Diabetes and Pregnancy Study Group-West 2012:
From Prepregnancy Planning to Maternal and Infant Outcomes

The Westin Pasadena
191 N Los Robles Ave
Pasadena, CA 91101
(626) 792-2727

May 18-19, 2012
Pre-Conference Reception: May 17, 2012

Presented by:
Diabetes & Pregnancy Study Group-West (DPSG-W)
Co-sponsored by:
DPSG-W
SSEP
(Sweet Success Extension Program)

Sansum Diabetes Research Institute

Registration: Early-bird ends 01/31/2012 - Regular ends 03/31/12

Register early - Limited seating
Jacket or wrap may be needed as rooms are often cool

Brochure and online registration info:
Www.sweetsuccessexpress.com/conferences.htm
This conference focuses on research design and methodology as well as health outcomes related to diabetes and pregnancy. There is increasing prevalence of obesity and diabetes during pregnancy and in the general population of reproductive-age women. This serves as the catalyst for collaboration among diabetes and reproductive health specialty groups to engage in research aimed at discovering the underlying causes, prevention, and treatment of these chronic conditions. A major goal of study is the development of effective treatment modalities to prevent or reduce the rates of diabetes, obesity and associated birth defects as well as to improve perinatal outcomes.

Experts from Obstetrics, Endocrinology, Pediatrics, Nutrition, Epidemiology, Behavioral Medicine and Basic Science will present current research related to the mechanisms of diabetes during pregnancy and the role of obesity. Topics will cover the reproductive lifecycle from pre-pregnancy through postpartum and include crucial information about the implications of intrauterine exposure on infant and child health outcomes.

### COURSE OBJECTIVES

Attendees should, at the conclusion of this course, be able to:

- Discuss the impact of care for women with diabetes from a public health perspective
- Better understand the implications of intrauterine exposure to diabetes on infant and child health outcomes
- Recognize the role of the placenta related to maternal over-nutrition and fetal nutrition
- Gain insights as to the mechanisms of diabetes related to induced birth defects at the molecular level; effects of peroxisome proliferator-activated receptor (PPAR) activation in the placenta and the fetus; and hereditary implications
- Review the roles and management strategies of obesity, bariatric surgery and weight gain during pregnancy
- Discuss the modalities for diagnosing and treating fetal congenital anomalies before birth
- Examine the benefits and teratogenic risks of medications used for the treatment of diabetes and its complications during pregnancy
- Appreciate the positive influences of pregnancy planning and preconception care on mother and offspring, particularly those who are obese or have diabetes
- Discover new methods for encouraging health care providers regarding the need for care for reproductive age women who have diabetes
- Examine the unique impacts of ethnicity on perinatal outcome

### ACCREDITATION

AMA PRA Category 2 credit™ is self-designated and claimed by individual physicians for participation in activities not certified for AMA PRA Category 1 credit™. Participants should only claim credit commensurate with their level of participation. SSEP is a non-profit organization and has no commercial conflict of interest. Participants may claim credit for participation in activities not certified for AMA PRA Category 1 Credit™.

### MODERATORS

- **David A. Sacks, MD**: Pasadena, California
- **John Kitzmiller, MD**: San Jose, California
- **Jacob E. Friedman, PhD**: Denver, Colorado
- **Lary Cousins, MD**: San Diego, California
- **Bary Block, MD**: Loma Linda, California
- **David J. Perlitt, MD**: Santa Barbara, California

### PLANNING COMMITTEE

- **Co-Chair: David A. Sacks, MD**: Pasadena, California
- **Co-Chair: John Kitzmiller, MD**: San Jose, California
- **Adolfo Correa, MD**: Atlanta, Georgia
- **M. Joann Henry, RNC, MSN**: Fountain Valley, California
- **Lois Jovanovic, MD**: Santa Barbara, California
- **Siri Kjos, MD, MSEd**: Torrance, California
- **Jean M. Lawrence, ScD, MPH, MSA**: Pasadena, California
- **David J. Perlitt, MD**: Santa Barbara, California

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**FACULTY**

- **Linda Barbour, MD, MSPH**: Professor of Medicine & OB/GYN, Division of Endocrinology & Maternal-Fetal Medicine, University of Colorado, Denver
- **Kathleen Berkowitz, MD**: Perinatologist, Memorial Care Center for Women, Miller, Children’s Hospital, Long Beach, California
- **Mary Helen Black, PhD**: Research Scientist Biostatistician, Department of Research & Evaluation, Kaiser Permanente So. California Medical Group, Pasadena, California
- **Thomas A. Buchanan, MD**: Professor of Medicine, OB/GYN, & Physiology & Biophysics, University of Washington, Seattle, Washington
- **Ellen W. Seely, MD**: Professor Pediatrics & Family & Preventive Medicine, University of California San Diego, La Jolla, California
- **Kathryn Stienhaus French, MS, CGC**: Research & Evaluation, Kaiser Permanente So. California, Pasadena, California
- **Anny Xiang, PhD**: Physiology & Biophysics University Southern California, Los Angeles, California
- **Richard M. Watanabe, PhD**: Laboratory of Reproduction & Development, School of Nursing, Pittsburgh, Pennsylvania
- **Sharmila Chatterjee, MSc, MS, RD, LD, CDE**: Diabetes Educator, NorthShore University Health System, Evanston, Illinois
- **Adolfo Correa, MD, MPH, PhD**: Senior Scientist, CDC, Atlanta, Georgia
- **Alberto de Leiva, MD, PhD, MHE, MA**: Professor, Autonomous University of Barcelona, Barcelona, Spain
- **Denise Feig, MD**: Associate Professor of Medicine, University of Toronto, Toronto, Ontario, Canada
- **Kathryn Stienhaus French, MS, CGC**: Health Sciences Clinical Professor, Division of Genetics & Metabolism, University of California, Irvine Medical Center, Orange, California
- **Sylvie Haugel-de Mouzon, PhD**: Professor of Cell Biology, Case Western University, Cleveland, USA
- **Leonard Jack, Jr, PhD, Msc**: Editor-in-Chief, Health Promotion Practice
- **Mary R. Loeken**: Research Investigator, Section on Islet Cell & Regenerative Biology, Joslin Diabetes Center, Associate Professor, Department of Medicine, Harvard Medical School, Boston, Massachusetts
- **Elizabeth Mathiesen, MD**: Professor in Endocrinology, Chief Physician, Faculty of Health Sciences, University of Copenhagen, University Hospital of Copenhagen, Rigshospitalet, Denmark
- **Jorge Mestman, MD**: Professor of Medicine & Obstetrics & Gynecology, Director of USC Center for Diabetes and Metabolic Diseases; Department of Medicine, University of Southern California, Los Angeles, California
- **Martin N. Montoro, MD**: Professor of Clinical Medicine & OB/GYN, Division of Maternal-Fetal Medicine, Keck School of Medicine, University of Southern California, LAC-USC Medical Center, Los Angeles, California
- **Thomas R Moore, MD**: Professor & Chairman, Department of Reproductive Medicine, University of California, San Diego School of Medicine, San Diego, California
- **Ellen W. Seely, MD**: Vice Chair, Faculty Development, Department of Medicine, Director of Clinical Research, Endo, Diabetes & Hypertension Division, Brigham & Woman’s Hospital, Professor Of Medicine, Harvard Medical School, Boston, Massachusetts
- **Penina Segall-Gutierrez, MD, MSc**: Co-Director, Fellowship in Family Planning, Assistant Professor of Clinical OB/GYN & Family Medicine, Department of OB/GYN, LAC-USC/Keck School of Medicine, Los Angeles, California
- **Naomi E. Stotland, MD**: Associate Professor, Department of OB/GYN, & Reproductive Sciences, University of California, San Francisco
- **Eric Walsh, MD, MPH**: Director of Public Health/ Health Officer, City of Pasadena California
- **Richard M. Watanabe, PhD**: Associate Professor, Preventive Medicine & Physiology & Biophysics University Southern California, Los Angeles, California
- **Anny Xiang, PhD**: Research Scientist II/Biostatistician, Department of Research & Evaluation, Kaiser Permanente So. California, Pasadena, California
- **Naomi E. Stotland, MD**: Research Scientist III/Biostatistician, Department of OB/GYN, & Physiology & Biophysics University Southern California, Los Angeles, California
- **David J. Pettitt, MD**: Santa Barbara, California
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**COURSE DESCRIPTION**

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Nurses: SSEP is a provider approved by the California Board of Registered Nursing Provider #1517 for 16 Contact Hours (7.5 hr. day 1; 7.5 hr. day 2; 1 hr. Poster Sessions). Certificates available at end of conference for pre-registered attendees.

Physicians: Bohn accredited programs may be submitted as AMA PRA Category 2 credit™.

RD/DR: Application has been submitted to Commission on Dietetic Registration for CPEUs.
**LODGING**

Westin Hotel  
191 N Los Robles Ave.  
Pasadena, CA 91101  
(626) 792-2727

Group rate of $159 available until April 17, 2012 - Reserve room online:  
http://www.starwoodmeeting.com/Book/DPSGW

**PARKING:** Hotel Guest Parking: Valet only $14/day;  
Participant parking- $14/day Self (no repeated access)  
or Valet parking $16/day (unlimited access)

**AIRPORTS** serving this area include:  
Los Angeles Airport (LAX) and  
Burbank Airport (Bob Hope Airport)

**TRANSPORTATION**

Super Shuttle: Airport to Hotel commercial shuttle services available  
from Burbank airport ($15-20/person) and from LAX ($25/32/person).  
Advance Reservations not needed. See: www.supershuttle.com

Taxi: From Burbank Airport ($45-50+) - From LAX ($90-100+).  
Town Car: Arrange with Hotel - up to 3 people:  
From Burbank Airport ($57 plus 20%)  
From LAX ($87 plus 20%)

Brochure and online registration:  
[Http://www.sweetsuccessexpress.com/conferences.htm](http://www.sweetsuccessexpress.com/conferences.htm)

For more info, contact:  
SSEP  
(714) 968-0735  
ssep1@verizon.net

**PROGRAM LOCATION INFORMATION**

The Westin, located in the architecturally rich city of  
Pasadena, California, provides contemporary comfort, a library  
that is an excellent place to reflect, and seasonal outdoor heated  
rooftop pool with beautiful views. Their complimentary gym has  
spectacular views of the San Gabriel Mountains as you work out  
and prepare for the city's exquisite selection of restaurants.

In the heart of one of California's most exciting cities, the  
Westin Pasadena boasts easy access to cultural activities. Both the  
Pacific Asia Museum and the Pasadena Museum California Art  
are just a few blocks from the hotel. Historic Old Pasadena is within  
walking distance to the hotel as well. We will have Explore  
Pasadena Architecture brochures at our registration area.

Famous for hosting the annual Rose Bowl football game and the Tournament of Roses Parade, Pasadena is the home of  
many leading scientific and cultural institutions, including the  
California Institute of Technology (Caltech), the Jet Propulsion  
Laboratory (the leading robotics and spacecraft design and  
manufacturing NASA center), Art Center College of Design, the  
Pasadena Playhouse, California School of Culinary Arts Pasadena,  
The Huntington Library, Art Collections, and Botanical  
Gardens are located just a few miles away with beautiful gardens,  
ancient literature, amazing art collections, and their memorable  
History of Science Exhibit.

**LIABILITY & INSURANCE**

The conference secretary and organizers cannot accept liability for personal accidents or loss of or  
damage to private property of participants and  
accompanying persons, either during or indirectly arising  
from the DPSG-W 2012 Conference. Participants should  
do their own arrangements with respect to health and  
travel insurance.

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**PROGRAM FEES**

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<thead>
<tr>
<th>Program</th>
<th>Early</th>
<th>Regular</th>
<th>Late</th>
<th>At Door</th>
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<tbody>
<tr>
<td>Physician(CMEs)</td>
<td>$295</td>
<td>$325</td>
<td>$355</td>
<td>$395</td>
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<tr>
<td>Other Lic. Prof.</td>
<td>$265</td>
<td>$295</td>
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Payment MUST be received in OFFICE or Marked by:

- Early: by 1/31  
- Regular: by 3/31  
- Late: by 5/7 (As space allows)

**CANCELLATION POLICY**

Written request up to 10 days prior to event: Registration fee refund minus $50 cancellation fee. Cancellations within 10 days may send substitute with written instructions. Cancellation request must be in  
writing. No refunds given after 5/7/12. No refunds for "no shows".

**CONTACT INFORMATION**

Mail Your Registration To:  
SSEP  
POB 9705, Fountain Valley, CA 92728  
Register by Ph/Fax:  
714-968-0735

Brochure & online registration available at:  
[www.sweetsuccessexpress.com/conferences.htm](http://www.sweetsuccessexpress.com/conferences.htm)
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>7:00</td>
<td>Registration, Breakfast and Poster Viewing</td>
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<tr>
<td>7:45</td>
<td>Welcome: David Sacks MD</td>
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<tr>
<td>8:00</td>
<td>Overview: Diabetes in women from the perspective of Public Health.</td>
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<td></td>
<td>Moderator: David Sacks MD / John Kitzmiller MD</td>
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<tr>
<td>8:00</td>
<td>Trends in prevalence of diabetes in the US - 1993-2009 - Adolfo Correa MD MPH PhD</td>
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<td>8:30</td>
<td>The Affordable Care Act: How it will impact care for women with diabetes - Eric Walsh MD MPH</td>
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<tr>
<td>9:00</td>
<td>Mechanisms of diabetes in pregnancy. Moderator: Jacob (Jed) Friedman PhD</td>
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<td>9:00</td>
<td>Fetal nutrition and over-nutrition: Role of the placenta in diabetes and obesity - Sylvie Hauguel-de Mouzon PhD</td>
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<td>9:30</td>
<td>Effects of PPAR activation in the placenta and the fetus: Implications in maternal diabetes - Alicia Jawerbaum PhD</td>
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<tr>
<td>10:00</td>
<td>Break and poster viewing</td>
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<tr>
<td>10:30</td>
<td>Molecular and genetic causes of diabetes-induced birth defects - Mary Loeken PhD</td>
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<td>11:00</td>
<td>Gestational diabetes: Is it in her genes? - Richard Watanabe PhD</td>
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<td>11:30</td>
<td>Decreased skeletal muscle IRS-1 activation and increased S6K1 activation predicts IGT subsequent to GDM - Linda Barbour MD MSPH</td>
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<tr>
<td>12:00</td>
<td>Lunch and poster viewing</td>
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<tr>
<td>1:00</td>
<td>Weight gain, and just passing through. Moderator: Larry Cousins MD</td>
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<tr>
<td>1:00</td>
<td>Diabetes in pregnancy: What is the role of obesity? - Patrick Catalano MD</td>
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<td>1:30</td>
<td>Bariatric surgery: Supplying nutrients, testing for GDM, weight gain - Kathleen Berkwitz MD</td>
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<td>2:00</td>
<td>Weight gain in pregnancy: How much is too much? Too little? - Naomi Stotland MD</td>
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<td>2:30</td>
<td>Macronutrient intake and GDM - Mary Helen Black PhD</td>
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<tr>
<td>3:00</td>
<td>Break and poster viewing</td>
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<tr>
<td>3:30</td>
<td>Teratogenicity and medications. Moderator: David Sacks MD</td>
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<tr>
<td>3:30</td>
<td>Counseling the diabetic woman diagnosed as having an anomalous fetus - Kathryn Steinhaus French MS CGC</td>
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<td>4:00</td>
<td>Teratogenicity of medications for treatment of diabetes and its complications in pregnancy - Christina Chambers PhD MPH</td>
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<td>4:30</td>
<td>Use of antidiabetic medicines before and during pregnancy - Jean Lawrence ScD MPH MSSA</td>
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<tr>
<td>5:00</td>
<td>Problems in the treatment of type 1 diabetes in pregnancy: Insulins, glucose monitoring, and hypoglycemia - Elizabeth Mathiesen MD</td>
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<tr>
<td>5:30</td>
<td>Adjourn</td>
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<tr>
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<tr>
<td>8:00</td>
<td>The future for the mother and child. Moderator: John Kitzmiller MD</td>
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<td>8:00</td>
<td>Medical interventions after pregnancy complicated by GDM to prevent type 2 diabetes - Tom Buchanan MD</td>
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<td>8:30</td>
<td>Fetal exposure to GDM and subsequent metabolic syndrome - Tom Moore MD</td>
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<td>9:00</td>
<td>Preconception care for adolescents with diabetes - Denise Charron-Prochownik PhD RN CPNP</td>
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<td>9:30</td>
<td>Pregnancy planning for women who have overt diabetes - Denice Feig MD</td>
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<td>10:00</td>
<td>Contraception and sterilization for women with GDM and those with pregestational diabetes - Penina Segall- Gutierrez MD MSc</td>
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<td>10:30</td>
<td>Break and poster viewing</td>
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<tr>
<td>11:00</td>
<td>Original research. Moderator: TBA: Jacob (Jed) Friedman PhD</td>
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<td>11:15</td>
<td>Oral Abstract</td>
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<td>11:30</td>
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<td>Lunch and poster viewing</td>
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<tr>
<td>1:00</td>
<td>Diabetes in pregnancy: History, Education, Complications and Prevention. Moderator: Barry Block MD</td>
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<tr>
<td>1:00</td>
<td>The first woman with type 1 diabetes to be treated with insulin - Alberto de Leiva MD PhD MHE MA</td>
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<td>1:30</td>
<td>Educating healthcare providers regarding care for the reproductive age woman who has diabetes - Sril Kjos MD MSeD</td>
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<tr>
<td>2:00</td>
<td>Diabetes and thyroid disease: What we’ve recently learned - Martin Montoro MD</td>
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<td>2:30</td>
<td>Bariies to prevention of type 2 diabetes after GDM - Ellen W. Seely MD</td>
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<tr>
<td>3:00</td>
<td>Break and final poster viewing</td>
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<tr>
<td>3:30</td>
<td>Problems unique to the care of diabetes in pregnancy in minority women. Moderator: David J. Pettitt MD</td>
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<td>3:30</td>
<td>Are all racial and ethnic groups at the same risk for development of GDM and for type 2 diabetes following GDM7 - Anny Xiang PhD</td>
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<tr>
<td>4:00</td>
<td>Problems unique to the care of diabetes in pregnancy in African Americans women - Leonard Jack Jr. PhD MSc</td>
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<td>4:30</td>
<td>Problems unique to the care of diabetes in pregnancy in Central- and Mexican Americans women - Jorge Mestman MD</td>
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<tr>
<td>5:00</td>
<td>Problems unique to the care of diabetes in pregnancy in Asian Subcontinent Indians - Sharmila Chatterjee MSc MS RD LD CDE</td>
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<tr>
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<td>Adjourn</td>
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