

founded in 1931

GORDON RESEARCH CONFERENCES *frontiers of science*

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

**2013 GORDON RESEARCH CONFERENCE & SEMINAR
on PLANT LIPIDS: STRUCTURE, METABOLISM & FUNCTION**

FINAL PROGRESS REPORT

DEPARTMENT OF ENERGY
GRANT NO. DE-SC0009250

The Gordon Research Conference on **PLANT LIPIDS: STRUCTURE, METABOLISM & FUNCTION** was held at The Hotel Galvez, Galveston, Texas, January 27-February 1, 2013. The Conference was well-attended with 151 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 151 attendees, 57 voluntarily responded to a general inquiry regarding ethnicity which appears on our registration forms. Of the 57 respondents, 32% were Minorities –0% Hispanic, 28% Asian and 4% African American. Approximately 35% of the participants at the 2013 meeting were women.

The Gordon Research Seminar on **PLANT LIPIDS: STRUCTURE, METABOLISM & FUNCTION** was held at The Hotel Galvez, Galveston, Texas, January 26-February 27, 2013. The Seminar was well-attended with 47 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 47 attendees, 18 voluntarily responded to a general inquiry regarding ethnicity which appears on our registration forms. Of the 18 respondents, 34% were Minorities –0% Hispanic, 28% Asian and 6% African American. Approximately 51% of the participants at the 2013 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In designing the formal speakers program, emphasis was placed on current unpublished research and discussion of the future target areas in this field.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,
Ruth Welti, Conference Chairperson
KANSAS STATE UNIVERSITY
Hieu Sy "Danny" Vu, Seminar Chairperson
KANSAS STATE UNIVERSITY

Plant Lipids: Structure, Metabolism & Function
January 27 - February 1, 2013
Hotel Galvez
Galveston, TX
Chairs:
Ruth Welti & Edgar Cahoon

Vice Chairs:
Glenda Gillaspay & Xuemin (Sam) Wang

Related Meeting Information

The Plant Lipids: Structure, Metabolism & Function Gordon Research Conference was held in conjunction with the **Plant Lipids: Structure, Metabolism & Function Gordon Research Seminar**. Please refer to the Plant Lipids: Structure, Metabolism & Function GRS web page for more information.

The third Gordon Research Conference on "Plant Lipids: Structure, Metabolism, and Function" promises to be an exciting event where the latest research on plant lipids is presented and discussed. For the first time, the conference will be preceded by a **Gordon Research Seminar on Plant Lipids**, providing excellent opportunities for graduate students and postdoctoral researchers to share research, to develop research and social networks in a supportive environment, and to discuss careers and mentoring. We encourage young scientists to participate in the Gordon Research Seminar, and we encourage broad participation in the Gordon Research Conference. Presenters will discuss the latest advances in plant and algal lipid metabolism, oil synthesis, lipid signaling, lipid visualization, lipid biotechnology and its applications, the physiological and developmental roles of lipids, and plant lipids in health. The conference will be a great chance for old and new members of the international plant lipid research community to interact. Applications to attend this conference are open to all researchers interested in plant lipids.

Contributors





SUNDAY

4:00 pm - 8:00 pm	Arrival and Check-in (Office Closed 6:00 pm - 7:45 pm)
6:00 pm	Dinner
7:30 pm - 7:40 pm	Welcome / Introductory Comments by GRC Site Staff
7:40 pm - 9:30 pm	Producing Nutritional Lipids
7:40 pm - 7:45 pm	Discussion Leader: Basil Nikolau (Iowa State University)
7:45 pm - 8:10 pm	Dean DellaPenna (Michigan State University) "Integrating genomics and quantitative genetics to understand lipid soluble vitamin synthesis in plants"
8:10 pm - 8:20 pm	Discussion
8:20 pm - 8:45 pm	Joaquín J. Salas (Instituto de la Grasa, CSIC, Seville, Spain) "New healthy fats based on high stearic sunflower oil"
8:45 pm - 8:55 pm	Discussion
8:55 pm - 9:20 pm	Olga Sayanova (Rothamsted Research) "Omega-3 long chain polyunsaturated fatty acids: alternative sources of"

production"
9:20 pm - 9:30 pm Discussion

MONDAY

7:30 am - 8:30 am Breakfast

8:30 am Group Photo

9:00 am - 9:50 am **Special Session: Metabolic biochemistry in the next decade**

9:00 am - 9:05 am Introductory Remarks

9:05 am - 9:35 am **Yair Shachar-Hill** (Michigan State University)
"Metabolic biochemistry in the next decade: The increasing importance of modeling and flux analysis"

9:35 am - 9:50 am Discussion

9:50 am - 12:30 pm **Triacylglycerols: Metabolism, function, and as a target for engineering**

9:50 am - 9:55 am Discussion Leader: **Eric Maréchal** (iRTSV CEA-Grenoble)

9:55 am - 10:20 am **Sabeeha Merchant** (University of California at Los Angeles)
"TAG, you're it! Understanding TAG accumulation in Chlamydomonas"

10:20 am - 10:30 am Discussion

10:30 am Coffee Break

11:00 am - 11:25 am **John Dyer** (US Arid-Land Agricultural Research Center, Maricopa, AZ)
"The role of CGI-58 in lipid homeostasis and lipid signaling"

11:25 am - 11:35 am Discussion

11:35 am - 12:00 pm **Christoph Benning** (Michigan State University)
"Biogenesis and turnover of lipid droplets in algal models"

12:00 pm - 12:10 pm Discussion

12:10 pm - 12:20 pm **Philip Bates** (Washington State University)
"Inefficient incorporation of unusual fatty acids into triacylglycerols inhibits fatty acid synthesis in transgenic oilseeds"

12:20 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 **Lipids in Protection, Reproduction, and Development**

7:30 pm - 7:35 pm Discussion Leader: **Lacey Samuels** (University of British Columbia)

7:35 pm - 7:55 pm **Ljerka Kunst** (University of British Columbia)
"New insights into biosynthesis and regulation of cuticular lipids"

7:55 pm - 8:05 pm Discussion

8:05 pm - 8:25 pm	Mi Chung Suh (Chonnam National University, Gwangju, Korea) "Biosynthesis and transcriptional regulation of cuticular wax in <i>Arabidopsis thaliana</i> "
8:25 pm - 8:35 pm	Discussion
8:35 pm - 8:55 pm	Yuki Nakamura (Academica Sinica, Taipei) "Phospholipids function in coordinating reproductive processes"
8:55 pm - 9:00 pm	Discussion
9:00 pm - 9:20 pm	Kathrin Schrick (Kansas State University) "START lipid/sterol binding domains in plant transcription factors"
9:20 pm - 9:30 pm	Discussion

TUESDAY

7:30 am - 8:30 am	Breakfast
9:00 am - 12:30 pm	Genetic and Lipidomic Approaches to Understanding Lipid Metabolism and Signaling
9:00 am - 9:05 am	Discussion Leader: Glenda Gillaspy (Virginia Tech)
9:05 am - 9:30 am	Hiroyuki Ohta (Tokyo Institute of Technology) "Galactolipid synthesis: Mechanism and evolution"
9:30 am - 9:40 am	Discussion
9:40 am - 10:05 am	Peter Dörmann (University of Bonn) "Chlorophyll and galactolipid metabolism in chloroplasts"
10:05 am - 10:15 am	Discussion
10:15 am	Coffee Break
10:45 am - 11:10 am	Yonghua Li-Beisson (CEA Cadarache, Saint-Paul-lez-Durance, France) "Genetic and lipidomic approaches in deciphering lipid metabolism in <i>Chlamydomonas reinhardtii</i> "
11:10 am - 11:20 am	Discussion
11:20 am - 11:45 am	Xuemin Wang (University of Missouri-St. Louis and Donald Danforth Plant Science Center) "Lipases and their signaling products: Metabolomic approaches to discovering function"
11:45 am - 11:55 am	Discussion
11:55 am - 12:05 pm	Christa Testerink (University of Amsterdam) "Halotropism - A novel response of plant roots to avoid salinity stress"
12:05 pm - 12:10 pm	Discussion
12:10 pm - 12:20 pm	Susanne Hoffmann-Benning (Michigan State University) "Lipidomic and proteomic profiling reveals possible new lipid signaling pathways"
12:20 pm - 12:30 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	Lipid Signaling in Stress Responses
7:30 pm - 7:35 pm	Discussion Leader: Katayoon Dehesh (University of California at Davis)
7:35 pm - 8:05 pm	Abraham Koo (University of Missouri-Columbia) "Switching off the danger signal: Metabolic inactivation of the lipid-derived defense hormone jasmonate"
8:05 pm - 8:15 pm	Discussion
8:15 pm - 8:40 pm	Ivo Feussner (University of Goettingen) "Lipids in the biotic stress response"
8:40 pm - 8:50 pm	Discussion
8:50 pm - 9:15 pm	Aardra Kachroo (University of Kentucky) "Glycerolipid-mediated plant defense signaling against microbial pathogens"
9:15 pm - 9:30 pm	Discussion

WEDNESDAY

7:30 am - 8:30 am	Breakfast
9:00 am - 12:30 pm	New Insights on the Path to Triacylglycerols
9:00 am - 9:05 am	Discussion Leader: John Harwood (Cardiff University)
9:05 am - 9:30 am	Chaofu Lu (Montana State University) "Probing the dynamics of phosphatidylcholine during triacylglycerol biosynthesis"
9:30 am - 9:40 am	Discussion
9:40 am - 10:05 am	Henrik Tjellström (Michigan State University) "Acyl chain remodeling of triacylglycerols"
10:05 am - 10:15 am	Discussion
10:15 am	Coffee Break
10:45 am - 11:10 am	Jitao Zou (National Research Council, Canada) "Direct experimental evidence that LPCAT enzyme participates in acyl editing in Arabidopsis developing seeds"
11:10 am - 11:20 am	Discussion
11:20 am - 11:45 am	Changcheng Xu (Brookhaven National Laboratory) "Triacylglycerol biosynthesis and function in non-seed tissues"
11:45 am - 11:55 am	Discussion
11:55 am - 12:05 pm	Mie Shimojima (Tokyo Institute of Technology) "The crucial role of phosphatidic acid phosphohydrolases PAH1/PAH2 in triacylglycerol accumulation in leaves"
12:05 pm - 12:10 pm	Discussion

12:10 pm - 12:20 pm	John Shanklin (Brookhaven National Laboratory) "Activation via inhibitor metabolism: Fusing catalase to aldehyde-deformylating oxygenase relieves inhibition by converting its inhibitor into a co-substrate"
12:20 pm - 12:30 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	Membrane Lipid Signaling
7:30 pm - 7:35 pm	Discussion Leader: Jonathan Markham (University of Nebraska-Lincoln)
7:35 pm - 8:05 pm	Ingo Heilmann (Universität Halle, Germany) "Stress-induced activation and relocalization of plant lipid kinases"
8:05 pm - 8:15 pm	Discussion
8:15 pm - 8:40 pm	Marina Gavilanes Ruiz (Universidad Nacional Autonoma de Mexico) "Membrane sphingolipids: Surpassing their structural role?"
8:40 pm - 8:50 pm	Discussion
8:50 pm - 9:15 pm	Brett Tyler (Oregon State University) "Cell surface phosphoinositides at the interface between plants and their pathogens and mutualists"
9:15 pm - 9:30 pm	Discussion

THURSDAY

7:30 am - 8:30 am	Breakfast
9:00 am - 12:30 pm	Lipid Visualization
9:00 am - 9:05 am	Discussion Leader: Kent Chapman (University of North Texas)
9:05 am - 9:30 am	Adrian Salic (Harvard Medical School) "Chemical probes for microscopic visualization of lipids in cells"
9:30 am - 9:40 am	Discussion
9:40 am - 10:05 am	Teun Munnik (University of Amsterdam) "Visualizing phospholipid signals in plants"
10:05 am - 10:15 am	Discussion
10:15 am	Coffee Break
10:45 am - 11:10 am	Patrick Horn (University of North Texas) "Spatial mapping of lipids at cellular resolution in plant tissues"

11:10 am - 11:20 am	Discussion
11:20 am - 11:30 am	Diana Wong (University of California, Davis) "Comparison of lipid storage in different algae strains using lipid visualization and fluorescent quantification"
11:30 am - 11:35 am	Discussion
11:35 am - 11:45 am	Erik Nielsen (University of Michigan) "A role for phosphoinositide signaling during regulation of SA-dependent PR gene expression in <i>Arabidopsis</i> "
11:45 am - 11:55 am	Discussion
11:55 am - 12:05 pm	Hong-Wei Xue (Shanghai Institute of Plant Physiology and Ecology) "Functions and Molecular Mechanisms of Plant Phosphatidylinositol (PI) Signaling Pathway"
12:05 pm - 12:10 pm	Discussion
12:10 pm - 12:20 pm	Imara Perera (North Carolina State University) "Functional characterization of inositol polyphosphate VIP kinases in plants"
12:20 pm - 12:30 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	Development of Biofuels and Industrial Lipids
7:30 pm - 7:35 pm	Discussion Leader: Anthony Kinney (Dupont AgBiotech)
7:35 pm - 8:05 pm	Sten Stymne (Swedish University of Agricultural Sciences) "Industrial oils in dedicated GM industrial oil crops take the step to the field"
8:05 pm - 8:15 pm	Discussion
8:15 pm - 8:40 pm	Xiao-Hong Yu (Brookhaven National Laboratory) "Enhancing cyclopropane fatty acid production in transgenic plants"
8:40 pm - 8:50 pm	Discussion
8:50 pm - 9:15 pm	Timothy Durrett (Kansas State University) "Using a novel acetyltransferase to alter the structure of seed storage lipids"
9:15 pm - 9:30 pm	Discussion

FRIDAY

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

Funding for this conference was made possible (in part) by 1 R13 GM105082-01 from NIGMS. The views expressed in written conference materials or publications and by speakers and moderators do not necessarily reflect the official policies of the Department of Health and Human Services; nor does mention by trade names, commercial practices, or organizations imply endorsement by the U.S. Government.

Plant Lipids: Structure, Metabolism & Function
Gordon Research Seminar
January 26-27, 2013

Hotel Galvez
Galveston, TX

Chair:
Hieu Sy "Danny" Vu

Associate Chair:
Jillian Collins-Silva

Related Meeting Information

The Plant Lipids: Structure, Metabolism & Function Gordon Research Seminar was held in conjunction with the **Plant Lipids: Structure, Metabolism & Function Gordon Research Conference**. Please refer to the Plant Lipids: Structure, Metabolism & Function GRC web page for more information.

The Gordon Research Seminar on Plant Lipids: Structure, Metabolism & Function is a unique forum for graduate students, post-docs, and other scientists with comparable levels of experience and education to present and exchange new data and cutting edge ideas.

The focus of this meeting is both basic and applied research on structural, storage, signaling, and nutritional lipids, including state-of-the-art approaches in lipid research (genetics, lipidomics, lipid visualization, and lipid engineering for industrial purposes). The Career Panel will feature leading scientists in plant lipid research, Edgar Cahoon (University of Nebraska-Lincoln), Katayoon Dehesh (University of California - Davis), and Glenda Gillaspay (Virginia Polytechnic Institute and State University), who will lead a discussion of mentorship.

Contributors



SATURDAY

2:00 pm - 5:00 pm	Arrival and Check-in
3:30 pm - 3:45 pm	Introductory Comments by GRC Site Staff / Welcome by the GRS Conference Chair
3:45 pm - 4:30 pm	Keynote Session
3:45 pm - 4:15 pm	Katayoon Dehesh (University of California - Davis, USA) "From oxylipins to retrograde signaling"
4:15 pm - 4:30 pm	Discussion
4:30 pm - 6:00 pm	<u>Poster Session I</u> Odd-numbered posters present from 4:30 pm - 5:15 pm Even-numbered posters present from 5:15 pm - 6:00 pm
6:00 pm	Dinner
7:30 pm - 9:30 pm	Lipid Metabolism Discussion Leaders: Henrik Tjellström (Michigan State University, USA) and Patrick Horn (University of North Texas, USA)
7:30 pm - 7:50 pm	Qin Liu (Brookhaven National Laboratory, USA) "Probing the dimer interface and the significance of dimeric organization of the castor $\Delta 9$ -18:0 desaturase"
7:50 pm - 8:00 pm	Discussion
8:00 pm - 8:20 pm	Masumi Otsuru (Saitama University, Japan) "Conserved fatty acid composition in the sn-2 positions of glycerolipids is important for the organization of photosystem protein complexes in <i>Synechocystis</i> sp. PCC 6803"
8:20 pm - 8:30 pm	Discussion
8:30 pm - 8:50 pm	Dora Luz Cano-Ramirez (National Autonomous University of Mexico, Mexico) "Contribution of sphingolipid content to the fluidity of the plasma membrane from <i>Arabidopsis thaliana</i> leaves"
8:50 pm - 9:00 pm	Discussion
9:00 pm - 9:20 pm	Yozo Okazaki (Riken Plant Science Center, Japan) "A novel plant lipid class playing an essential role in mitigation of phosphorus depletion"
9:20 pm - 9:30 pm	Discussion

SUNDAY

7:30 am - 8:30 am	Breakfast
9:00 am - 11:00 am	Lipid Signaling and Stress Responses Discussion Leaders: Philip Bates (Washington State University, USA) and Rebecca Roston (Michigan State University, USA)

9:00 am - 9:20 am	Mingjie Chen (University of Missouri, USA) "Acyl-lipid desaturase 2 is required for cold acclimation and freezing tolerance in <i>Arabidopsis</i> "
9:20 am - 9:30 am	Discussion
9:30 am - 9:50 am	Phoebe Williams (Virginia Polytechnic and State University, USA) "Synthesis and regulation of inositol pyrophosphate signaling molecules in plants"
9:50 am - 10:00 am	Discussion
10:00 am - 10:20 am	Jantana Keereetawee (University of North Texas, USA) "Differential physiological effects of two polyunsaturated N-acylethanolamines in <i>Arabidopsis</i> seedlings"
10:20 am - 10:30 am	Discussion
10:30 am - 10:50 am	Stefanie König (Georg-August-University Goettingen, Germany) "Programmed cell death in <i>Arabidopsis thaliana</i> sphingolipid mutants"
10:50 am - 11:00 am	Discussion
11:00 am - 12:30 pm	<u>Poster Session II</u> Presenters with last names A-K present from 11:00 am - 11:45 am Presenters with last names L-Z present from 11:45 am - 12:30 pm <i>Coffee will be served in the poster area from 11:00 am - 11:30 am</i>
12:30 pm	Lunch
1:30 pm - 2:30 pm	Career Panel: Different Career Paths for Plant Lipid Scientists Panelists: Edgar Cahoon (University of Nebraska - Lincoln, USA), Katayoon Dehesh (University of California - Davis, USA) and Glenda Gillasp y (Virginia Polytechnic Institute and State University, USA) Host: Rebecca Roston (Michigan State University, USA)
2:30 pm - 3:00 pm	<u>Evaluation Period</u> <i>Fill out GRS Evaluation Forms</i>
3:00 pm	Gordon Research Seminar ends. For those attending the associated Gordon Research Conference, please check in at the GRC Office beginning at 4:00 pm.

Plant Lipids: Structure, Metabolism & Function (2013)

Name	Organization	Participation	Status
ALLEN, DOUG K	USDA-ARS	Poster Presenter	Registered
ANDRE, CARL	BASF PLANT SCIENCE	Attendee	Registered
ASLAN, SELCUK	SWEDISH UNIVERSITY OF AGRICULTURAL SCIENCES (SLU)	Poster Presenter	Registered
BAI, SHUANGYI	WASHINGTON STATE UNIVERSITY	Poster Presenter	Registered
BANSAL, SUNIL MR	KANSAS STATE UNIVERSITY	Poster Presenter	Registered
BATES, PHILIP D	WASHINGTON STATE UNIVERSITY	Speaker	Registered
BENNING, CHRISTOPH	MICHIGAN STATE UNIVERSITY	Speaker	Registered
BREAZEALE, STEVEN D	BASF/GB	Attendee	Registered
BROWSE, JOHN A	WASHINGTON STATE UNIVERSITY	Poster Presenter	Registered
CAHOON, EDGAR	UNIVERSITY OF NEBRASKA-LINCOLN	Chair	Registered
CAI, YINGQI	UNIVERSITY OF NORTH TEXAS	Poster Presenter	Registered
CAMPBELL, ALEXIS A	IOWA STATE UNIVERSITY	Poster Presenter	Registered
CANO-RAMÍREZ, DORA LUZ	UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO (UNAM)	Poster Presenter	Registered
CASOLARI, JASON MARK	SOLAZYME, INC.	Attendee	Registered
CHAPMAN, KENT	UNIVERSITY OF NORTH TEXAS	Discussion Leader	Registered
CHARDOT, THIERRY	INRA	Poster Presenter	Registered
CHEN, MINGJIE	UNIVERSITY OF MISSOURI	Poster Presenter	Registered
COCURON, JEAN CHRISTOPHE	THE OHIO STATE UNIVERSITY	Poster Presenter	Registered
COTTON, KIMBERLY L	WASHINGTON STATE UNIVERSITY	Poster Presenter	Registered
DEAN, GILLIAN H	UNIVERSITY OF BRITISH COLUMBIA	Poster Presenter	Registered
DEHESH, KATAYOON	UNIVERSITY OF CALIFORNIA DAVIS	Discussion Leader	Registered
DELLAPENNA, DEAN	MICHIGAN STATE UNIVERSITY	Speaker	Registered
DENOLF, PETER	BAYER CROPSCIENCE NV	Attendee	Registered
DESAI, MINTU K	NORTH CAROLINA STATE UNIVERSITY	Poster Presenter	Registered
DIAZ DE LA GARZA, ROCIO I	TECNOLOGICO DE MONTERREY	Poster Presenter	Registered
DOERMANN, PETER	UNIVERSITY OF BONN	Speaker	Registered
DURRETT, TIMOTHY P	KANSAS STATE UNIVERSITY	Speaker	Registered
DYER, JOHN	USDA-ARS, ARID-LAND AGRICULTURAL RESEARCH CENTER	Speaker	Registered
EVERARD, JOHN D	DUPONT AGRICULTURAL BIOTECHNOLOGY RESEARCH AND DEV	Poster Presenter	Registered
FAN, JILIAN	BROOKHAVEN NATIONAL LABORATORY	Poster	Registered

		Presenter	
FAURE, LIONEL	UNIVERSITY OF NORTH TEXAS	Poster Presenter	Registered
FEUSSNER, IVO	GEORG-AUGUST-UNIVERSITY GOETTINGEN	Speaker	Registered
FORESTIER, EDITH	IBMP-CNRS	Poster Presenter	Registered
FUJIKI, YUKI	SAITAMA UNIVERSITY	Poster Presenter	Registered
GAVILANES-RUIZ, MARINA	UNIVERSIDAD NACIONAL AUTONOMA DE MEXICO	Speaker	Registered
GILLASPY, GLENDA	VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY	Vice Chair	Registered
GO, YOUNG SAM	CHONNAM NATIONAL UNIVERSITY	Poster Presenter	Registered
GONZALEZ, JORGE A	TECNOLOGICO DE MONTERREY	Poster Presenter	Registered
HAN, DANXIANG	ARIZONA STATE UNIVERSITY	Poster Presenter	Registered
HARWOOD, JOHN L	CARDIFF UNIVERSITY	Discussion Leader	Registered
HEILMANN, INGO	UNIVERSITAT HALLE	Speaker	Registered
HEITZ, THIERRY	IBMP-CNRS	Poster Presenter	Registered
HIGASHI, YASUHIRO	RIKEN PLANT SCIENCE CENTER	Poster Presenter	Registered
HOFFMANN-BENNING, SUSANNE	MICHIGAN STATE UNIVERSITY	Speaker	Registered
HORN, PATRICK J	UNIVERSITY OF NORTH TEXAS	Speaker	Registered
HOWLADAR, SAAD	AL-BAHA UNIVERSITY	Attendee	Registered
HU, ZHAOHUI	NORTH CAROLINA STATE UNIVERSITY	Attendee	Registered
HU, QIANG	ARIZONA STATE UNIVERSITY	Attendee	Registered
IMAI, HIROYUKI	DEPARTMENT OF BIOLOGY, KONAN UNIVERSITY	Poster Presenter	Registered
JAWORSKI, JAN	DONALD DANFORTH PLANT SCIENCE CENTER	Attendee	Registered
JIA, JING	ARIZONA STATE UNIVERSITY	Attendee	Registered
JIN, HUANAN	IOWA STATE UNIVERSITY	Poster Presenter	Registered
JONES, DALLAS C	IOWA STATE UNIVERSITY	Poster Presenter	Registered
JONIKAS, MARTIN C	CARNEGIE INSTITUTION FOR SCIENCE	Poster Presenter	Registered
JOZWIAK, ADAM	IBB PAS	Poster Presenter	Registered
KACHROO, AARDRA	UNIVERSITY OF KENTUCKY	Speaker	Registered
KEEREETAWEEP, JANTANA	UNIVERSITY OF NORTH TEXAS	Poster Presenter	Registered
KHAN, BIBI R	SAMUEL ROBERTS NOBLE FOUNDATION	Poster Presenter	Registered
KILARU, ARUNA	EAST TENNESSEE STATE UNIVERSITY	Poster Presenter	Registered
KIM, HAE JIN	UNIVERSITY OF NEBRASKA, LINCOLN	Poster Presenter	Registered

KIMURA, ATSUKO A	NATIONAL INSTITUTES OF HEALTH	Attendee	Registered
KINNEY, ANTHONY J	DUPONT AGBIOTECH	Discussion Leader	Registered
KOLOMIETS, MIKE V	TEXAS A&M UNIVERSITY	Poster Presenter	Registered
KÖNIG, STEFANIE	GEORG-AUGUST-UNIVERSITY GOETTINGEN	Poster Presenter	Registered
KOO, ABRAHAM JK	UNIVERSITY OF MISSOURI - COLUMBIA	Speaker	Registered
KUNST, LJERKA	UNIVERSITY OF BRITISH COLUMBIA	Speaker	Registered
LAXALT, ANA M	UNIVERSIDAD NACIONAL DE MAR DEL PLATA	Poster Presenter	Registered
LEE, SEUNG CHO	COLD SPRING HARBOR LABORATORY	Poster Presenter	Registered
LI, XIANGJUN	UNIVERSITY OF NEBRASKA-LINCOLN	Poster Presenter	Registered
LI, MAOYIN	UNIVERSITY OF MISSOURI-ST. LOUIS	Poster Presenter	Registered
LI, YANTAO	THE INSTITUTE OF MARINE AND ENVIRON. TECH., USM	Attendee	Registered
LI-BEISSON, YONGHUA	CEA CADARACHE	Speaker	Registered
LIU, QIN	BROOKHAVEN NATIONAL LABORATORY	Poster Presenter	Registered
LIU, QING	CSIRO PLANT INDUSTRY	Poster Presenter	Registered
LIU, JINJIE	MICHIGAN STATE UNIVERSITY	Poster Presenter	Registered
LU, CHAOFU	MONTANA STATE UNIVERSITY	Speaker	Registered
LUTTGEHARM, KYLE D	UNIVERSITY OF NEBRASKA-LINCOLN	Poster Presenter	Registered
MACDONALD, GAYE E	DALHOUSIE UNIVERSITY	Poster Presenter	Registered
MANDAL, MIHIR K	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	Poster Presenter	Registered
MARECHAL, ERIC	GRENOBLE UNIVERSITY	Discussion Leader	Registered
MARKHAM, JONATHAN E	UNIVERSITY OF NEBRASKA-LINCOLN	Discussion Leader	Registered
MERCHANT, SABEEHA	UCLA	Speaker	Registered
MIETKIEWSKA, ELZBIETA M	UNIVERSITY OF ALBERTA, DEPARTMENT: AFNS	Poster Presenter	Registered
MIQUEL, MARTINE	INRA	Attendee	Registered
MORALES CEDILLO, FRANCISCO	UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO	Poster Presenter	Registered
MORTIMER, JENNY C	UNIVERSITY OF CAMBRIDGE	Poster Presenter	Registered
MOSELEY, JEFFREY	SOLAZYME INC.	Attendee	Registered
MSANNE, JOSEPH	UNIVERSITY OF NEBRASKA-LINCOLN	Poster Presenter	Registered
MUNNIK, TEUN	UNIVERSITY OF AMSTERDAM	Speaker	Registered
NAKAMURA, YUKI	ACADEMIA SINICA	Speaker	Registered
NIELSEN, ERIK E	UNIVERSITY OF MICHIGAN	Poster	Registered

		Presenter	
NIKOLAU, BASIL	IOWA STATE UNIVERSITY	Discussion Leader	Registered
NISHIDA, IKUO	SAITAMA UNIVERSITY	Poster Presenter	Registered
OHTA, HIROYUKI	TOKYO INSTITUTE OF TECHNOLOGY	Speaker	Registered
OKAZAKI, YOZO	RIKEN PLANT SCIENCE CENTER	Poster Presenter	Registered
OTSURU, MASUMI MO	SAITAMA UNIVERSITY	Poster Presenter	Registered
PERERA, IMARA Y	NORTH CAROLINA STATE UNIVERSITY	Speaker	Registered
PETROUTSOS, DIMITRIS	PHYSIOLOGIE CELLULAIRE VÉGÉTALE/IRTSV/CEA	Poster Presenter	Registered
QU, RONGDA	NORTH CAROLINA STATE UNIVERSITY	Attendee	Registered
REBMANN, MATTHIAS	PERIMONDO	Poster Presenter	Registered
RODRIGUEZ-LOPEZ, CARLOS	TECNOLOGICO DE MONTERREY	Poster Presenter	Registered
ROSTON, REBECCA	MICHIGAN STATE UNIVERSITY	Poster Presenter	Registered
ROUHIER, KERRY A	KENYON COLLEGE	Poster Presenter	Registered
RYU, STEPHEN B	KRIBB	Poster Presenter	Registered
SALAS, JOAQUIN	INSTITUTO DE LA GRASA (CSIC)	Speaker	Registered
SALIC, ADRIAN	HARVARD MEDICAL SCHOOL	Speaker	Registered
SAMUELS, LACEY	UNIVERSITY OF BRITISH COLUMBIA	Discussion Leader	Registered
SANJAYA, SANJAYA	MICHIGAN STATE UNIVERSITY	Poster Presenter	Registered
SAYANOVA, OLGA	ROTHAMSTED RESEARCH	Speaker	Registered
SCHRICK, KATHRIN	KANSAS STATE UNIVERSITY	Speaker	Registered
SCHWENDER, JOERG	BROOKHAVEN NATIONAL LABORATORY	Poster Presenter	Registered
SEDBROOK, JOHN C	ILLINOIS STATE UNIVERSITY; GLBRC	Poster Presenter	Registered
SHACHAR-HILL, YAIR	MICHIGAN STATE UNIVERSITY	Speaker	Registered
SHAH, JYOTI	UNIVERSITY OF NORTH TEXAS	Poster Presenter	Registered
SHANKLIN, JOHN	BROOKHAVEN NATIONAL LABORATORY	Speaker	Registered
SHIMOJIMA, MIE	TOKYO INSTITUTE OF TECHNOLOGY	Speaker	Registered
SHIPP, MATTHEW J	DONALD DANFORTH PLANT SCIENCE CENTER	Attendee	Registered
SHIVA, SUNITHA	KANSAS STATE UNIVERSITY	Poster Presenter	Registered
SHOCKEY, JAY M.	USDA-ARS	Poster Presenter	Registered
SHULAEV, VLADIMIR	University of North Texas	Attendee	Registered
SRINIVASAN, MALATHI	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	Poster Presenter	Registered
STUCKY, DANIEL F	KANSAS STATE DIVISION OF BIOLOGY	Poster	Registered

		Presenter	
STYMNE, STEN	SWEDISH UNIVERSITY OF AGRICULTURAL SCIENCES	Speaker	Registered
SU, SIYUN	UNIVERSITY OF MISSOURI- ST. LOUIS	Attendee	Registered
SU, YUAN	UNIVERSITY OF MISSOURI-ST LOUIS	Poster Presenter	Registered
SUH, MI CHUNG	CHONNAM NATIONAL UNIVERSITY	Speaker	Registered
TAN, SHU-TANG	INSTITUTE OF PLANT PHYSIOLOGY & ECOLOGY	Poster Presenter	Registered
TESTERINK, CHRISTA	UNIVERSITY OF AMSTERDAM	Speaker	Registered
TJELLSTROM, HENRIK	MICHIGAN STATE UNIVERSITY	Speaker	Registered
TRAN-NGUYEN, TAM T	KANSAS STATE UNIVERSITY	Poster Presenter	Registered
TYLER, BRETT M	OREGON STATE UNIVERSITY	Speaker	Registered
VANHERCKE, THOMAS	CSIRO PLANT INDUSTRY	Poster Presenter	Registered
VU, HIEU SY "DANNY"	KANSAS STATE UNIVERSITY	Poster Presenter	Registered
WANG, GELIANG	UNIVERSITY OF MISSOUR - SAINT LOUIS	Poster Presenter	Registered
WANG, XUEMIN (SAM)	UNIV MISSOURI, ST LOUIS & DANFORTH PLANT SCIENCE	Vice Chair	Registered
WELTI, RUTH	KANSAS STATE UNIVERSITY	Chair	Registered
WILLIAMS, PHOEBE	VIRGINIA POLYTECHNIC AND STATE UNIVERSITY	Poster Presenter	Registered
WONG, DIANA M	UNIVERSITY OF CALIFORNIA DAVIS	Poster Presenter	Registered
XU, CHANGCHENG	BROOKHAVEN NATIONAL LAB	Speaker	Registered
XUE, HONG-WEI	SHANGHAI INSTITUTE OF PLANT PHYSIOLOGY AND ECOLOGY	Speaker	Registered
YAMAOKA, YASUYO	POSTECH, KOREA	Poster Presenter	Registered
YANDEAU-NELSON, MARNA D	IOWA STATE UNIVERSITY	Poster Presenter	Registered
YAO, NAN	SUN YAT-SEN UNIVERSITY	Poster Presenter	Registered
YAO, HONG-YAN HY	SHANGHAI INSTITUTE OF PLANT PHYSIOLOGY AND ECOLOGY	Poster Presenter	Registered
YOON, KANGSUP	ARIZONA STATE UNIVERSITY	Attendee	Registered
YU, KESHUN	UNIVERSITY OF KENTUCKY	Poster Presenter	Registered
YU, XIAO-HONG	STONY BROOK UNIVERSITY	Speaker	Registered
ZACK, MARC D	DOW AGROSCIENCES	Attendee	Registered
ZHAO, LIFANG	UNIVERSITY OF BRITISH COLUMBIA	Poster Presenter	Registered
ZHAO, JIAN	HUAZHONG AGRICULTURAL UNIVERSITY	Poster Presenter	Registered
ZOU, JITAO	NATIONAL RESEARCH COUNCIL CANADA	Speaker	Registered
151 Attendees			

Plant Lipids: Structure, Metabolism & Function (GRS) (2013)

Name	Organization	Participation	Status
Aslan, Selcuk	Swedish University of Agricultural Sciences (Slu)	Poster Presenter	Registered
Bai, Shuangyi	Washington State University	Poster Presenter	Registered
Bansal, Sunil Mr	Kansas State University	Poster Presenter	Registered
Bates, Philip D	Washington State University	Discussion Leader	Registered
Cahoon, Edgar	University of Nebraska-Lincoln	Speaker	Registered
Cai, Yingqi	University of North Texas	Poster Presenter	Registered
Campbell, Alexis A	Iowa State University	Poster Presenter	Registered
Cano-Ramírez, Dora Luz	Universidad Nacional Autónoma de México (UNAM)	Speaker	Registered
Chen, Mingjie	University of Missouri	Speaker	Registered
Cotton, Kimberly L	Washington State University	Poster Presenter	Registered
Dehesh, Katayoon	University of California Davis	Speaker	Registered
Desai, Mintu K	North Carolina State University	Poster Presenter	Registered
Faure, Lionel	University of North Texas	Poster Presenter	Registered
Forestier, Edith	IBMP-CNRS	Poster Presenter	Registered
Gillaspy, Glenda	Virginia Polytechnic Institute & State University	Speaker	Registered
Go, Young Sam	Chonnam National University	Poster Presenter	Registered
Han, Danxiang	Arizona State University	Poster Presenter	Registered
Higashi, Yasuhiro	Riken Plant Science Center	Poster Presenter	Registered
Horn, Patrick J	University of North Texas	Discussion Leader	Registered
Jia, Jing	Arizona State University	Poster Presenter	Registered
Jin, Huanan	Iowa State University	Poster Presenter	Registered
Keereetaweep, Jantana	University of North Texas	Speaker	Registered
Khan, Bibi R	Samuel Roberts Noble Foundation	Poster Presenter	Registered
Kim, Hae Jin	University of Nebraska, Lincoln	Poster Presenter	Registered
König, Stefanie	Georg-August-University Goettingen	Speaker	Registered
Liu, Qin	Brookhaven National Laboratory	Speaker	Registered
Liu, Jinjie	Michigan State University	Poster Presenter	Registered
Luttgehard, Kyle D	University of Nebraska-Lincoln	Poster Presenter	Registered
Macdonald, Gaye E	Dalhousie University	Poster Presenter	Registered
Mandal, Mihir K	Virginia Polytechnic Institute and State University	Poster Presenter	Registered
Morales Cedillo, Francisco	Universidad Nacional Autónoma de México	Poster Presenter	Registered
Mortimer, Jenny C	University of Cambridge	Poster Presenter	Registered
Msanne, Joseph	University of Nebraska-Lincoln	Poster Presenter	Registered
Okazaki, Yozo	Riken Plant Science Center	Speaker	Registered
Otsuru, Masumi Mo	Saitama University	Speaker	Registered
Rodriguez-Lopez, Carlos	Tecnologico de Monterrey	Poster Presenter	Registered
Roston, Rebecca	Michigan State University	Discussion Leader	Registered
Sanjaya, Sanjaya	Great Lakes Bioenergy Research Center	Poster Presenter	Registered
Shiva, Sunitha	Kansas State University	Poster Presenter	Registered
Stucky, Daniel F	Kansas State Division of Biology	Poster Presenter	Registered
Tjellstrom, Henrik	Michigan State University	Discussion Leader	Registered
Tran-Nguyen, Tam T	Kansas State University	Poster Presenter	Registered
Vu, Hieu Sy "Danny"	Kansas State University	Chair	Registered
Welti, Ruth	Kansas State University	Speaker	Registered
Williams, Phoebe	Virginia Polytechnic and State University	Speaker	Registered
Wong, Diana M	University of California Davis	Poster Presenter	Registered

Yamaoka, Yasuyo
47 Attendees

Postech, Korea

Poster Presenter Registered

PATENT CERTIFICATION

Gordon Research Conferences
Awardee

☐ Interim Certification

DE-SC0009250 (2013 Plant Lipids: Structure, Metabolism & Function GRC)

DOE Prime and/or Subcontract Nos.

☒ Final Certification

Awardee hereby certifies unless indicated to the contrary, that:

1. All procedures for identifying and disclosing subject inventions as required by the patent clause of the contract have been followed throughout the reporting period.
2. There were no subcontracts or purchase orders involving research, development, and demonstration except as follows: (a separate certification must be provided to DOE for each subcontract or purchase order awarded.)
3. No inventions or discoveries were made or conceived in the course of or under this contract other than the following (Certification includes ☒, does not include ☐ all subcontracts):

<u>TITLE</u>	<u>INVENTOR</u>	<u>DATE REPORTED</u>	<u>DOE "S" NO.*</u>
--------------	-----------------	----------------------	---------------------

n/a

4. The completion date of this contract is as follows:
5. The following period is covered by this certification:

<u>December</u>	<u>15,</u>	<u>2012</u>	to	<u>December</u>	<u>14,</u>	<u>2013</u>
Month	Day	Year		Month	Day	Year



Gordon Research Conferences
Contractor

Signature

Nancy Ryan Gray

Director and President
Title

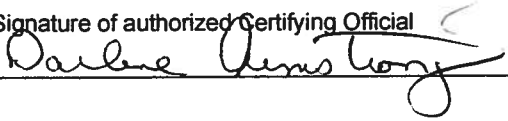
512 Liberty Lane, West Kingston, RI 02892
Address

2/15/2013
Date of Certification

* Also include Subcontract No. if available.

NOTE: A positive certification for this Item 3 does not negate the requirement for furnishing to DOE a fully executed Patent Certification from each subawardee identified in Item 2.

**TANGIBLE PERSONAL PROPERTY REPORT
SF- 428**

		Page 1	of 1 Pages
1. Federal Agency and Organization Element to Which Report is Submitted DOE	2. Federal Grant or Other Identifying Number Assigned by Federal Agency DE-SC0009250	3a. DUNS 07-571-2877	3b. EIN 26-0150662
4. Recipient Organization (Name and complete address including zip code) GORDON RESEARCH CONFERENCES 512 LIBERTY LANE WEST KINGSTON, RI 02892-1502		5. Recipient Account or Identifying Number 2013 Plant Lipids: Structure, Metabolism & Function GRC	
6. Attachment (Check applicable) <input type="checkbox"/> Annual Report (SF-428-A) <input checked="" type="checkbox"/> Final (Award Closeout) Report (SF-428-B) <input type="checkbox"/> Disposition Report/Request (SF-428-C)		7. Supplemental Sheet <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8. Comments NO PROPERTY			
9a. Typed or Printed Name and Title of Authorized Certifying Official DARLENE ARMSTRONG CONFERENCE OPERATIONS & GRANTS MNGR		9c. Telephone (area code, number, extension) 401-360-1505	
		9d. Email address GRANTS@GRC.ORG	
9b. Signature of authorized Certifying Official 		9e. Date report submitted (Month, Day, Year) 2/19/13	
		10. Agency use only	

Instructions for Tangible Personal Property Report: SF-428

The estimated annual public reporting burden for the collection of information on this form and its attachments is estimated to average 2.75 hours per respondent, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0043), Washington, DC 20503.

This is a standard form to be used by awarding agencies to collect information related to tangible personal property (equipment and supplies) when required by a Federal financial assistance award. The form consists of the cover sheet (SF-428) and three attachments to be used as required: Annual Report, SF-428-A; Final (Award Closeout) Report, SF-428-B; and a Disposition Request/Report, SF-428-C. A Supplemental Sheet, SF-428S, may be used to provide detailed individual item information.

A. General Instructions:

Tangible personal property means property of any kind, except real property, that has physical existence. It includes equipment and supplies. It does not include copyrights, patents or securities. For convenience, throughout this form and its attachments, the term property will be synonymous with tangible personal property. The terms equipment and supplies will be used when referring to specific requirements.

Property may be provided by the awarding agency or acquired by the recipient with award funds. Federally-owned property consists of items that were furnished by the Federal government.

Recipients of Federal assistance awards may be required to provide Federal awarding agencies with information concerning property in their custody annually, at award closeout or when the property is no longer needed. Specific requirements will vary based on award provisions, the type of property (equipment or supplies) and whether the property is Federally-owned. This reporting form and its attachments are intended to assist recipients to provide necessary information when it is required.

1. Federal Agency and Organizational Element to Which Report is Submitted. Enter the name of the Federal agency and the agency organization element identified in the award document or as otherwise instructed by the agency. The organizational element is a sub-agency within a Federal agency. For example, the Air Force Office of Scientific Research (AFOSR) is an organizational element within the Department of Defense.

2. Federal Grant or Other Identifying Number Assigned by Federal Agency. Enter the Federal grant, cooperative agreement or other Federal financial assistance award instrument number or other identifying number assigned to the Federal financial assistance award.

3a. DUNS. Enter the recipient organization's Data Universal Numbering System (DUNS) number or Central Contract Registry extended DUNS number. The DUNS number is also referred to as the Universal Identifier.

3b. EIN. Enter the recipient organization's Employer Identification Number (EIN) as assigned by the Internal Revenue Service.

4. Recipient Organization. Enter the name and complete address, including zip code, of the recipient organization.

5. Recipient Account or Identifying Number. Enter the account number or other identifying number assigned to the award by the recipient. This number is for the recipient's use and is not required by the Federal agency.

6. Attachment. Check the applicable line to indicate the type of attachment being submitted. Use the Annual Report, SF-428-A, when required to provide annual inventory listings of Federally-owned property. Use the Final Report, SF-428-B, when required to provide property information in connection with the closeout of an award. Use the Disposition Request/Report, SF-428-C, when required to request disposition instructions for or to report the disposal of Federally-owned property or acquired equipment, at any time other than award closeout (i.e., during the award period or after award closeout as long as the Federal government retains an interest in the item).

7. Supplemental Sheet. Check the applicable block to indicate whether a Supplemental Sheet is attached. Recipients may use the SF-428S or equivalent document such as a computer print out to provide required detailed individual item information.

8. Comments. Provide any explanations or additional information in this block. Attach additional sheets if necessary.

9a. Typed or Printed Name and Title of Authorized Certifying Official. Enter the full name and title of the recipient representative authorized to sign this report.

b. Signature of Authorized Certifying Official. Original signature of the recipient's authorized certifying official.

c. Telephone. Enter the telephone number of the individual listed in Line 9a.

d. Email address. Enter the email address of the individual listed in 9a.

e. Date report submitted. Enter the date the report is submitted to the Federal agency.

10. Agency use only. This section is reserved for Federal agency use only.

FEDERAL FINANCIAL REPORT

(Follow form instructions)

1. Federal Agency and Organizational Element to Which Report is Submitted DOE	2. Federal Grant or Other Identifying Number Assigned by Federal Agency (To report multiple grants, use FFR Attachment) DE-SC0009250	Page 1	of 1	pages
---	---	------------------	----------------	-------

3. Recipient Organization (Name and complete address including Zip code) Gordon Research Conferences, 512 Liberty Lane, West Kingston, RI 02892

4a. DUNS Number 07-571-2877	4b. EIN 26-0150662	5. Recipient Account Number or Identifying Number (To report multiple grants, use FFR Attachment) 2013 Plant Lipids: Structure, Metabolism & Function GRC	6. Report Type <input type="checkbox"/> Quarterly <input type="checkbox"/> Semi-Annual <input type="checkbox"/> Annual <input checked="" type="checkbox"/> Final	7. Basis of Accounting <input checked="" type="checkbox"/> Cash <input type="checkbox"/> Accrual
---------------------------------------	------------------------------	--	---	--

8. Project/Grant Period From: (Month, Day, Year) 12/15/2012	To: (Month, Day, Year) 12/14/2013	9. Reporting Period End Date (Month, Day, Year) 12/14/2013
--	--------------------------------------	---

10. Transactions	Cumulative
-------------------------	------------

(Use lines a-c for single or multiple grant reporting)

Federal Cash (To report multiple grants, also use FFR Attachment):	
a. Cash Receipts	15,795.00
b. Cash Disbursements	15,795.00
c. Cash on Hand (line a minus b)	0

(Use lines d-o for single grant reporting)

Federal Expenditures and Unobligated Balance:	
d. Total Federal funds authorized	15,795.00
e. Federal share of expenditures	15,795.00
f. Federal share of unliquidated obligations	0
g. Total Federal share (sum of lines e and f)	15,795.00
h. Unobligated balance of Federal funds (line d minus g)	0

Recipient Share:	
i. Total recipient share required	
j. Recipient share of expenditures	
k. Remaining recipient share to be provided (line i minus j)	

Program Income:	
l. Total Federal program income earned	
m. Program income expended in accordance with the deduction alternative	
n. Program income expended in accordance with the addition alternative	
o. Unexpended program income (line l minus line m or line n)	

11. Indirect Expense	a. Type	b. Rate	c. Period From	Period To	d. Base	e. Amount Charged	f. Federal Share
	N/A	N/A	N/A	N/A	N/A	N/A	N/A
g. Totals:					N/A	N/A	N/A

12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation.

13. Certification: By signing this report, I certify to the best of my knowledge and belief that the report is true, complete, and accurate, and the expenditures, disbursements and cash receipts are for the purposes and intent set forth in the award documents. I am aware that any false, fictitious, or fraudulent information may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 18, Section 1001)

a. Typed or Printed Name and Title of Authorized Certifying Official Darlene Armstrong, Conference Operations & Grants Manager	c. Telephone (Area code, number and extension) 401-360-1505
b. Signature of Authorized Certifying Official 	d. Email address grants@grc.org
	e. Date Report Submitted (Month, Day, Year) 2/19/13
14. Agency use only	

Standard Form 425 - Revised 6/28/2010
 OMB Approval Number 0348-0061
 Expiration Date: 10/31/2011

Paperwork Burden Statement

According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB Control Number. The valid OMB control number for this information collection is 0348-0061. Public reporting burden for this collection of information is estimated to average 1.5 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0061), Washington, DC 20503.