splicing and transport"
8:50 pm - 8:55 pm	Discussion
8:55 pm - 9:05 pm	<b>Kirk Czymmek</b> (University of Delaware)

"The multiple origins and age/development-dependent nature of the fungal calcium pulse: New insights into  $\text{Ca}^{2+}$  signaling and its role in hyphal tip growth"

9:05 pm - 9:10 pm Discussion

9:10 pm - 9:20 pm **Martha Giraldo** (Kansas State University)  
"Secretion of *Magnaporthe oryzae* cytoplasmic effectors occurs by a Golgi-independent mechanism during biotrophic invasion of rice"

9:20 pm - 9:25 pm Discussion

## FRIDAY

7:30 am - 8:30 am Breakfast

9:00 am Departure

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**Cellular & Molecular Fungal Biology (2012)**

Name	Organization	Participation	Status
ANDERSON, JAMES B	UNIVERSITY OF TORONTO	Vice Chair	Registered
ANDRIANOPOULOS, ALEX	UNIVERSITY OF MELBOURNE	Chair	Registered
AOUIDA, MUSTAPHA	KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY	Poster Presenter	Registered
ARNAUD, MARTHA B	STANFORD UNIVERSITY SCHOOL OF MEDICINE	Poster Presenter	Registered
BALLOU, ELIZABETH R	DUKE UNIVERSITY	Poster Presenter	Registered
BELINKY, PAULA A.	MIGAL-GALILEE TECHNOLOGY CENTER AND TEL HAI COLLEG	Poster Presenter	Registered
BENNETT, RICHARD	BROWN UNIVERSITY	Speaker	Registered
BERMAN, JUDITH	UNIVERSITY OF MINNESOTA	Chair	Registered
BIEDRZYCKI, MEREDITH L	UNIVERSITY OF DELAWARE	Poster Presenter	Registered
BIGNELL, ELAINE M	IMPERIAL COLLEGE	Discussion Leader	Registered
BINGER, DANIELLE	BP BIOFUELS	Attendee	Registered
BOELKER, MICHAEL	PHILIPPS UNIVERSITÄT MARBURG	Speaker	Registered
BRAUS-STROMEYER, SUSANNA A	GEORG-AUGUST-UNIVERSITY GOETTINGEN	Poster Presenter	Registered
BROWN, DAREN W	USDA	Poster Presenter	Registered
CADDICK, MARK X	UNIVERSITY OF LIVERPOOL	Speaker	Registered
CALVO, ANA	NORTHERN ILLINOIS UNIVERSITY	Poster Presenter	Registered
CATE, JAMIE H	UNIVERSITY OF CALIFORNIA, BERKELEY	Speaker	Registered
CHANG, YUN C	NIH	Attendee	Registered
CHOWDHURY, TAHMEENA	CHILDREN'S HOSPITAL BOSTON/HARVARD MEDICAL SCHOOL	Poster Presenter	Registered
CORADETTI, SAMUEL T	UNIVERSITY OF CALIFORNIA AT BERKELEY	Poster Presenter	Registered
CORMACK, BRENDAN	JOHNS HOPKINS SCHOOL OF MEDICINE	Speaker	Registered
COVO, SHAY	NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCE	Poster Presenter	Registered
CUOMO, CHRISTINA A	BROAD INSTITUTE OF MIT AND HARVARD	Speaker	Registered
CZYMMEK, KIRK J	UNIVERSITY OF DELAWARE	Poster Presenter	Registered
DAWE, ANGUS L	NEW MEXICO STATE UNIVERSITY	Attendee	Registered
DEAN, RALPH A	NORTH CAROLINA STATE UNIVERSITY	Poster Presenter	Registered
DESHMUKH, SUNIL	PIRAMAL LIFE SCIENCES	Poster Presenter	Registered
DHINGRA, SOURABH	NORTHERN ILLINOIS UNIVERSITY	Poster Presenter	Registered
DONOFRIO, NICOLE	UNIVERSITY OF DELAWARE	Speaker	Registered
DUNHAM, MAITREYA	UNIVERSITY OF WASHINGTON	Speaker	Registered
ESPESO, EDUARDO A	CENTRO DE INVESTIGACIONES BIOLOGICAS	Speaker	Registered
ETXEBESTE, OIER	UNIVERSITY OF THE BASQUE COUNTRY	Poster	Registered

		Presenter	
FERETZAKI, MARIANNA	DUKE UNIVERSITY	Poster Presenter	Registered
FERNANDEZ, JESSIE	UNIVERSITY OF NEBRASKA-LINCOLN	Poster Presenter	Registered
FORCHE, ANJA	BOWDOIN COLLEGE	Speaker	Registered
FRANDSEN, RASMUS JN	TECHNICAL UNIVERSITY OF DENMARK	Poster Presenter	Registered
FRASER, JAMES	UNIVERISTY OF QUEENSLAND	Speaker	Registered
FREE, STEPHEN J	SUNY UNIVERSITY AT BUFFALO	Poster Presenter	Registered
FREITAG, MICHAEL	OREGON STATE UNIVERSITY	Discussion Leader	Registered
FUKADA, FUMI	KYOTO PREFECTURAL UNIVERSITY	Poster Presenter	Registered
GANGAVARAPU, VENKAT	VALENT BIOSCIENCES CORPORATION	Attendee	Registered
GAUTHIER, GREGORY M	UNIVERSITY OF WISCONSIN	Poster Presenter	Registered
GERSTEIN, ALEEZA C	UNIVERSITY OF BRITISH COLUMBIA	Speaker	Registered
GIRALDO, MARTHA C	KANSAS STATE UNIVERSITY	Poster Presenter	Registered
GLADFELTER, AMY S	DARTMOUTH COLLEGE	Discussion Leader	Registered
GLASS, LOUISE	UNIVERSITY OF CALIFORNIA AT BERKELEY	Discussion Leader	Registered
GUDELJ, IVANA	UNIVERSITY OF EXETER	Speaker	Registered
GUILHEM LONGO, LARISSA VALLE	UNIVERSIDADE FEDERAL DE SÃO PAULO - UNIFESP	Poster Presenter	Registered
GUNDERSEN, AMY M	NOVOZYMES, INC	Attendee	Registered
HARRIS, STEVEN D	UNIVERISTY OF NEBRASKA - LINCOLN	Discussion Leader	Registered
HELLER, JENS	WWU MÜNSTER	Poster Presenter	Registered
HERNANDEZ-RODRIGUEZ, YAINITZA	UNIVERSITY OF GEORGIA	Poster Presenter	Registered
HICKMAN, MELEAH A	UNIVERSITY OF MINNESOTA	Poster Presenter	Registered
HORWITZ, BENJAMIN A	TECHNION - ISRAEL INSTITUTE OF TECHNOLOGY	Poster Presenter	Registered
HUGHES, TIM	UNIVERSITY OF TORONTO	Speaker	Registered
HULL, CHRISTINA M	UNIVERISTY OF WISCONSIN	Speaker	Registered
HUNTER, CAMERON C	KANSAS STATE UNIVERSITY	Poster Presenter	Registered
IGARASHI, KIYOHICO	UNIVERSITY OF TOKYO	Speaker	Registered
KAHMANN, REGINE	MAX PLANCK INSTITTUTE FOR TERRESTRIAL MICROBIOLOGY	Speaker	Registered
KAYIKCI, OMUR	DUKE UNIVERSITY	Poster Presenter	Registered
KELLNER, NIKOLA	KARLSRUHE INSTITUTE OF TECHNOLOGY (KIT)	Poster Presenter	Registered
KEMPKEN, FRANK	CHRISTIAN-ALBRECHTS-UNIVERSITY KIEL	Poster	Registered

		Presenter	
<b>KHANAL LAMICHHANE, AMI</b>	NATIONAL INSTITUTE OF HEALTH	Poster Presenter	Registered
<b>KIM, HYE-SEON</b>	UNIVERSITY OF DELAWARE	Poster Presenter	Registered
<b>KORNITZER, DANIEL</b>	TECHNION - ISRAEL INSTITUTE OF TECHNOLOGY	Poster Presenter	Registered
<b>KUBO, YASUYUKI</b>	KYOTO PREFECTURAL UNIVERSITY	Poster Presenter	Registered
<b>KUMAMOTO, CAROL A</b>	TUFTS UNIVERSITY	Discussion Leader	Registered
<b>KUPIEC, MARTIN</b>	TEL AVIV UNIVERSITY	Speaker	Registered
<b>KUZNETS, GALIT MISS</b>	TECHNION - I.I.T. B. RAPPAPORT FAC. OF MEDICINE	Poster Presenter	Registered
<b>LANTZ, SUZANNE E</b>	DUPONT INDUSTRIAL BIOSCIENCES	Speaker	Registered
<b>LARSON, JENNIFER R</b>	THE OHIO STATE UNIVERSITY	Poster Presenter	Registered
<b>LEE, KWANGWON</b>	RUTGERS UNIVERSITY	Poster Presenter	Registered
<b>LEE, SOO CHAN</b>	DUKE UNIVERSITY MEDICAL CENTER	Poster Presenter	Registered
<b>LEE, SHERNITA L</b>	VIRGINIA TECH	Poster Presenter	Registered
<b>LI, GUOTIAN</b>	PURDUE UNIVERSITY	Poster Presenter	Registered
<b>LIU, TONGBAO</b>	NEW JERSEY MEDICAL SCHOOL	Poster Presenter	Registered
<b>LIU, HONG</b>	LABIOMED AT HARBOR-UCLA MEDICAL CENTER	Poster Presenter	Registered
<b>LIU, QI QL</b>	THE UNIVERSITY OF SYDNEY	Poster Presenter	Registered
<b>LODGE, JENNIFER</b>	WASHINGTON UNIVERSITY SCHOOL OF MEDICINE	Vice Chair	Registered
<b>LUO, HONG</b>	MICHIGAN STATE UNIVERSITY	Poster Presenter	Registered
<b>MAGWENE, PAUL M</b>	DUKE UNIVERSITY	Speaker	Registered
<b>MARTEN, MARK R.</b>	UNIVERSITY OF MARYLAND BALTIMORE COUNTY (UMBC)	Poster Presenter	Registered
<b>MATHIONI, SANDRA M</b>	THE SAMUEL ROBERTS NOBLE FOUNDATION	Attendee	Registered
<b>MCDONALD, TAMI R</b>	UNIVERSITY OF MINNESOTA	Poster Presenter	Registered
<b>MCDONALD, BRUCE</b>	ETH	Discussion Leader	Registered
<b>MITCHELL, AARON P</b>	CARNEGIE MELLON UNIVERSITY	Speaker	Registered
<b>MOMANY, MICHELLE</b>	UNIVERSITY OF GEORGIA	Speaker	Registered
<b>MUHLSCHLEGEGL, FRITZ</b>	UNIVERSITY OF KENT	Speaker	Registered
<b>MUSZEWSKA, ANNA</b>	UNIVERSITY OF WARSAW	Poster Presenter	Registered
<b>NIELSEN, KIRSTEN</b>	UNIVERSITY OF MINNESOTA	Speaker	Registered
<b>NNEKA, AKWU A</b>	UNIVERSITY OF LAGOS, AKOKA	Attendee	Registered
<b>NOBLE, SUZANNE</b>	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO	Speaker	Registered

ODA, KEN	UNIVERSITY OF GEORGIA	Poster Presenter	Registered
OH, YEONYEE	NORTH CAROLINA STATE UNIVERSITY	Poster Presenter	Registered
OHM, ROBIN A	DOE JOINT GENOME INSTITUTE	Poster Presenter	Registered
OKMEN, BILAL	WAGENINGEN UNIVERSITY	Poster Presenter	Registered
PAN, JUAN	UNIVERISITY OF KENTUCKY	Poster Presenter	Registered
PAVELKA, NORMAN	SINGAPORE IMMUNOLOGY NETWORK (SIGN)	Speaker	Registered
PERES, NALU T A	UNIVERSITY OF SAO PAULO	Poster Presenter	Registered
PERES DA SILVA, ROBERTA	ESCOLA PAULISTA DE MEDICINA-UNIFESP	Poster Presenter	Registered
PERLIN, MICHAEL H	UNIVERSITY OF LOUISVILLE	Poster Presenter	Registered
PHATALE, PALLAVI A	OREGON STATE UNIVERSITY	Poster Presenter	Registered
POGGELE, STEFANIE	GEORG AUGUST UNIVERSITY GOTTINGEN	Speaker	Registered
PROCTOR, ROBERT H	US DEPARTMENT OF AGRICULTURE, ARS NCAUR	Poster Presenter	Registered
RAPPLEYE, CHAD	OHIO STATE UNIVERSITY	Speaker	Registered
REP, MARTIJN	UNIVERSITY OF AMSTERDAM	Speaker	Registered
REQUENA, NATALIA N	KARLSRUHE INSTITUTE OF TECHNOLOGY	Speaker	Registered
ROKAS, ANTONIS	VANDERBILT UNIVERSITY	Speaker	Registered
SAMARANAYAKE, DHANUSHKI P	UNIVERSITY AT ALBANY, STATE UNIVERSITY OF NEW YORK	Poster Presenter	Registered
SAVILLE , BARRY	TRENT UNIVERSITY	Speaker	Registered
SCHARDL, CHRISTOPHER L	UNIVERSITY OF KENTUCKY	Speaker	Registered
SCHULER, DAVID	KIT - INSTITUTE FOR APPLIED BIOSCIENCES	Poster Presenter	Registered
SCOTT, BARRY	MASSEY UNIVERSITY	Poster Presenter	Registered
SELMECKI, ANNA M	DANA-FARBER CANCER INSTITUTE	Poster Presenter	Registered
SESMA, ANE	CENTRE FOR PLANT BIOTECHNOLOGY AND GENOMICS	Speaker	Registered
SHANTAPPA, SOURABHA	NORTHERN ILLINOIS UNIVERSITY	Poster Presenter	Registered
SILAR, PHILIPPE	INSTITUT DE GENETIQUE ET MICROBIOLOGIE	Speaker	Registered
SOMAI, BENESH M	NELSON MANDELA METROPOLITAN UNIVERSITY	Poster Presenter	Registered
SOUKUP, ALEXANDRA	UW-MADISON	Poster Presenter	Registered
ST. LEGER, RAYMOND J	UNIVERSITY OF MARYLAND	Speaker	Registered
SUN, SHENG	DUKE UNIVERSITY MEDICAL CENTER	Poster Presenter	Registered
TAKACH, JOHANNA	THE SAMUEL ROBERTS NOBLE FOUNDATION	Poster Presenter	Registered
TALBOT, NICHOLAS J	UNIVERSITY OF EXETER	Discussion	Registered

		Leader	
<b>TODD, RICHARD B</b>	KANSAS STATE UNIVERSITY	Poster Presenter	Registered
<b>TOH, SU SAN</b>	UNIVERSITY OF LOUISVILLE	Poster Presenter	Registered
<b>TREVES, DAVID S</b>	INDIANA UNIVERSITY SOUTHEAST	Poster Presenter	Registered
<b>UPADHYA, RAJENDRA</b>	WASHINGTON UNIVERSITY SCHOOL OF MEDICINE	Poster Presenter	Registered
<b>WANG, ZHENG</b>	NAVAL RESEARCH LABORATORY	Poster Presenter	Registered
<b>WELLINGTON, MELANIE</b>	UNIVERSITY OF ROCHESTER MEDICAL CENTER	Speaker	Registered
<b>WENZEL, CLAUDIA</b>	LEIBNIZ INSTITUTE OF PLANT BIOCHEMISTRY	Poster Presenter	Registered
<b>WHEELER, ROBERT T</b>	UNIVERSITY OF MAINE	Speaker	Registered
<b>WOHLBACH, DANA J</b>	UNIVERSITY OF WISCONSIN-MADISON	Poster Presenter	Registered
<b>WONG, KOON HO</b>	HARVARD MEDICAL SCHOOL	Poster Presenter	Registered
<b>XUE, CHAOYANG</b>	UMDNJ	Poster Presenter	Registered
<b>ZHOU, XIAOYING</b>	PURDUE UNIVERSITY	Poster Presenter	Registered
<b>ZIMMERMAN, SABRINA A</b>	BP BIOFUELS	Attendee	Registered
<b>136 Attendees</b>			