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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 PLANT MOLECULAR BIOLOGY
FINAL PROGRESS REPORT**

DEPARTMENT OF ENERGY
GRANT NO. DE-SC0008321

The Gordon Research Conference on PLANT MOLECULAR BIOLOGY was held at Holderness School, Holderness New Hampshire, July 15 - 20, 2012. The Conference was well-attended with 167 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 167 attendees, 81 voluntarily responded to a general inquiry regarding ethnicity which appears on our registration forms. Of the 81 respondents, 30% were Minorities – 1% Hispanic, 25% Asian and 4% African American. Approximately 37% 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In designing the formal speakers program, emphasis was placed on current unpublished research and discussion of the future target areas in this field.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 As you know, in the interest of promoting the presentation of unpublished and frontier-breaking research, Gordon Research Conferences does not permit publication of meeting proceedings.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,
Michael Sussman Conference Chairperson
UNIVERSITY OF WISCONSIN-MADISON

Plant Molecular Biology
Genomic Approaches to Plant Signaling Systems

July 15-20, 2012

Holderness School

Holderness, NH

Chair:

Michael R. Sussman

Vice Chair:
Steven P. Briggs

The 2012 Gordon Conference on Plant Molecular Biology will present cutting-edge research on molecular aspects of plant growth and development, with particular emphasis on recent discoveries in molecular mechanisms involved with plant signaling systems. The Conference will feature a wide range of topics in plant molecular biology including hormone receptors and early events in hormone signaling, plant perception of and response to plant pathogen and symbionts, as well as technological and biological aspects of epigenomics particularly as it relates to signaling systems that regulate plant growth and development. Genomic approaches to plant signaling will be emphasized, including genomic profiling technologies for quantifying various biological subsystems, such as the epigenome, transcriptome, phosphorylome, and metabolome. The meeting will include an important session devoted to answering the question, "What are the biological and technological limits of plant breeding/genetics, and how can they be solved"? Invited speakers represent a variety of scientific disciplines, including biochemistry, molecular genetics, structural biology, cell biology and imaging. The Conference will bring together a collection of 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 located in the pristine forests and cool springs of the White Mountains of New Hampshire, with programmed discussion sessions as well as opportunities for informal gatherings in the afternoons and evenings, provides an ideal avenue for scientists from different disciplines to brainstorm and develop novel cross-disciplinary collaborations.

Contributors





PIONEER
A DUPOUNT BUSINESS



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 - 7:45 pm	Welcome / Introductory Comments by GRC Site Staff and Chair Michael Sussman
7:45 pm - 9:30 pm	The Forefront of Plant Genomics
7:45 pm - 8:25 pm	Joe Ecker (Salk Institute, La Jolla, CA, USA) "The <i>Arabidopsis</i> interactome"
8:25 pm - 8:35 pm	Discussion
8:35 pm - 9:00 pm	Steve Briggs (UC-San Diego, CA, USA) "Does proteotype determine phenotype?"
9:00 pm - 9:10 pm	Discussion
9:10 pm - 9:18 pm	Alexander Jones (Carnegie Institution/Stanford, USA) "The <i>Arabidopsis</i> Membrane-Based Interactome Reveals Novel Network Patterns And Signaling Motifs"
9:18 pm - 9:20 pm	Discussion
9:20 pm - 9:28 pm	Sixue Chen (University of Florida, USA) "Quantitative proteomics of guard cell hormone signal transduction"
9:28 pm - 9:30 pm	Discussion
9:30 pm	Reception and Social

MONDAY

7:30 am - 8:30 am	Breakfast
8:30 am	Group Photo
9:00 am - 12:30 pm	Epigenomics and the RNA World
	Discussion Leader: Craig Pikaard (Indiana University, Bloomington, IN,

	USA)
9:00 am - 9:25 am	Rob Martienssen (Cold Spring Harbor Laboratory, NY, USA) "Reprogramming the epigenome with small RNA"
9:25 am - 9:35 am	Discussion
9:35 am - 10:00 am	Craig Pikaard (Indiana University, Bloomington, IN, USA) "Multisubunit RNA polymerases IV and V and noncoding RNA-mediated silencing"
10:00 am - 10:05 am	Discussion
10:05 am	Coffee Break
10:40 am - 11:05 am	Vincent Colot (IBENS, Paris, France) "Epigenetic Variation: An Epigenomics and Quantitative Genetics Perspective"
11:05 am - 11:15 am	Discussion
11:15 am - 11:23 am	Barbara Baker (UC-Berkeley) "miRNA regulation of plant innate immune receptors"
11:23 am - 11:25 am	Discussion
11:25 am - 11:33 am	Chris Rock (Texas Tech Univ.) "Genetic interactions between rna interference and abscisic acid response pathways"
11:33 am - 11:35 am	Discussion
11:35 am - 11:43 am	Elinor Thompson (University of Greenwich, UK) "An <i>Arabidopsis</i> rhomboid protease has roles in the chloroplast and in flower development"
11:43 am - 11:45 am	Discussion
11:45 am - 11:53 am	Sally Walford (CSIRO, Australia) "Using genomics to characterise genes controlling cotton fibre initiation pathways"
11:53 am - 11:55 am	Discussion
11:55 am - 12:03 pm	Martin Calvino (Rutgers University, USA) "Comparative genomics of microRNA 169 gene copies across the grass family has practical implications for breeding sorghum with enhanced biofuel traits"
12:03 pm - 12:05 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	Systems Biology: The Proteome, Metabolome and Ionomer of Plants

Discussion Leader: **Mary Lou Guerinot** (Dartmouth College, Hanover,

	NH, USA)
7:30 pm - 7:55 pm	Mary Lou Guerinot (Dartmouth College, Hanover, NH, USA) "Ins, Outs, Ups and Downs of Ion Homeostasis"
7:55 pm - 8:05 pm	Discussion
8:05 pm - 8:30 pm	Katja Baerenfaller (ETH, Zurich, Switzerland) "Molecular profiling of <i>Arabidopsis</i> leaf growth"
8:30 pm - 8:40 pm	Discussion
8:40 pm - 9:05 pm	Lloyd Sumner (Noble Foundation, Ardmore, OK, USA) "Integrated Metabolomics and Triterpene Saponin Biosynthesis in <i>Medicago truncatula</i> "
9:05 pm - 9:10 pm	Discussion
9:10 pm - 9:18 pm	Ling Li (Iowa State Univ., USA) "Uncovering novel signaling interactions in the regulation of plant metabolic networks"
9:18 pm - 9:20 pm	Discussion
9:20 pm - 9:28 pm	Frank Menke (Utrecht University, Netherlands) "A Network Biology Approach of Immune Signaling through Phospho-Proteomics"
9:28 pm - 9:30 pm	Discussion
9:30 pm	Social

TUESDAY

7:30 am - 8:30 am	Breakfast
Hormone Receptors I	
9:00 am - 9:25 am	Discussion Leader: Mark Estelle (UC-San Diego, CA, USA) Sheng-Yang He (Michigan State University, East Lansing, MI, USA) "Cross-talk between jasmonate and gibberellin signaling"
9:25 am - 9:35 am	Discussion
9:35 am - 10:00 am	Mark Estelle (UC-San Diego, CA, USA) "The auxin co-receptor system in <i>Arabidopsis</i> "
10:00 am - 10:10 am	Discussion
10:10 am	Coffee Break
10:40 am - 11:05 am	Alain Goossens (VIB-Ghent University, Belgium) "The role of ubiquitin ligases in the control of the jasmonate response"
11:05 am - 11:15 am	Discussion
11:15 am - 11:40 am	Tai Ping Sun (Duke University, Durham, NC, USA) "GA-GID1-DELLA: A pivotal regulatory module for plant growth and development"
11:40 am - 11:50 am	Discussion
11:50 am - 11:58 am	William Gray (Univ. of Minnesota, USA)

"SAUR19 family proteins promote cell expansion"

11:58 am - 12:00 pm Discussion

12:00 pm - 12:08 pm **Michael Muszynski** (Iowa State Univ., USA)

"Inappropriate cytokinin signaling alters proximal-distal leaf patterning in maize"

12:08 pm - 12:10 pm Discussion

12:10 pm - 12:18 pm **Hilde Nelissen** (VIB/Univ. of Ghent, Belgium)

"The maize leaf: an ideal tool to study cell division and cell expansion, the processes driving growth"

12:18 pm - 12:20 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

Hormone Receptors II

Discussion Leader: **Sean Cutler** (UC-Riverside, CA, USA)

7:30 pm - 7:55 pm

Zhenbiao Yang (UC-Riverside, CA, USA)

"A new auxin signaling mechanism based on the old ABP1"

7:55 pm - 8:05 pm

Discussion

8:05 pm - 8:30 pm

Shuqun Zhang (University of Missouri, Columbia, MO, USA)

"Dual-level regulation of stress ethylene induction by MPK3/MPK6 cascade in *Arabidopsis*"

8:30 pm - 8:40 pm

Discussion

8:40 pm - 9:05 pm

Sean Cutler (UC-Riverside, CA, USA)

"Chemical and Genetic Dissection of Abscisic Acid Signaling"

9:05 pm - 9:10 pm

Discussion

9:10 pm - 9:18 pm

Eric Nam (Univ. of Toronto, Canada)

"Functional analyses of ABA signaling genes"

9:18 pm - 9:20 pm

Discussion

9:20 pm - 9:28 pm

Alison DeLong (Brown Univ., USA)

"PP2A regulation of ethylene biosynthesis"

9:28 pm - 9:30 pm

Discussion

9:30 pm

Social

WEDNESDAY

7:30 am - 8:30 am Breakfast

Receptor Kinases and the Phosphorylome

Discussion Leader: **Jo Chory** (Salk Institute, La Jolla, CA, USA)

9:00 am - 9:25 am

Jo Chory (Salk Institute, La Jolla, CA, USA)

	"Mechanisms of seedling growth"
9:25 am - 9:35 am	Discussion
9:35 am - 10:00 am	Antje Heese (University of Missouri, Columbia, MO, USA) "Role of ligand-induced endocytosis of the flagellin receptor FLS2 in innate immune signaling"
10:00 am - 10:10 am	Discussion
10:10 am	Coffee Break
10:40 am - 11:05 am	Jen Sheen (Harvard Medical School, Boston, MA, USA) "Probing PK Signaling Networks with Chemical Switches"
11:05 am - 11:15 am	Discussion
11:15 am - 11:40 am	Remko Offringa (Leiden University, Netherlands) "Phosphorylation-mediated switch in auxin transport polarity as an integrator of abiotic signals"
11:40 am - 11:50 am	Discussion
11:50 am - 11:58 am	Jeff Harper (Univ. of Nevada, USA) "A cyclic nucleotide-gated channel (CNGC16) is critical for stress tolerance in pollen reproductive development"
11:58 am - 12:00 pm	Discussion
12:00 pm - 12:08 pm	Alex Levine (Hebrew Univ. of Jerusalem, Israel) "Phosphoinositide Signaling Pathways Regulate Abiotic Stress Signaling"
12:08 pm - 12:10 pm	Discussion
12:10 pm - 12:18 pm	Astrid Kristensen (Univ. of Copenhagen, Denmark) "PSY: A family of plant peptides initiating cell growth"
12:18 pm - 12:20 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 & Scheduling preferences; Election of the next Vice Chair</i>
7:30 pm - 9:30 pm	Pathogen Signaling Discussion Leader: Steve Briggs (UC-San Diego, CA, USA)
7:30 pm - 7:55 pm	Xinnian Dong (Duke University, Durham, NC, USA) "Dynamic regulation of plant immune response"
7:55 pm - 8:05 pm	Discussion
8:05 pm - 8:30 pm	Alisa Huffaker (USDA-ARS, Gainesville, FL, USA) "Plant Elicitor Peptides: endogenous signals regulating pathogen defense"

8:30 pm - 8:40 pm	Discussion
8:40 pm - 8:48 pm	Nicole Clay (Yale Univ., USA) "Identification of glycosyltransferases involved in pathogen recognition in <i>Arabidopsis</i> innate immunity"
8:48 pm - 8:50 pm	Discussion
8:50 pm - 8:58 pm	Joanna Jelenska (Univ. of Chicago, USA) "Defense signaling and energy metabolism are targets of <i>Pseudomonas syringae</i> virulence effector HopI1"
8:58 pm - 9:00 pm	Discussion
9:00 pm - 9:08 pm	Alberto Macho (Sainsbury Laboratory, UK) "The novel short LRR-RK SEL is a positive regulator of PAMP-triggered immunity"
9:08 pm - 9:10 pm	Discussion
9:10 pm - 9:18 pm	Ursula Pfitzner (Univ. of Hohenheim, Germany) "The signaling of the plant hormone salicylic acid through the NIMIN/NPR1 connection"
9:18 pm - 9:20 pm	Discussion
9:20 pm - 9:28 pm	Shaul Yalovsky (Tel Aviv University, Israel) "A ROP-calcium signaling module associates with microtubules in regulation of auxin distribution"
9:28 pm - 9:30 pm	Discussion
9:30 pm	Social

THURSDAY

7:30 am - 8:30 am	Breakfast
9:00 am - 12:30 pm	Discoveries in New Signaling Systems
	Discussion Leader: Joe Ecker (Salk Institute, La Jolla, CA, USA)
9:00 am - 9:25 am	Giles Oldroyd (John Innes Center, Norwich, UK) "The symbiotic signaling pathway in legumes and non-legumes"
9:25 am - 9:35 am	Discussion
9:35 am - 10:00 am	Jean-Michel Ane (University of Wisconsin, Madison, WI, USA) "Medicagomics: an Integrated Proteomic, Phosphoproteomic, Transcriptomic, and Genetic Analysis of Symbiotic Signaling"
10:00 am - 10:10 am	Discussion
10:10 am	Coffee Break
10:40 am - 11:05 am	Alan M. Jones (University of North Carolina, Chapel Hill, NC, USA) "Sugar perception and signaling via an unusual RGS protein"
11:05 am - 11:15 am	Discussion
11:15 am - 11:23 am	Tie Liu (Carnegie Institution/Stanford, USA) "The Transcriptional Network Analysis of Adaxial-abaxial Polarity in <i>Arabidopsis</i> Leaf Development"

11:23 am - 11:25 am	Discussion
11:25 am - 11:33 am	Pauline Rival (CNRS, France) "Roles of the <i>Medicago truncatula</i> DMI3 gene in coordinating epidermal and cortical responses during endosymbiosis with <i>Sinorhizobium meliloti</i> "
11:33 am - 11:35 am	Discussion
11:35 am - 11:43 am	Titima Tantikanjana (Cornell Univ., USA) "Auxin Response Factor 3 (ARF3) functions non-cell-autonomously to regulate self-incompatibility in the Brassicaceae"
11:43 am - 11:45 am	Discussion
11:45 am - 11:53 am	Hao Yu (National University of Singapore, Singapore) "A regulator required for florigen transport"
11:53 am - 11:55 am	Discussion
11:55 am - 12:03 pm	Dong Wang (Stanford Univ., USA) "Legume DNF2 is Required for the Intracellular Symbiosis with Nitrogen-fixing Rhizobia"
12:03 pm - 12:05 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	What are the Limits of Plant Genetics/Plant Breeding?
	Discussion Leader: Simon Chan (UC-Davis, CA, USA)
7:30 pm - 7:55 pm	Rob Dirks (Rijk Zwaan, Netherlands) "Plant Breeding Reversed: The making and use of chromosome substitution lines"
7:55 pm - 8:05 pm	Discussion
8:05 pm - 8:30 pm	Simon Chan (UC-Davis, CA, USA) "Chromosome engineering: power tools for plant genetics"
8:30 pm - 8:40 pm	Discussion
8:40 pm - 9:05 pm	Dan Voytas (University of Minnesota, Saint Paul, MN, USA) "Precise engineering of plant genomes with sequence-specific nucleases"
9:05 pm - 9:10 pm	Discussion
9:10 pm - 9:18 pm	Magdy Mahfouz (KAUST, Saudi Arabia) "Cracking the Code of the DNA Binding Specificity of <i>Ralstonia</i> TAL-like Effectors"
9:18 pm - 9:20 pm	Discussion
9:20 pm - 9:28 pm	Kamil Witek (Sainsbury, UK) "R gene enrichment sequencing (RenSeq) - a quick method to detect polymorphisms co-segregating with functional resistance gene alleles in <i>Solanum</i> species"

9:28 pm - 9:30 pm Discussion

9:30 pm Social

FRIDAY

7:30 am - 8:30 am Breakfast

9:00 am Departure

Plant Molecular Biology (2012)

Name	Organization	Participation	Status
ABE, YUKI	FUKUI PREFECTURAL UNIVERSITY	Attendee	Registered
ABRAHAM JUAREZ, MARIA JAZMIN	CINVESTAV Irapuato	Poster Presenter	Registered
AKMAKJIAN, GARO	DARTMOUTH COLLEGE	Attendee	Registered
ALABADY, MAGDY S	UNIVERSITY OF ILLINOIS AT URBANA CHAMPAIGN	Poster Presenter	Registered
ANE, JEAN MICHEL	UNIVERSITY OF WISCONSIN	Speaker	Registered
ANTIGNANI, VINCENZO	UNIVERSITY OF MICHIGAN	Poster Presenter	Registered
ASSADI, AMIR H	UW MADISON	Poster Presenter	Registered
ATTARAN, ELHAM	MICHIGAN STATE UNIVERSITY	Poster Presenter	Registered
BAERENFALLER, KATJA	ETH ZURICH	Speaker	Registered
BAKER, BARBARA J	UC BERKELEY	Poster Presenter	Registered
BASU, SUPRATIM	UNIVERSITY OF ARKANSAS	Poster Presenter	Registered
BAYLIS, TAMMY	SIMON FRASER UNIVERSITY	Poster Presenter	Registered
BAZIN, JÉRÉMIE	CNRS	Poster Presenter	Registered
BIRKE, HANNAH	CENTRE FOR ORGANISMAL STUDIES	Poster Presenter	Registered
BOERNKE, FREDERIK	UNIVERSITY ERLANGEN-NUREMBERG	Poster Presenter	Registered
BONAWITZ, NICHOLAS D	PURDUE UNIVERSITY	Poster Presenter	Registered
BRIGGS, STEVEN P	UNIVERSITY OF CALIFORNIA SAN DIEGO	Vice Chair	Registered
CALVINO, MARTIN	RUTGERS UNIVERSITY	Poster Presenter	Registered
CECCHINI, NICOLAS M	THE UNIVERSITY OF CHICAGO	Poster Presenter	Registered
CHEN, SIXUE	UNIVERSITY OF FLORIDA	Poster Presenter	Registered
CHETTOOR, ANTONY M	CARNEGIE INSTITUTION FOR SCIENCE	Poster Presenter	Registered
CHOI, JEONGMIN	UNIVERSITY OF MISSOURI	Poster Presenter	Registered
CHORY, JOANNE	SALK INSTITUTE	Discussion Leader	Registered
CHUDALAYANDI, SIVANANDAN	IOWA STATE UNIVERSITY	Poster Presenter	Registered
CHUNG, HOO SUN	HARVARD MEDICAL SCHOOL/ MASS GENERAL HOSPITAL	Attendee	Registered
CLAY, NICOLE K	YALE UNIVERSITY	Poster Presenter	Registered
COLOT, VINCENT	INSTITUT DE BIOLOGIE DE L'ECOLE NORMALE SUPÉRIEURE	Speaker	Registered

CULLIS, CHRISTOPHER A	CASE WESTERN RESERVE UNIVERSITY	Poster Presenter	Registered
CUTLER, SEAN	UNIVERSITY OF CALIFORNIA- RIVERSIDE	Discussion Leader	Registered
DAIGLE, CAROLINE M	INSTITUT DE RECHERCHE EN BIOLOGIE VÉGÉTALE	Poster Presenter	Registered
DELANEY, TERENCE P	THE UNIVERSITY OF VERMONT	Attendee	Registered
DELONG, ALISON	BROWN UNIVERSITY	Poster Presenter	Registered
DELPOZO, OLGA	CSIC	Poster Presenter	Registered
DENG, YAN	IAWA STATE UNIVERSITY	Attendee	Registered
DIRKS, ROB	RIJK ZWAAN BREEDING B.V.	Speaker	Registered
DONG, XINNIAN	DUKE UNIVERSITY	Speaker	Registered
ECKER, JOSEPH R	HOWARD HUGHES MEDICAL INSTITUTE, SALK INSTITUTE	Discussion Leader	Registered
EGUEN, TENAI E	UNIVERSITY OF CALIFORNIA, SAN DIEGO	Poster Presenter	Registered
ESTELLE, MARK	UNIVERSITY OF CALIFORNIA-SAN DIEGO	Discussion Leader	Registered
FACETTE, MICHELLE R	UC SAN DIEGO	Poster Presenter	Registered
FRIEDMAN, HAYA	VOLCANI CENTER	Poster Presenter	Registered
FU, ZHENGQING	DUKE UNIVERSITY	Poster Presenter	Registered
FURUCHI, NAOTAKA	NIIGATA U	Poster Presenter	Registered
GARROCHO-VILLEGAS, VERÓNICA	UNIVERSIDAD NACIONAL AUTONOMA DE MEXICO	Poster Presenter	Registered
GOOSSENS, ALAIN	VIB - UNIVERSITY OF GENT	Speaker	Registered
GRAY, WILLIAM M	UNIVERSITY OF MINNESOTA	Poster Presenter	Registered
GUAN, DIAN	JOHN INNES CENTRE	Poster Presenter	Registered
GUERINOT, MARY LOU	DARTMOUTH COLLEGE	Discussion Leader	Registered
HALL, TIMOTHY C.	TEXAS A&M UNIVERSITY	Poster Presenter	Registered
HANDWERTGER, KORIE E	CELL REPORTS/CELL PRESS	Attendee	Registered
HARPER, JEFFREY F	UNIVERSITY OF NEVADA, RENO	Poster Presenter	Registered
HARRIS, JEANNE M	UNIVERSITY OF VERMONT	Poster Presenter	Registered
HARUTA, MIYOSHI	UNIVERSITY OF WISCONSIN-MADISON	Poster Presenter	Registered
HE, SHENG YANG	MICHIGAN STATE UNIV	Speaker	Registered
HEESE, ANTJE	UNIVERSITY OF MISSOURI	Speaker	Registered
HELLER, WADE P	USDA-ARS, PACIFIC BASIN AGRICULTURAL RESEARCH CTR	Poster Presenter	Registered
HÖLL, JANINE	CENTRE FOR ORGANISMAL STUDIES (COS)	Poster	Registered

			Presenter
HUFFAKER, ALISA	USDA-ARS CMAVE	Speaker	Registered
HUNT, ARTHUR G	UNIVERSITY OF KENTUCKY	Poster Presenter	Registered
IGLESIAS, ALBERTO A	INSTITUTO AGROBIOTEC LITORAL (UNL-CONICET)	Poster Presenter	Registered
ISHIBASHI, NANAKO	NAGOYA UNIVERSITY	Poster Presenter	Registered
IWASAKI, YUKIMOTO	FUKUI PREFECTURAL UNIVERSITY	Poster Presenter	Registered
JELENSKA, JOANNA	UNIVERSITY OF CHICAGO	Poster Presenter	Registered
JIANG, KUN	UNC-CHAPEL HILL	Poster Presenter	Registered
JOHNSON, RUSSELL R	COLBY COLLEGE	Poster Presenter	Registered
JONES, ALAN M	UNIVERSITY OF NORTH CAROLINA	Speaker	Registered
JONES, ALEXANDER M	CARNEGIE INSTITUTION FOR SCIENCE	Poster Presenter	Registered
JU, CHUANLI	UNIVERSITY OF MARYLAND	Poster Presenter	Registered
KAMEOKA, HIROMU H	THE UNIVERSITY OF TOKYO	Poster Presenter	Registered
KARVE, ABHIJIT A	BROOKHAVEN NATIONAL LABORATORY	Poster Presenter	Registered
KERTBUNDIT, SUNEE	TEXAS A&M UNIVERSITY	Poster Presenter	Registered
KNOWLTON, ANNE L	CURRENT BIOLOGY	Attendee	Registered
KOVACS, SANDOR	SCIENCE UNIVERSITY OF PECS FACULTY OF SCIENCE (PTE)	Poster Presenter	Registered
KOZAKI, AKIKO	SHIZUOKA UNIVERSITY	Poster Presenter	Registered
KRISTENSEN, ASTRID	UNIVERSITY OF COPENHAGEN, FACULTY OF LIFE SCIENCES	Poster Presenter	Registered
LAUXMANN, MARTIN A	MAX PLANCK INSTITUTE OF MOLECULAR PLANT PHYSIOLOGY	Poster Presenter	Registered
LAWRENCE, STACEY A	YALE UNIVERSITY	Poster Presenter	Registered
LEE, TZUU-FEN	UNIVERSITY OF DELAWARE	Poster Presenter	Registered
LEFEBVRE, BENOIT	INRA-CNRS	Poster Presenter	Registered
LENKA, SANGRAM K	UNIVERSITY OF MASSACHUSETTS AMHERST	Poster Presenter	Registered
LEVINE, ALEX	THE HEBREW UNIVERSITY OF JERUSALEM	Poster Presenter	Registered
LI, LING	IOWA STATE UNIVERSITY	Poster Presenter	Registered
LI, LEI	MASSACHUSETTS GENERAL HOSPITAL	Attendee	Registered
LI, BO	AUSTRALIAN CENTRE FOR PLANT FUNCTIONAL GENOMICS	Poster Presenter	Registered
LIPUT, MAGDALENA	MAX PLANCK INSTITUTE FOR MOLECULAR	Poster	Registered

	PLANT PHYSIOLOGY	Presenter	
LIU, TIE	CARNEGIE INSTITUTION STANFORD UNIVERSITY	Poster Presenter	Registered
LIU, ZHONGCHI	UNIVERSITY OF MARYLAND	Poster Presenter	Registered
LUYPAERT, GIL K	INSTITUTE FOR AGRICULTURAL AND FISHERIES RESEARCH	Poster Presenter	Registered
MACHO, ALBERTO P	THE SAINSBURY LABORATORY	Poster Presenter	Registered
MARTIENSSSEN, ROBERT	COLD SPRING HARBOR LABORATORY	Speaker	Registered
MARTIN, BARRY A	SYNGENTA AG	Attendee	Registered
MATHEWS, DENNIS E	UNIVERSITY OF NEW HAMPSHIRE	Poster Presenter	Registered
MATSUMURA, YOKO	NAGOYA UNIVERSITY	Poster Presenter	Registered
MAZANEK, ZACHARY	ST. BONAVENTURE UNIVERSITY	Attendee	Registered
MCCRAY, TYRA N	YALE UNIVERSITY	Attendee	Registered
MCGRATH, J. MITCHELL	USDA-ARS AND MICHIGAN STATE UNIVERSITY	Poster Presenter	Registered
MCKENDREE, WILLIAM L	AIR FORCE TECHNICAL APPLICATIONS CENTER	Attendee	Registered
MENKE, FRANK LH	UTRECHT UNIVERSITY	Poster Presenter	Registered
MERCHANT, ANDREW	UNIVERSITY OF SYDNEY	Attendee	Registered
MEYERS, REGINA L	MONSANTO	Attendee	Registered
MIHANI, RITU	UNIVERSITY OF ARKANSAS	Poster Presenter	Registered
MINKOFF, BENJAMIN	UNIVERSITY OF WISCONSIN-MADISON	Poster Presenter	Registered
MORESCO, PAUL M	J.R. SIMPLOT COMPANY	Attendee	Registered
MUSZYNSKI, MICHAEL G	IOWA STATE UNIVERSITY	Poster Presenter	Registered
NAGY, AGNES	SCIENCE UNIVERSITY OF PECS	Poster Presenter	Registered
NAM, ERIC H	UNIVERSITY OF TORONTO	Poster Presenter	Registered
NELISSEN, HILDE	VIB/UGENT	Poster Presenter	Registered
NELSON, DAVID C	UNIVERSITY OF GEORGIA	Poster Presenter	Registered
NGO, LINH T	UNIVERSITY OF MISSOURI, COLUMBIA	Attendee	Registered
NIELSEN, ERIK E	UNIVERSITY OF MICHIGAN	Poster Presenter	Registered
OFFRINGA, REMKO	LEIDEN UNIVERSITY	Speaker	Registered
OLDROYD, GILES	JOHN INNES CENTRE	Speaker	Registered
PACHEBAT, JUSTIN A	ABERYSTWYTH UNIVERSITY	Poster Presenter	Registered
PFITZNER, URSULA M	UNIVERSITY OF HOHENHEIM	Poster Presenter	Registered
PIKAARD, CRAIG S	INDIANA UNIVERSITY	Discussion Leader	Registered

PRASAD, KASAVAJHALA V	DUKE UNIVERSITY	Poster Presenter	Registered
QUADRANA, LEANDRO L	IB-CICVYA-INTA CASTELAR	Poster Presenter	Registered
RANGANI, GULAB	UNIVERSITY OF ARKANSAS	Poster Presenter	Registered
RAYAPURAM, CB GOWDA	COPENHAGEN UNIVERSITY	Poster Presenter	Registered
REUBER, LYNNE	MENDEL BIOTECHNOLOGY	Poster Presenter	Registered
RIVAL, PAULINE	CNRS-LABORATORY OF PLANT-MICROBE INTERACTIONS	Poster Presenter	Registered
ROBERT, STEPHANIE Y	SWEDISH UNIVERSITY OF AGRICULTURE SCIENCES (SLU)	Poster Presenter	Registered
ROCK, CHRISTOPHER D	TEXAS TECH UNIVERSITY	Poster Presenter	Registered
RODRIGUES, RACHEL B	UNIVERSITY OF WISCONSIN, MADISON	Poster Presenter	Registered
ROUX, STANLEY J	UNIVERSITY OF TEXAS	Poster Presenter	Registered
SARTOR, RYAN C	UNIVERSITY OF CALIFORNIA SAN DIEGO	Poster Presenter	Registered
SCHERER, GUENTHER F. E.	LEIBNIZ UNIVERSITAET HANNOVER	Poster Presenter	Registered
SCHRAGER, AMANDA V	UC DAVIS	Poster Presenter	Registered
SHEEN, JEN	HARVARD MEDICAL SCHOOL/MASSACHUSETTS GENERAL HOSPI	Speaker	Registered
SMITH, JOHN M	UNIVERSITY OF MISSOURI	Poster Presenter	Registered
SONG, LIANG	SALK INSTITUTE	Poster Presenter	Registered
SPICER, RACHEL	CONNECTICUT COLLEGE	Poster Presenter	Registered
STECKER, KELLY E	UNIVERSITY OF WISCONSIN-MADISON	Poster Presenter	Registered
SUELDO, DANIELA	WAGENINGEN UR	Poster Presenter	Registered
SULLIVAN, MICHAEL L	US DAIRY FORAGE RESEARCH CENTER	Poster Presenter	Registered
SUMNER, LLOYD W	SAMUEL ROBERTS NOBLE FOUNDATION	Speaker	Registered
SUSSMAN, MICHAEL R	UNIVERSITY OF WISCONSIN-MADISON	Chair	Registered
SVISTOONOFF, SERGIO	UMR DIADE	Poster Presenter	Registered
TAN, HAN	UC DAVIS	Attendee	Registered
TANG, JIHONG	METABOLIX	Attendee	Registered
TANG, DINGZHONG	CHINESE ACADEMY OF SCIENCES	Poster Presenter	Registered
TANTIKANJANA, TITIMA	CORNELL UNIVERSITY	Poster Presenter	Registered
TEKLEYOHANS, DAWIT GIRMA	JUSTUS-LIEBIG-UNIVERSITAET GIESSEN	Poster Presenter	Registered

TENA, GUILLAUME	HARVARD MEDICAL SCHOOL / MASS GENERAL HOSPITAL	Poster Presenter	Registered
THOMPSON, ELINOR P	UNIVERSITY OF GREENWICH	Poster Presenter	Registered
VAGHCHHIPAWALA, ZARIR E	MONSANTO COMPANY	Attendee	Registered
VAIN, THOMAS	UMEÅ PLANT SCIENCE CENTRE	Poster Presenter	Registered
VENKATRAMESH, MYLAVARAPU	DOW AGROSCIENCES	Attendee	Registered
VOYTAS, DANIEL F	UNIVERSITY OF MINNESOTA	Speaker	Registered
WALFORD, SALLY A	CSIRO	Poster Presenter	Registered
WALLEY, JUSTIN	UC SAN DIEGO	Poster Presenter	Registered
WANG, XIAOMIN	DARTMOUTH COLLEGE	Poster Presenter	Registered
WANG, DONG	UNIVERSITY OF MASSACHUSETTS AMHERST	Poster Presenter	Registered
WITEK, KAMIL	THE SAINSBURY LABORATORY	Poster Presenter	Registered
WITHERS, JOHN C	MICHIGAN STATE UNIVERSITY	Poster Presenter	Registered
XIONG, YAN	MASSACHUSETTS GENERAL HOSPITAL	Poster Presenter	Registered
YALOVSKY, SHAUL	TEL AVIV UNIVERSITY	Poster Presenter	Registered
YANG, ZHENBIAO	UNIVERSITY OF CALIFORNIA, RIVERSIDE	Speaker	Registered
YE, SONGQING	UNIVERSITY OF MARYLAND	Attendee	Registered
YU, HAO	NATIONAL UNIVERSITY OF SINGAPORE	Poster Presenter	Registered
ZENTELLA, RODOLFO	DUKE UNIVERSITY	Speaker	Registered
ZHANG, XIAO-NING	ST BONAVENTURE UNIVERSITY	Poster Presenter	Registered
ZHANG, CHANG	UNIVERSITY OF VERMONT	Poster Presenter	Registered
ZHANG, SHUQUN	UNIVERSITY OF MISSOURI	Speaker	Registered
ZHAO, DAZHONG	UNIVERSITY OF WISCONSIN-MILWAUKEE	Poster Presenter	Registered
ZHONG, SILIN	BOYCE THOMPSON INSTITUTE CORNELL UNIVERSITY	Poster Presenter	Registered
ZUBO, YAN	DARTMOUTH COLLEGE, LSC	Poster Presenter	Registered

167 Attendees