



Founded in 1931

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

**2009 GORDON RESEARCH CONFERENCE
on PHOTOCHEMISTRY**

FINAL PROGRESS REPORT

DEPARTMENT OF ENERGY
GRANT NO. DE-SC0001732

The Gordon Research Conference on PHOTOCHEMISTRY was held at Bryant University, Smithfield, Rhode Island, July 5-10, 2009. The Conference was well-attended with 107 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 107 attendees, 61 voluntarily responded to a general inquiry regarding ethnicity which appears on our registration forms. Of the 61 respondents, 19% were Minorities – 3% Hispanic, 13% Asian & 3% African America. Approximately 20% 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In designing the formal speakers program, emphasis was placed on current unpublished research and discussion of the future target areas in this field.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 As you know, in the interest of promoting the presentation of unpublished and frontier-breaking research, Gordon Research Conferences does not permit publication of meeting proceedings.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,
Michael Wasielewski, PI & Conference Chairperson
NORTHWESTERN UNIVERSITY

PHOTOCHEMISTRY

July 5-10, 2009
Bryant University
Smithfield, RI
Chair:
Michael Wasielewski

Vice Chair:
Cornelia Bohne

The impact of photochemistry on diverse fields ranging from materials and environmental science to biology and medicine has never been greater. The 2009 Gordon Conference on Photochemistry will highlight recent advances in these key areas while also presenting the latest research on new photochemical reactions and mechanistic studies. Session topics will include: development of new chromophores, light harvesting materials, solar energy conversion, photocontrolled biomolecules, light-triggered amplification reactions, and advanced bioimaging techniques. The Conference will continue its 45 year history of promoting interactions between fundamental and applied scientists, a hallmark of the Gordon Conferences. In addition, oral presentations, poster sessions and informal discussions will provide opportunities for junior scientists and students to present their own work and discuss their results with leaders in the field. Applicants to the Conference are encouraged to submit abstracts for poster presentations in order to gain visibility and feedback on their research. In addition, a number of poster abstracts will be selected for presentation as short talks. The conference chairs (Michael Wasielewski, m-wasielewski@northwestern.edu and Bruce Armitage, army@cmu.edu) can be contacted with questions relating to the program and poster sessions and look forward to an engaging and dynamic conference.

SUNDAY

2:00 pm - 9:00 pm Arrival and Check-in ([Office Closed 6:00 pm - 7:00 pm](#))
6:00 pm Dinner

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| 7:30 pm - 7:40 pm | Welcome / Introductory Comments by GRC Site Staff |
| 7:40 pm - 9:30 pm | SOLAR ENERGY CONVERSION |
| | Discussion Leader: Ana Moore (Arizona State University) |
| 7:40 pm - 8:10 pm | Leif Hammarström (Uppsala University) "Controlling Electron Transfer for Artificial Photosynthesis" |
| 8:10 pm - 8:20 pm | Discussion |
| 8:20 pm - 8:50 pm | Devens Gust (Arizona State University) "Photochromic Control of Photochemical Processes: From Photosynthesis to Molecule-Based Signal Transduction" |
| 8:50 pm - 9:00 pm | Discussion |
| 9:00 pm - 9:20 pm | Emily Weiss (Northwestern University) "The Surface Chemistry of Colloidal Semiconductor Nanocrystals" |
| 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 | REACTIONS AND MECHANISMS (In Memory of N.C. Yang) |
| | Discussion Leader: Anthony Trozzolo (University of Notre Dame) |
| 9:00 am - 9:30 am | Samir Farid (University of Rochester) "Quantum Amplification via an Adiabatic Triplet Reaction" |
| 9:30 am - 9:40 am | Discussion |
| 9:40 am - 10:10 am | Andrei Kutateladze (University of Denver) "Detection and Massive Photoamplification of Molecular Recognition Events" |
| 10:10 am - 10:20 am | Discussion |
| 10:20 am - 10:40 am | Coffee Break |
| 10:40 am - 11:10 am | Igor Alabugin (Florida State University) "The Many Faces of Alkyne Photochemistry" |
| 11:10 am - 11:20 am | Discussion |
| 11:20 am - 11:50 am | Willie Leigh (McMaster University) "Group 14 Reactive Intermediates. Photochemical Methods for the Study of Silylenes, Germynes and Stannylenes - the Heavy Cousins of Singlet Carbenes" |
| 11:50 am - 12:00 pm | Discussion |
| 12:00 pm - 12:15 pm | Deepak Shukla (Eastman Kodak Co.) "Chain Amplification in Photoreactions of N-alkoxypyridinium Salts in the Presence of Bases" |

12:15 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

SUPRAMOLECULAR PHOTOCHEMISTRY

Discussion Leader: **Linda Shimizu** (University of South Carolina)
7:30 pm - 8:10 pm **J. Fraser Stoddart** (Northwestern University)
"Light-Gated STOP-GO Molecular Shuttles and Shuttles"
8:10 pm - 8:25 pm Discussion
8:25 pm - 9:05 pm **Frank Würthner** (University of Würzburg)
"Dye Assemblies for Supramolecular Electronics and Photovoltaics"
9:05 pm - 9:20 pm Discussion

TUESDAY

7:30 am - 8:30 am Breakfast
9:00 am - 12:30 pm

BIOLOGICAL PHOTOCHEMISTRY AND IMAGING

Discussion Leader: **Sarah Schmidtke** (College of Wooster)
9:00 am - 9:30 am **Linda Johnston** (National Research Council - Steacie Institute for Molecular Sciences)
"Fluorescence Imaging and Dynamics on the Nanoscale"
9:30 am - 9:40 am Discussion
9:40 am - 10:10 am **Alexander Deiters** (North Carolina State University)
"Photochemical Regulation of Gene Expression"
10:10 am - 10:20 am Discussion
10:20 am - 10:40 am Coffee Break
10:40 am - 11:10 am **Bern Kohler** (Ohio State University)
"UV Photoproduct Formation in Free and Nucleosomal DNA"
11:10 am - 11:20 am Discussion
11:20 am - 11:50 am **Dmitry Matyushov** (Arizona State University)
"Energetics of Protein Charge Transfer and Bacterial Photosynthesis"
11:50 am - 12:00 pm Discussion
12:00 pm - 12:15 pm **Cristian Strassert** (Westfälische Wilhelms-Universität Münster)
"Photoactive Hybrid Nanomaterials For Targeting, Labeling And Killing Antibiotic Resistant Bacteria"
12:15 pm - 12:20 pm Discussion
12:30 pm Lunch
1:30 pm - 4:00 pm Free Time

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| 4:00 pm - 6:00 pm | Poster Session |
| 6:00 pm | Dinner |
| 7:30 pm - 9:30 pm | SINGLE MOLECULE PHOTOCHEMISTRY |
| | Discussion Leader: Jason Kahn (University of Maryland) |
| 7:30 pm - 8:00 pm | Marcel Bruchez (Carnegie Mellon University) "Photorobust and Regularly Blinking Fluorogen-Activating Peptides for Super-resolution Imaging" |
| 8:00 pm - 8:10 pm | Discussion |
| 8:10 pm - 8:40 pm | Johan Hofkens (KU Leuven) "Performant Dyes for Demanding Microscopy Applications" |
| 8:40 pm - 8:50 pm | Discussion |
| 8:50 pm - 9:20 pm | Dongho Kim (Yonsei University) "Excitation Energy Delocalization Processes of Various Porphyrin Arrays Probed by Single Molecule Fluorescence Spectroscopy" |
| 9:20 pm - 9:30 pm | Discussion |

WEDNESDAY

| | |
|---------------------|---|
| 7:30 am - 8:30 am | Breakfast |
| 9:00 am - 12:30 pm | SPECTROSCOPY AND DYNAMICS |
| 9:00 am - 9:30 am | Discussion Leader: Torsten Fiebig (Boston College) |
| 9:30 am - 9:40 am | David McCamant (University of Rochester) "Ultrafast Electronic and Vibrational Spectroscopy of Charge Transfer Compounds" |
| 9:40 am - 10:10 am | Discussion |
| 10:10 am - 10:20 am | Lin Chen (Argonne National Laboratories) "Structural Dynamics of Transition Metal Complexes for Solar Energy Conversion" |
| 10:20 am - 10:40 am | Coffee Break |
| 10:40 am - 11:10 am | David Jonas (University of Colorado) "Nonadiabatic Electronic Dynamics at Conical Funnels and in Quantum Dots" |
| 11:10 am - 11:20 am | Discussion |
| 11:20 am - 11:50 am | Niels Damrauer (University of Colorado) "Manipulating Electron Transfer Phenomena through Structure and Quantum Control" |
| 11:50 am - 12:00 pm | Discussion |
| 12:00 pm - 12:15 pm | Karen Mulfort (Argonne National Laboratory) "Correlating ground and excited-state solution X-ray structures with |

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| | ultrafast transient optical spectroscopy for cobaloxime-based H ₂ photocatalysts" |
| 12:15 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 | |

SPIN EFFECTS IN PHOTOCHEMISTRY

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|-------------------|--|
| | Discussion Leader: Tijana Rajh (Argonne National Laboratories) |
| 7:30 pm - 8:00 pm | Christiane Timmel (University of Oxford) "A Bird's Eye View of Molecular Compasses" |
| 8:00 pm - 8:10 pm | Discussion |
| 8:10 pm - 8:40 pm | David Shultz (North Carolina State University) "A Lecture in Two Parts: I. Electronic Coupling in Donor-Acceptor Biradicals. II. Photo-switchable Valence Tautomers" |
| 8:40 pm - 8:50 pm | Discussion |
| 8:50 pm - 9:20 pm | Malcolm Forbes (University of North Carolina) "Proton-Coupled Electron Transfer Reactions: The Radicals Behind the Ru(bpy) ₃ " |
| 9:20 pm - 9:30 pm | Discussion |

THURSDAY

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|--------------------|-----------|
| 7:30 am - 8:30 am | Breakfast |
| 9:00 am - 12:30 pm | |

MATERIALS PHOTOCHEMISTRY

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| | Discussion Leader: Pavel Anzenbacher (Bowling Green State University) |
| 9:00 am - 9:30 am | Uwe Bunz (Georgia Institute of Technology) "Cruciform Fluorophores in Blue, Green and Yellow" |
| 9:30 am - 9:40 am | Discussion |
| 9:40 am - 10:10 am | Elizabeth Harbron (College of William and Mary) "Photoswitchable Conjugated Polymer Nanoparticles" |
| 10:10 am - 10:20 am | Discussion |
| 10:20 am - 10:40 am | Coffee Break |
| 10:40 am - 11:10 am | Dirk Guldi (University Nürnberg-Erlangen) "Carbon Nanostructures - Supramolecular Approach to Power Solar Energy Conversion" |
| 11:10 am - 11:20 am | Discussion |
| 11:20 am - 11:50 am | Thuc-Quyen Nguyen (University of California at Santa Barbara) "Organic Semiconducting Nanostructures for Solar Energy Conversion" |
| 11:50 am - 12:00 pm | Discussion |

12:00 pm - 12:15 pm **Jye-Shane Yang** (National Taiwan University)
"Pentiptycene-Derived Oligo(p-phenyleneethynylene)s: Conformation, Chain-Length Effect, and Intrachain Energy transfer"

12:15 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

7:00 pm - 7:30 pm Business Meeting
(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 **FRONTIERS OF PHOTOCHEMISTRY**

Discussion Leader: **Francisco Raymo** (University of Miami)

7:30 pm - 8:10 pm **Klaus Hahn** (University of North Carolina)

8:10 pm - 8:30 pm Discussion

8:30 pm - 9:10 pm **Valentina Emiliani** (University of Paris-Descartes)
"Good Shape Photolysis"

9:10 pm - 9:30 pm Discussion

FRIDAY

7:30 am - 8:30 am Breakfast

9:00 am Departure

Photochemistry (2009)

| Name | Organization | Participation | Status |
|-------------------------|---|-------------------|------------|
| ACHARYA, JIBA RAJ | LOUISIANA STATE UNIVERSITY | Poster Presenter | Registered |
| ALABUGIN, IGOR V | FLORIDA STATE UNIVERSITY | Speaker | Registered |
| ALEMAN, ELVIN | WAYNE STATE UNIVERSITY/NSF | Poster Presenter | Registered |
| ANZENBACHER, PAVEL | BOWLING GREEN STATE UNIVERSITY | Discussion Leader | Registered |
| ARMITAGE, BRUCE A | CARNEGIE MELLON UNIVERSITY | Chair | Registered |
| BASARIC, NIKOLA | RUDJER BOSKOVIC INSTITUTE | Poster Presenter | Registered |
| BAUMANN, CHRISTOPHER A. | UNIVERSITY OF SCRANTON | Poster Presenter | Registered |
| BILLONE, PAUL S | UNIVERSITY OF OTTAWA | Poster Presenter | Registered |
| BOHNE, CORNELIA | UNIVERSITY OF VICTORIA | Vice Chair | Registered |
| BRUCHEZ, MARCEL P | CARNEGIE MELLON UNIVERSITY | Speaker | Registered |
| BUNZ, UWE | GEORGIA INSTITUTE OF TECHNOLOGY | Speaker | Registered |
| CERONI, PAOLA | UNIVERSITY OF BOLOGNA | Poster Presenter | Registered |
| CHEN, LIN X | ARGONNE NAT'L LAB/NORTHWESTERN U. | Speaker | Registered |
| CLARK, TRAVIS B | UNIVERSITY OF MICHIGAN | Poster Presenter | Registered |
| COHEN, BRIAN W | BROOKHAVEN NATIONAL LAB | Poster Presenter | Registered |
| COSA, GONZALO | MCGILL UNIVERSITY | Poster Presenter | Registered |
| DA SILVA, JOSE PAULO | UNIVERSITY OF ALGARVE | Poster Presenter | Registered |
| DAMRAUER, NIELS H | UNIVERSITY OF COLORADO | Speaker | Registered |
| DEITERS, ALEXANDER | NORTH CAROLINA STATE UNIVERSITY | Speaker | Registered |
| DJUROVICH, PETER I | UNIVERSITY OF SOUTHERN CALIFORNIA | Poster Presenter | Registered |
| EL-KHOULY, MOHAMED E. | OSAKA UNIVERSITY | Poster Presenter | Registered |
| FARID, SAMIR | UNIVERSITY OF ROCHESTER | Speaker | Registered |
| FIEBIG, TORSTEN | BOSTON COLLEGE | Discussion Leader | Registered |
| FLYNN, DANIEL C | UNIVERSITY OF MICHIGAN | Poster Presenter | Registered |
| FORBES, MALCOLM D.E. | UNIVERSITY OF NORTH CAROLINA | Speaker | Registered |
| FRANK, NATIA L | UNIVERSITY OF VICTORIA | Poster Presenter | Registered |
| GIVENS, RICHARD S. | UNIVERSITY OF KANSAS | Attendee | Registered |
| GOMES, PAULO J. S. | CHEMISTRY DEPARTEMNT OF UNIVERSITY OF COIMBRA | Poster Presenter | Registered |
| GRIMM, BRUNO | UNIVERSITY OF ERLANGEN | Poster Presenter | Registered |
| GROZEMA, FERDINAND C | DELTU UNIVERSITY OF TECHNOLOGY | Poster Presenter | Registered |
| GULDI, DIRK M | UNIVERSITY OF ERLANGEN-NUERNBERG | Speaker | Registered |
| GUST, DEVENS | ARIZONA STATE UNIVERSITY | Speaker | Registered |
| HAHN, KLAUS M | UNIVERSITY OF NORTH CAROLINA, CHAPEL HILL | Speaker | Registered |
| HAMMARSTROM, LEIF | UPPSALA UNIVERSITY | Speaker | Registered |
| HARBRON, ELIZABETH J | COLLEGE OF WILLIAM & MARY | Speaker | Registered |
| HARIHARAN, MAHESH | NORTHWESTERN UNIVERSITY | Poster Presenter | Registered |
| HOBLEY, JONATHAN | INSTITUTE OF MATERIALS RESEARCH & ENGINEERING | Poster Presenter | Registered |
| HOFKENS, JOHAN | KU LEUVEN BE419052173 | Speaker | Registered |
| HORNER, MICHAEL G | PERFORMANCE INDICATOR LLC | Attendee | Registered |
| HWANG, EUIYONG | LOUISIANA STATE UNIVERSITY | Poster Presenter | Registered |
| JAYARAJ, NITHYANANDHAN | UNIVERSITY OF MIAMI | Poster Presenter | Registered |
| JAYARAMAN, SIVAGURU | NORTH DAKOTA STATE UNIVERSITY | Poster Presenter | Registered |
| JOCKUSCH, STEFFEN | COLUMBIA UNIVERSITY NEW YORK | Poster Presenter | Registered |
| JOHNSTON, LINDA | NATIONAL RESEARCH COUNCIL CANADA | Speaker | Registered |
| JONAS, DAVID M | UNIVERSITY OF COLORADO | Speaker | Registered |
| JONES, PAUL B | WAKE FOREST UNIVERSITY | Poster Presenter | Registered |
| KAHN, JASON D | UNIVERSITY OF MARYLAND | Discussion Leader | Registered |

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|---------------------------|---|-------------------|------------|
| KIM, DONGHO | YONSEI UNIVERSITY | Speaker | Registered |
| KOHLER, BERN | MONTANA STATE UNIVERSITY | Speaker | Registered |
| KUMAR, CHALLA V | UNIVERSITY OF CONNECTICUT | Poster Presenter | Registered |
| KUTATELADZE, ANDREI G | UNIVERSITY OF DENVER | Speaker | Registered |
| LANDGRAF, STEPHAN | GRAZ UNIVERSITY OF TECHNOLOGY | Poster Presenter | Registered |
| LEAR, BENJAMIN J | OHIO STATE UNIVERSITY | Poster Presenter | Registered |
| LEIGH, WILLIAM J | MCMASTER UNIVERSITY | Speaker | Registered |
| LEWIS, FREDERICK D | NORTHWESTERN UNIVERSITY | Poster Presenter | Registered |
| LOCKARD, JENNY V | ARGONNE NATIONAL LAB | Poster Presenter | Registered |
| LOPPNOW, GLEN R | UNIVERSITY OF ALBERTA | Poster Presenter | Registered |
| MATYUSHOV, DMITRY | ARIZONA STATE UNIVERSITY | Speaker | Registered |
| MCCAMANT, DAVID W | UNIVERSITY OF ROCHESTER | Speaker | Registered |
| MENKE, JESSICA L. | UNIVERSITY OF WISCONSIN-MADISON | Poster Presenter | Registered |
| MEYER, GERALD J | JOHNS HOPKINS UNIVERSITY | Vice Chair | Registered |
| MOORE, ANA L | ARIZONA STATE UNIVERSITY | Discussion Leader | Registered |
| MORI, TADASHI | OSAKA UNIVERSITY | Poster Presenter | Registered |
| MOSCATELLI, ALBERTO | CARNEGIE MELLON UNIVERSITY | Poster Presenter | Registered |
| MULFORT, KAREN L | ARGONNE NATIONAL LABORATORY | Poster Presenter | Registered |
| NESTEROV, EVGUENI E | LOUISIANA STATE UNIVERSITY | Poster Presenter | Registered |
| NGUYEN, QUYEN T | UNIVERSITY OF CALIFORNIA, SANTA BARBARA | Speaker | Registered |
| PETERSSON, JONAS | UPPSALA UNIVERSITET | Poster Presenter | Registered |
| PISCHEL, UWE | UNIVERSITY OF HUELVA | Poster Presenter | Registered |
| RACHFORD, AARON A | BOWLING GREEN STATE UNIVERSITY | Poster Presenter | Registered |
| RACK, JEFFREY J | OHIO UNIVERSITY | Poster Presenter | Registered |
| RAJH, TIJANA | ARGONNE NATIONAL LABORATORY | Discussion Leader | Registered |
| RAMAMURTHY, VAIDHYANATHA | UNIVERSITY OF MIAMI | Poster Presenter | Registered |
| RATHORE, RAJENDRA | MARQUETTE UNIVERSITY | Poster Presenter | Registered |
| RATTRAY, NICHOLAS J.W | THE UNIVERSITY OF MANCHESTER UK | Poster Presenter | Registered |
| RAYMO, FRANCISCO M | UNIVERSITY OF MIAMI | Discussion Leader | Registered |
| RENE-BOISNEUF, LAETITIA T | UNIVERSITY OF OTTAWA | Poster Presenter | Registered |
| RINCO, OLGA | LUTHER COLLEGE | Poster Presenter | Registered |
| SALTIEL, JACK | FLORIDA STATE UNIVERSITY | Poster Presenter | Registered |
| SCHMIDTKE, SARAH J | COLLEGE OF WOOSTER | Discussion Leader | Registered |
| SHARMA, ARCHNA | UNIVERSITY OF COIMBRA, COIMBRA, PORTUGAL | Poster Presenter | Registered |
| SHE, CHUNXING | ARGONNE NATIONAL LABORATORY | Poster Presenter | Registered |
| SHIMIZU, LINDA S | UNIVERSITY OF SOUTH CAROLINA | Discussion Leader | Registered |
| SHUKLA, DEEPAK | EASTMAN KODAK COMPANY | Poster Presenter | Registered |
| SHULTZ, DAVID A | NC STATE UNIVERSITY | Speaker | Registered |
| SILVI, SERENA | UNIVERSITA' DI BOLOGNA | Poster Presenter | Registered |
| SINGH-RACHFORD, TANYA N | BOWLING GREEN STATE UNIVERSITY | Poster Presenter | Registered |
| STODDART, J.FRASER | NORTHWESTERN UNIVERSITY | Speaker | Registered |
| STRASSERT, CRISTIAN A. | WESTFAELISCHE WILHELMSS-UNIVERSITAET MUENSTER | Poster Presenter | Registered |
| SUNDARESAN, ARUN KUMAR | COLUMBIA UNIVERSITY | Poster Presenter | Registered |
| SZARKO, JODI M | NORTHWESTERN UNIVERSITY | Poster Presenter | Registered |
| THOMAS, MARLON S | UNIVERSITY OF CALIFORNIA, RIVERSIDE | Poster Presenter | Registered |
| TIMMEL, CHRISTIANE R | UNIVERSITY OF OXFORD | Speaker | Registered |
| TOMASULO, MASSIMILIANO | PPG INDUSTRIES | Attendee | Registered |
| TURRO, NICHOLAS J | COLUMBIA UNIVERSITY | Attendee | Registered |

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| VULLEV, VALENTINE I | UNIVERSITY OF CALIFORNIA, RIVERSIDE | Poster Presenter | Registered |
| WANG, JIMMY | NATIONAL SUN YAT-SEN UNIVERSITY | Poster Presenter | Registered |
| WANG, XIANGHUI | BOWLING GREEN STATE UNIVERSITY | Poster Presenter | Registered |
| WASIELEWSKI, MICHAEL R | NORTHWESTERN UNIVERSITY | Chair | Registered |
| WEISS, EMILY A | NORTHWESTERN UNIVERSITY | Speaker | Registered |
| WILSON, R. MARSHALL | BOWLING GREEN STATE UNIVERSITY | Poster Presenter | Registered |
| WURTHNER, FRANK | UNIVERSITY OF WUERZBURG | Speaker | Registered |
| YANG, WANG-YONG | FLORIDA STATE UNIVERSITY | Poster Presenter | Registered |
| YANG, JYE-SHANE | NATIONAL TAIWAN UNIVERSITY | Poster Presenter | Registered |
| YARON, DAVID J | CARNEGIE MELLON UNIVERSITY | Poster Presenter | Registered |
| ZAMADAR, MATIBUR R | THE CITY UNIVERSITY OF NEW YORK | Poster Presenter | Registered |
| ZIMMERMAN, HOWARD E | UNIVERSITY OF WISCONSIN | Poster Presenter | Registered |