WHERE THE WORLD OF ENDOCRINOLOGY MEETS
Dear Colleague,

The Endocrine Society’s 95th Annual Meeting & Expo, ENDO 2013, promises exceptional science for endocrine researchers and practitioners. Working with Society President William F Young, Jr, the Annual Meeting Steering Committee has developed a program that covers endocrinology from bench to bedside and provides unique perspectives on endocrinology in the media. With 8,000 attendees and 2,600 abstracts anticipated, ENDO 2013 promises to be an excellent venue for scientific exchange and networking.

Among the many notable speakers at ENDO, the plenary slate will feature experts in metabolism, cancer, adrenal diseases, growth, signaling, and genomics. The Clinical Investigator Award Lecture will be presented by Steven Kahn, who will highlight the roles of beta cells in type 2 diabetes pathogenesis. In the Gerald D Aurbach Award Lecture, Mitchell Lazar will explore the influence of circadian epigenomic regulation on metabolism. Donald McDonnell will examine the estrogen receptor’s mediation of bone and breast pathologies in the Roy O Greep Award Lecture. Gary Hammer will present the Edwin B Astwood Award Lecture on the implications of adrenal stem cells for human disease.

The 2013 Clark T Sawin Memorial History of Endocrinology Lecturer, Jesse Roth, will present an insightful review of more than a century of advances in signaling research that form the foundation of the science and practice of endocrinology.

We are excited to bring you several special sessions, including “Year In” lectures, master clinician sessions, clinical practice guidelines, and practice management workshops. Attendees interested in genomics will not want to miss Peggy Farnham’s Special Scientific Session on accessing and using genomic data.

In addition, we are proud to offer many opportunities for our in-training and early career members, including the Early Career Forum, Career Development Workshops, the Presidential Poster Competition, and the new Featured Poster Presentations. This new presentation format will provide top-scoring poster presenters with the opportunity to give brief podium presentations highlighting their posters.

Several preconference events will be held, including the Diabetes Diagnosis and Management Workshop and Hands-on Thyroid Ultrasound Workshops. Closing the meeting, the GPCR forum features global experts presenting insights into GPCR structure/function and roles in metabolic regulation.

Please look through the Advance Program for detailed information on ENDO 2013. We look forward to seeing you in San Francisco!

Diane M Robins, PhD
University of Michigan Medical School
Chair, ENDO 2013

Daniel Marks, MD, PhD
Oregon Health & Science University
Basic Science Chair, ENDO 2013

R Michael Tuttle, MD
Memorial Sloan Kettering Cancer Center
Clinical Science Chair, ENDO 2013

Table of Contents

San Francisco ........................................... 1
Annual Meeting Contributors ......................... 2
Plenary Sessions ....................................... 3
Preconference Events ................................... 6
ENDO Expo ............................................. 8
GPCR FORUM ........................................ 9
Early Career .......................................... 10
Conference Events ..................................... 13
Scientific Symposia Sessions ......................... 16
ENDO 2013 Schedule .................................. insert
Meet-the-Professor Sessions .......................... 24
Case Management ..................................... 26
Travel ................................................... 27
Hotel Map .............................................. 28
Registration Information .............................. 29
Housing Information .................................. 30
CME ..................................................... 30
Contact Information ................................... 31
ENDO 2013 Supporters .............................. 32
San Francisco

The 95th Annual Meeting & Expo takes place in the newly renovated North and South buildings of the Moscone Center. San Francisco is often called "Everybody’s Favorite City," a title earned by its scenic beauty, cultural attractions, diverse communities, and world-class cuisine. Measuring 49 square miles, this very walkable city is dotted with landmarks like the Golden Gate Bridge, cable cars, Alcatraz, and the largest Chinatown in the United States. A stroll of the city’s streets can lead to Union Square, the Italian-flavored North Beach, Fisherman’s Wharf, the Castro, Japantown, and the Mission District, with intriguing neighborhoods to explore at every turn.

Views of the Pacific Ocean and San Francisco Bay are often laced with fog, creating a romantic mood in this most European of American cities. The city has a colorful past, growing from a small village to a major city nearly overnight as a result of the 1849 Gold Rush.

The city is home to world-class theater, opera, symphony, and ballet companies and often boasts premieres of Broadway-bound plays and culture-changing performing arts. San Francisco is also one of America’s greatest dining cities. The diverse cultural influences, proximity of the freshest ingredients, and competitive creativity of the chefs result in unforgettable dining experiences throughout the city.

Late-Breaking Abstracts

The Endocrine Society will accept late-breaking abstract submissions for ENDO 2013 from April 1 through April 12, 2013. The initiative is not a deadline extension but rather an endeavor to bring the very latest high-impact endocrine research to ENDO 2013.

Only abstracts detailing significant late-breaking results will be considered. A limited number of these abstracts will be accepted for presentation in a late-breaking oral or poster session.

Deadline for submission is April 12, 2013, at 12:00 PM (Noon) ET.

Key Dates:

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Late-Breaking Abstracts Deadline</td>
<td>April 12</td>
</tr>
<tr>
<td>Group Housing Deadline</td>
<td>April 24</td>
</tr>
<tr>
<td>Early Registration Deadline</td>
<td>April 24</td>
</tr>
<tr>
<td>Housing Request Deadline</td>
<td>May 22</td>
</tr>
<tr>
<td>Regular Registration Deadline</td>
<td>May 22</td>
</tr>
<tr>
<td>Late/On-Site Registration</td>
<td>May 23 – June 18</td>
</tr>
</tbody>
</table>
ANNUAL MEETING CONTRIBUTORS

ANNUAL MEETING STEERING COMMITTEE

Diane Robins, PhD
ENDO 2013 Chair
Univ of Michigan Med Sch

Daniel Marks, MD, PhD
Basic Science Chair
Oregon Hlth & Scis Univ

R Michael Tuttle, MD
Clinical Science Chair
Mem Sloan Kettering Cancer Ctr

Wiebke Artl, MD, DSc, FRCP, FMEdSci
Univ of Birmingham (UK)

Gregory A Brent, MD
VA Greater LA Hlthcare Syst

Laura Maria Calvi, MD
Univ of Rochester

Marc-Andre Cornier, MD
Univ of Colorado Sch of Med

Cheri L Deal, MD, PhD
Sainte-Justine Hosp (Canada)

Patricia V Elizalde, PhD
Inst de Biol y Med Exp (Argentina)

Murray J Favus, MD
Univ of Chicago

Ghada El-Hajj Fuleihan, MD, MPH
Amer Univ of Beirut Med Ctr (Lebanon)

Dana Gaddy, PhD
Univ of Arkansas Med Scis

Lucia Ghizzoni, MD, PhD
Univ degli Studi di Torino (Italy)

Ashley Grossman, MD, FRCP
Univ of Oxford (UK)

Annette Grueters, MD, PhD
Charité Universitätsmedizin Berlin (Germany)

Arthur Gutierrez-Hartmann, MD
Univ of Colorado-Denver

Robert J Handa, MS, PhD
Univ of Arizona Coll of Med-Phoenix

Anthony N Hollenberg, MD
Beth Israel Deaconess Med Ctr

Malcolm Low, MD, PhD
Univ of Michigan Med Sch

Christopher R McCartney, MD
Univ of Virginia Hlth Syst

Robert P Millar, PhD
Univ of Pretoria (South Africa)

Sue Moenter, PhD
Univ of Michigan

John Newell-Price, MD, PhD
Univ of Sheffield (UK)

Matti Poutanen, PhD
Univ of Turku (Finland)

Pere Puigserver, PhD
Dana-Farber Cancer Inst/Harvard Med Sch

Elliot J Rayfield, MD
Mt Sinai Sch of Med

Charles T Roberts, Jr, PhD
Oregon Natl Primate Res Ctr

Hironobu Sasano, MD, PhD
Tohoku Univ Sch of Med (Japan)

Deborah L Segaloff, PhD
Univ of Iowa Coll of Med

Donald C Simonson, MD
Brigham & Women's Hosp

Frances M Sladek, PhD
Univ of California-Riverside

Carolyn L Smith, PhD
Baylor Coll of Med

Donald J Tindall, PhD
Mayo Clin

Matthias Tschoep, MD
Helmholtz Zentrum Munchen (Germany)

Jenny A Visser, PhD
Erasmus Med Ctr (The Netherlands)

Frederick C Wu, MD
Manchester Royal Infirmary (UK)

Humphrey Yao, PhD
NIEHS/NIH

Philip Zeitler, MD, PhD
Children’s Hosp Colorado

Oﬃcers

William F Young, Jr, MD, MSc
President

Teresa K Woodruff, PhD
President-Elect

Janet E Hall, MD
Past President

John C Marshall, MD, PhD
Secretary-Treasurer

Kenneth H Hupart, MD
Secretary-Treasurer-Elect

Ursula Kaiser, MD
Vice President (Basic Scientist)

Alan D Rogol, MD, PhD
Vice President (Physician-in-Practice)

Margaret E Wierman, MD
Vice President (Clinical Scientist)

COUNCIL

E Dale Abel, MD, PhD
At-large

Shalender Bhasin, MD
Clinical Scientist Seat

Gary D Hammer, MD, PhD
At-large

M Carol Greenlee, MD
At-large

Howard B A Baum, MD
Physician-in-Practice Seat

Richard Robbins, MD
At-large

Dolores M Shoback, MD
At-large

Gloria S Tannenbaum, PhD
Basic Scientist Seat

Jon E Levine, PhD
Ex-Officio (Nominating Committee Chair)

Kristen R Vella, PhD
Ex-Officio (Trainee & Career Development Core Committee Co-Chair)

Scott Hunt, MBA
Ex-Officio (Executive Director & CEO)
Plenary Sessions

Saturday, June 15
7:30 – 9:00 AM

Clinical Investigator Award Lecture:
The Beta-Cell: Is it the Key to the Pathogenesis of Type 2 Diabetes?
(Supported by Novo Nordisk Inc.)
Steven E. Kahn, MB, CHB
Univ of Washington, VA Puget Sound Hlth Care Syst

The pathophysiology of type 2 diabetes is complex, involving changes in a number of organ systems that integrate glucose metabolism. Impaired insulin release characterizes the beta-cell lesion of this disorder and also determines the progression from states of high risk to the hyperglycemia that typifies type 2 diabetes. Physiologic changes in beta-cell function will be highlighted in order to inform how therapeutic approaches need to be developed in order to reduce the burden of the disease.

Molecular Targets for the Effects of Bariatric Surgery
Randy J. Seeley, PhD
Univ of Cincinnati

Bariatric surgery not only causes weight loss but also improves a number of metabolic parameters including glucose control. Data from pre-clinical models of these procedures makes it possible to test specific hypotheses about what mediates these benefits. Identifying the key mechanisms for these actions represents an opportunity to not only understand how the GI tract regulates metabolism, but also a path to new treatment strategies for various aspects of the metabolic syndrome.

5:45 – 6:45 PM

Gerald D. Aurbach Award Lecture:
Circadian Epigenomic Regulation of Metabolism
Mitchell A. Lazar, MD, PhD
Univ of Pennsylvania

Many endocrine processes are circadian, and disturbances of normal rhythms can disrupt metabolism. Underlying these rhythms are molecular clocks, consisting of interdependent transcriptional feedback loops. The clock components, including nuclear heme receptors Rev-erbα and RAR, bind throughout the genome with coregulators that modify chromatin to rhythmically modulate gene expression in tissues. These circadian epigenomic rhythms orchestrate daily cycles of lipid and glucose metabolism that are required for normal physiology.

The Influence of Gonadal Aging on Other Biologic Systems
Wendy M. Kohrt, PhD
Univ of Colorado-Anschutz Med Campus

The loss of gonadal function causes a disruption in energy balance in laboratory animals via effects on energy intake, spontaneous physical activity, and metabolic rate. Such effects can be prevented or reversed with the administration of estradiol in females and testosterone in males. This lecture will focus on evidence that gonadal aging has similar effects on energy balance and metabolism in humans.

Sunday, June 16
7:30 – 8:45 AM

Roy O. Greep Award Lecture:
The Estrogen Receptor as a Mediator of the Pathological Actions in Cholesterol in Bone and Breast
(Supported by Novo Nordisk Inc.)
Donald P. McDonnell, PhD
Duke Univ Sch of Med

Hypercholesterolemia has been linked to an increased risk for breast cancer and osteoporosis. It is of significance, therefore, that 27-hydroxycholesterol (27HC), a primary metabolite of cholesterol, interacts with the estrogen receptor, disrupting the processes by which estrogens exert bone protective activities and exhibiting partial ER-agonist activity in the breast. Importantly, cholesterol, and by inference 27HC, is a modifiable risk factor and, with suitable interventions, a positive impact on bone and breast can be expected.

Targeting Nuclear Receptor Signaling in Nematodes: Conquering the Conqueror Worm
David J. Mangelsdorf, PhD
Howard Hughes Med Inst

The ability to regulate nutrient metabolism in both fed and starved states is a physiologic process that coincided with the evolution of nuclear receptors in all multi-cellular organisms. In mammals, these receptors have evolved to respond to cholesterol, bile acids, and fatty acids and thereby govern nutrient storage and utilization. Remarkably, a similar nuclear receptor pathway is conserved in nematode worms, and this has led to the unexpected discovery that this pathway may be exploited therapeutically to target nematode parasitism.

Register today at www.endo-society.org/endo2013
Sunday, June 16
5:45 – 6:45 PM

**Evolution of Body Size**
Ron G Rosenfeld, MD
Stat5 LLC (Los Altos, CA)

The size of organisms on Earth ranges over greater than 30 orders of magnitude, despite the fact that all life forms have evolved from unicellular forms. Changes in size and shape may confer advantages, both in terms of survival and in reproductive success, but may also reflect the impact of health and nutrition. The evolution of hominid size and gender differences will be discussed.

**The Role of the GH/IGF Axis in Skeletal Acquisition**
Shoshana Yakar, PhD
New York Univ Coll of Dent

The GH/IGF-1 axis plays a major role in determining bone size and mass in humans and animals. The intimate relationship between GH and IGF-1 has made it difficult to attribute discrete actions to each hormone. In the past two decades, a great deal of effort has been made to unravel these functions. We will discuss the tissue-specific effects of GH and IGF-1 on the skeleton and place these effects, where possible, in the context of human disease.

Monday, June 17
7:30 – 8:45 AM

**New Insights into Aldosterone-Producing Adenoma and Inherited Aldosteronism: Mutations in the K+ Channel KCNJ5**
Richard P Lifton, MD, PhD
Yale Univ Sch of Med

We have used human genetics to identify alterations in the potassium channel KCNJ5 that contribute to hypertension. Significantly, similar KCNJ5 mutations are present in aldosterone-producing adenomas and a Mendelian form of primary aldosteronism. These mutations affect the protein structure and selectivity filter of the channel leading to increased sodium conductance and hypertension. Study of these mutations may lead to more specific diagnostic testing as well as targeted therapeutics for these diseases.

5:45 – 6:45 PM

**The Edwin B Astwood Award Lecture:**
Translating Adrenal Stem Cells: Implications for Human Disease
Gary D Hammer, MD, PhD
Univ of Michigan

The adrenal is an essential mediator of stress. Defects in adrenocortical growth and differentiation observed by Addison, Cushing, Conn and countless Society investigators reflect a dynamic endocrine organ that centripetally replenishes steroidogenic cells throughout life. The characterization of the homeostatic unit of the adrenal capsule and underlying cortex, together with associated pathways that dictate self-renewal, multi-potency, and fate of adrenocortical stem cells, will be discussed in the context of translating discovery into therapies for adrenal diseases.

5:45 – 6:45 PM

**African Integrative Genomics:**
Analyses of Metabolic and Anthropometric Traits
Sarah Tishkoff, PhD
Univ of Pennsylvania Sch of Med

Africa is the site of origin of modern humans, contains the greatest levels of human genetic variation, and is the source of the worldwide range expansion of modern humans outside of Africa. Differences in diet, climate, and exposure to pathogens among diverse African populations have produced distinct selection pressures, resulting in genetic adaptations, some of which play a role in disease susceptibility. We are using an integrative genomics approach to study genetic and environmental factors influencing anthropometric and metabolic traits across Africans.
Tuesday, June 18
11:15 AM – 12:15 PM
Accomplishments and Controversies in Cancer Prevention and Control
(Otis Brawley, MD, American Cancer Society)
There has been significant progress in the “war on cancer.” Indeed, there has been a 20% decrease in age-adjusted mortality over the past twenty years. Despite this, there is still significant controversy about the usefulness of certain screening technologies, especially for thyroid, breast, and prostate cancer. There are also concerns regarding the effectiveness of certain treatments and prevention technologies.

The Role of Microenvironment in Cancer Progression
(Zena Werb, PhD, Univ of California, San Francisco)
Cancer is an aberration of normal organ structure. In addition to tumor cells, the host response to the tumor cells includes extra-cellular matrix, fibroblasts, vasculature, and the accompanying non-cancerous inflammatory and immune cells. Emerging information suggests that the stroma plays critical roles in whether the tumors are rejected, lie dormant, or grow and metastasize. Altering these factors could potentially prevent or even reverse cancer metastasis, the process that ultimately kills patients.

Clark T Sawin Memorial History of Endocrinology Lecture
Tuesday, June 18
12:30 – 1:15 PM
Jesse Roth, MD, the Delbert A Fisher Research Scholar, will present an insightful and engaging review of more than a century of advances in signaling research.
The Endocrinization of Biology and Medicine: Twin Revolutions in Our Time
Jesse Roth, MD, Feinstein Inst for Med Res; Hofstra North Shore-LIJ Sch of Med; Albert Einstein Coll of Med, Yeshiva Univ
We now know that every cell is a secretory cell and a target cell, releasing and responding to multiple messenger molecules. The mechanisms that operate this vast network of communication were established over a period of 150 years by endocrinologists in their study of glands, hormones, and target cells. This presentation will show how ideas and mechanisms developed in endocrinology, one small enclave, spread to revolutionize all of biology and medicine. Examples include new emerging areas of intercellular communication and applications to human diseases.

The Endocrine Society thanks Dr and Mrs Delbert A Fisher for their generous support, which makes this award possible. Applications for the Delbert A Fisher Research Scholar Award are solicited in the fall of the preceding year.

Special Scientific Session
Tuesday, June 18
12:30 – 1:15 PM
Accessing and Using Genomic Data
Peggy Farnham, PhD, Univ of Southern California
In this practical session, attendees will learn about cutting-edge tools for analyzing genome-wide expression, transcription factor binding, and chromatin structural data. Peggy Farnham, PhD, a member of the ENCODE Consortium, will provide guidance on how to access and evaluate the quality of these data.

For up-to-date information, visit www.endo-society.org/endo2013
Diabetes Diagnosis and Management 2013

Friday, June 14
9:00 AM – 5:30 PM
(Supported by Dexcom, Inc.)

**Program Chairs:**
Kieren Mather, MD, Indiana Univ
Graham McMahon, MD, Brigham and Women’s Hosp
Carol Wysham, MD, Univ of Washington Sch of Med; Rockwood Clinic PS

Co-sponsored by The Endocrine Society and the Hormone Health Network, this workshop focuses on current issues in clinical diabetes management. The interactive program is led by expert faculty and provides state-of-the-art updates focused on advanced practice challenges. Participants will have the opportunity to engage in case discussions, hear from renowned diabetes clinicians and researchers, and join Meet-the-Professor sessions.

**REGISTRATION FEES**
(Includes breakfast, lunch, and program book)
Member: $55
Nonmember: $90
Early Career/In-Training Member: $45

8:30 – 9:00 AM
Breakfast/Registration

9:00 – 9:05 AM
Introduction

9:05 – 9:50 AM
Evidence-Based Patient Choice: A Shared Decision-making Approach to Diabetes Management
- Robert Gabbay, MD, PhD, Coll of Med

9:50 – 10:05 AM
Q&A with Dr Gabbay

10:05 – 10:15 AM
Break

10:15 AM – 12:15 PM
- Approaches to Beta Cell Preservation
  Steven Kahn, MD, Princeton Univ
- Non-Glycemic Effects of GLP-1
  David D’Alessio, MD, Univ of Cincinnati
- Transition from Insulin Pumps to Closed-Loop
  Stuart Weinzimer, MD, Yale Univ
- Novel Therapeutics
  Richard Pratley, MD, Sanford Burnham

12:15 – 12:45 PM
Panel Discussion

12:45 – 1:45 PM
Lunch

1:45 – 2:30 PM
Breakouts Round 1:
Meet-the-Professor Sessions
Each session (45 minutes) is repeated after a 15-minute break
- Continuous Glucose Monitoring
  Irl Hirsch, MD, Univ of Washington
- Transforming Patient Engagement: Motivational Interviewing to Support Shared Decision Making
  Robert Gabbay, MD, PhD, Penn State Coll of Med
- Insulin Pumps: Adult
  Howard Wolpert, MD, Joslin Diabetes Ctr
- Insulin Pumps: Pediatric
  Lori Laffel, MD, MPH, Joslin Diabetes Ctr
- Inpatient Management
  Guillermo Umpierrez, MD, Emory Univ
- Lipids Master Class
  Robert Eckel, MD, Univ of Colorado

2:30 – 2:35 PM
Break

2:35 – 3:20 PM
Breakouts Round 2:
Repeat Meet-the-Professor Sessions

3:20 – 3:30 PM
Break

3:30 – 5:00 PM
Symposium: Hot Topics in Diabetes
- Sleep and Diabetes
  Eve Van Cauter, PhD, Univ of Chicago
- Cancer and Diabetes
  Derek LeRoith, MD, PhD, Mount Sinai
- Aging and Diabetes
  Jill Crandall, MD, Einstein Coll of Med

5:00 – 5:30 PM
Panel Discussion

2013 Corporate Liaison Board Forum
The CLB Forum highlights the collaboration between industry, academia, and healthcare agencies, both government and non-government, in approaches to treatment of endocrine disorders.

Friday, June 14
6:30 – 9:15 PM
San Francisco Marriott Marquis

Kick off ENDO 2013 with a special dinner symposium hosted by the Corporate Liaison Board of The Endocrine Society. Speakers representing basic science, clinical science, and industry will provide perspectives on the process of developing and conducting industry-supported investigator-initiated research.

Investigator-Initiated Research: Real World Experiences

**Program Director**
Barbara Lippe, MD, Genentech, Inc.

Path from Bench to Industry to Bedside: Lessons Learned from the Growth Hormone Receptor Antagonist
John Kopchick, MS, PhD, Ohio Univ/ Edison Biotech Inst

Navigating Industry Sponsored Programs: Clinical Scientist Perspective
Adrian Vella, MD, Mayo Cl

What is Industry Looking For?
S Sethu Reddy, MD, MBA, Merck & Co., Inc.

This session is not eligible for CME credit. There is no cost to attend, but pre-registration is required and will open April 1, 2013.
Hands-on Thyroid Ultrasound Workshops

ADVANCED HANDS-ON THYROID ULTRASOUND WORKSHOP
Registration limited to 90 participants

Friday, June 14
8:00 AM – 1:30 PM

Program Chair: Susan J Mandel, MD, MPH
Univ of Pennsylvania Sch of Med

This workshop is designed to introduce participants to the use of ultrasound for examination of the cervical lymph nodes and parathyroid adenomas. After four didactic lectures, participants move to a hands-on session where faculty will guide them through ultrasound techniques on patients with thyroid cancer and hyperparathyroidism.

REGISTRATION FEES
(Includes lunch and program book)
Member or ENS* Member $405
Nonmember $475
Early Career/In-Training Member $285

AGENDA
8:00 – 8:05 AM
Welcome and Introduction

8:05 – 8:30 AM
Metastatic Lymph Nodes: Why They Matter

8:30 – 9:15 AM
Ultrasound Evaluation of Lymph Nodes

9:15 – 9:40 AM
Parathyroid Ultrasound

9:40 – 10:00 AM
Cytology: Preparation and Interpretation

10:00 – 10:30 AM
Q&A Session

10:30 AM – 1:30 PM
Practicum
- Didactic ultrasound demonstration on metastatic thyroid cancer lymph nodes and parathyroid adenomas
- Hands-on session:
  - Imaging the Post-Operative Neck
  - Ultrasound-Guided Fine-Needle Aspiration
  - Cytology Preparation and Interpretation

INTRODUCTORY HANDS-ON THYROID ULTRASOUND WORKSHOP
Registration limited to 85 participants

Friday, June 14
1:30 – 6:30 PM

Program Chair: Susan J Mandel, MD, MPH
Univ of Pennsylvania Sch of Med

This workshop is designed to introduce participants to the use of ultrasound in diagnosing thyroid nodules and performing ultrasound-guided fine-needle aspirations. After four didactic lectures, participants move to a hands-on session where faculty will guide them through ultrasound techniques on simulated nodules.

REGISTRATION FEES
(Includes snacks and program book)
Member or ENS* Member $375
Nonmember $445
Early Career/In-Training Member $260

AGENDA
1:30 – 1:35 PM
Welcome and Introduction

1:35 – 2:00 PM
Physics of Ultrasound

2:00 – 2:45 PM
Ultrasound of Thyroid Nodules

2:45 – 3:00 PM
Break

3:00 – 3:25 PM
Ultrasound of Diffuse Thyroid Disorders

3:25 – 3:45 PM
Ultrasound-Guided Fine-Needle Aspiration

3:45 – 6:30 PM
Practicum
- Diagnostic Ultrasound
- Ultrasound-Guided Fine-Needle Aspiration
- Cytology Preparation and Interpretation

*ENS = Endocrine Nurses Society
Visit ENDOExpo at ENDO 2013!

**June 15 – 17**
10:30 AM – 4:00 PM Daily
Moscone Center

Visiting the ENDOExpo is a great way to have one-on-one conversations with exhibitors and receive insight that you just can’t learn from a brochure or website. Plus, enjoy the fun and interactive activities that take place on the Expo floor.

**YOUR CONFERENCE REGISTRATION GIVES YOU FREE ACCESS TO SEVERAL PROGRAMS AND ACTIVITIES AT ENDOExpo:**

- **ENDO Connect**
  Network with attendees and learn from technology experts. This is the perfect place to share data, discuss future collaborations, print CME certificates, and learn about new technology.

- **ENDOExpo Theater**
  The ENDOExpo Theater returns with exciting exhibitor presentations on products and services for endocrine physicians and scientists.

- **The Endocrine Society Booth**
  Get answers to your questions about the Society, including ENDOExpo activities, journals and publications, professional development opportunities, membership, and much more.

- **ENDO Store**
  A great place for convenient, one-stop shopping for The Endocrine Society merchandise and clothing.

- **Posters**
  View scientific posters presented by your colleagues. You’re guaranteed to find research of interest!


**THE NEXT TIME YOU DISCUSS YOUR ENDO PLANS WITH FRIENDS AND COLLEAGUES, SUGGEST MEETING AT THE EXPO!**
New Light on GPCRs in the Pathophysiology of Diabetes and Metabolic Disorders

Tuesday, June 18
1:30 – 7:30 PM

This year’s forum brings together global experts to present insights into GPCR structure/function and roles in metabolic regulation.

REGISTRATION FEES
(Includes reception and program book)
Member $115
Nonmember $165
Early Career/In-Training Member $45

1:30 PM
Welcome and Introduction

Symposium 1 — Consequences of Structural Variation in GPCRs and Their Ligands on Receptor Function

1:35 – 3:35 PM
Michel Bouvier, PhD, FCAHS, Univ of Montréal (Canada)
Conformational Diseases Resulting from GPCR Mis-Folding and Mis-Trafficking Mutations: Therapeutic Potential of Pharmacological Chaperones

Patrick Sexton, PhD, Monash Inst of Pharm Scis (Australia)
Ligand-Directed Bias and Polymorphic Variation in the Glucagon-Like Peptide-1 Receptor: Implications for Drug Discovery

Ralf Jockers, PhD, Univ René Descartes (France)
Functional Characterization of Multiple Melatonin MT2 Receptor Variants Associated with Type 2 Diabetes

Symposium 2 — Beta Cell GPCRs Involved in Metabolic Regulation

3:45 – 5:45 PM
David Piston, PhD, Vanderbilt Univ
Dopaminergic Regulation of Insulin Secretion from the Pancreatic Islet

Jurgen Wess, PhD, NIH
Beta Cell M3 Muscarinic Acetylcholine Receptors: Physiological Relevance and Potential Clinical Implications

Melanie Cobb, PhD, Univ of Texas SW Med Ctr
Nutrient Sensing in Beta Cells

5:45 – 6:30 PM
Closing Keynote Address
Graeme Milligan, PhD, Univ of Glasgow (Scotland, UK)
Variation in Response Between GPCR Species Orthologs: Opportunities and Challenges in Understanding Metabolic Regulation of Beta Cell Function

6:30 – 7:30 PM
Reception with Cash Bar

Endocrinology in the News
Sunday, June 16
1:00 – 2:00 PM

This special session will focus on interactions between scientists and the media with two researchers who have received increased scrutiny because of the controversial nature of their findings. Tyrone Hayes, well-known for his work in endocrine disruptors, and Robert Lustig, a pediatric endocrinologist critical of high-fructose corn syrup, will discuss their experiences and strategies for media relations.

Moderator: Joe Palca, PhD, National Public Radio

Endocrine Disrupting Chemicals
Tyrone Hayes, PhD, Univ of California, Berkeley

High-Fructose Corn Syrup
Robert Lustig, MD, Univ of California, San Francisco

ENDO Trivia Cup
Saturday, June 15
7:00 – 8:15 PM

With your hosts Bradley Anawalt and Jon Levine
Want to know which condition has been the focus of human clinical trials of pomegranate extract? Come to the Trivia Cup! This evening event invites teams of ENDO 2013 attendees to enjoy appetizers and a cash bar while competing with other teams to answer light-hearted endocrine trivia questions. Prizes are given to the winning team and for the most creative team name. The winning team has its name engraved on the ENDO Trivia Cup trophy. This event is gaining notoriety as a favorite tradition of ENDO attendees.

Free to all ENDO attendees. Preregistration encouraged. Register online at www.endo-society.org/endo/triviacup.
**EARLY CAREER CENTER**
Moscone Center

Come to the Career Center at ENDO 2013 to exchange ideas, information, and experiences! The Career Center is the hub of activity and meeting ground for young endocrinologists attending ENDO. Plan your day of scientific and career development sessions or enjoy a few quiet minutes before heading off to your next session. The Career Center will also host the Career Development Workshops.

**EARLY CAREER FORUM**
(formerly Endocrine Trainee Day)

**Friday, June 14**
8:00 AM – 6:00 PM
Moscone Center

The Early Career Forum is an opportunity for select postdoctoral fellows, clinical fellows, medical students, and graduate students to interact with their peers and be inspired by recognized experts in the endocrine community.

The Endocrine Society provides this popular day of programming tailored to basic science and clinical students and fellows. The program includes plenary lectures on translational endocrine research and two concurrent tracks of educational sessions.

Highlights of the program include advice on career choices from some of endocrinology’s most successful scientists and clinicians, as well as their perspectives on striking a healthy balance between career and personal life.

**REGISTRATION FEE**
$125

Advance registration is required and will open on March 1, 2013.

The application period for travel awards to attend the workshop is now closed. Workshop registration and meeting registration will be waived for travel award recipients.

**EARLY CAREER FORUM PROGRAM**
7:30 – 8:00 AM
Registration and Breakfast

8:00 – 8:15 AM
Welcome and Overview
William F Young, Jr, MD, MSc
President, The Endocrine Society

8:15 – 8:55 AM
Bench to Bedside and Back Again

8:55 AM – 5:30 PM
Create your own schedule with sessions from the concurrent tracks on the next page.

5:30 – 5:50 PM
ENDO A to Z: How to Get the Most from Attending the Annual Meeting

**EARLY CAREER RECEPTION**
Friday, June 14
6:00 – 7:30 PM
San Francisco Marriott Marquis

Catch up with colleagues and friends, enjoy light refreshments, and join The Endocrine Society in honoring all the ENDO 2013 travel grant recipients.
CLINICAL ENDOCRINOLOGY TRACK
9:00 – 9:55 AM
Clinical Careers Symposium
• How Did I Get Here? A Personal Journey

9:55 – 10:05 AM
Break

10:05 – 11:00 AM
Clinical Careers Breakout Sessions
• Careers in Industry
• Careers in Clinical Investigation
• Careers in Clinical Teaching
• Careers in Private Practice

11:00 – 11:05 AM
Break

11:05 AM – 12:00 PM
Clinical Careers Breakout Sessions (Repeat)

12:00 – 1:30 PM
Lunch and Career-Life Balance Discussion Groups*

1:30 – 2:10 PM
Landmarks in Endocrinology*

2:10 – 2:40 PM
The Endocrine Society Ambassador Exchange Program*

2:40 – 2:45 PM
Break

2:45 – 3:40 PM
Clinical Skills Breakout Sessions
• Tips and Tools for Planning the Next Steps
• Developing Clinical Teaching Skills
• Negotiations in Clinical Research and Private Practice
• Tips for Getting Your Work Published*

3:40 – 3:45 PM
Break

3:45 – 4:40 PM
Clinical Skills Breakout Sessions (Repeat)

4:40 – 4:50 PM
Break

4:50 – 5:30 PM
Topics in Career Development
• Opportunities for Education and Service*
• Health Care Reform in the US
• Tools for International Clinical Students and Fellows

BASIC SCIENCE TRACK
9:00 – 9:55 AM
Basic Science Careers Symposium
• Career Choices — What Are Your Options?

9:55 – 10:05 AM
Break

10:05 – 11:00 AM
Basic Science Careers Breakout Sessions
• Alternative Careers in Endocrinology
• Research and Teaching at a Liberal Arts College
• Careers in Government and Science Policy

11:00 – 11:05 AM
Break

11:05 AM – 12:00 PM
Basic Science Careers Breakout Sessions (Repeat)

12:00 – 1:30 PM
Lunch and Career-Life Balance Discussion Groups*

1:30 – 2:10 PM
Landmarks in Endocrinology*

2:10 – 2:40 PM
The Endocrine Society Ambassador Exchange Program*

2:40 – 2:45 PM
Break

2:45 – 3:40 PM
Basic Science Skills Breakout Sessions
• Tips and Tools for Planning the Next Steps
• Transitioning from PhD to Postdoc and Beyond
• Funding Opportunities, National and International Early Career Professionals
• Tips for Getting Your Work Published*

3:40 – 3:45 PM
Break

3:45 – 4:40 PM
Basic Science Skills Breakout Sessions (Repeat)

4:40 – 4:50 PM
Break

4:50 – 5:30 PM
Topics in Career Development
• Opportunities for Education and Service*
• Health Care Reform in the US
• Tools for International Basic Science Students and Fellows

Schedule is subject to change.

* joint session
PROMOTION AND TENURE WORKSHOP
Friday, June 14
1:00 – 7:00 PM
Moscone Center

The Promotion and Tenure Workshop provides junior faculty and mid-career professionals with an opportunity to expand their knowledge and develop skills that will help them secure promotion and/or tenure through in-depth discussions with expert faculty. The workshop will conclude with a networking reception to foster one-on-one interaction with faculty mentors.

REGISTRATION FEES
Member $50
Nonmember $75

The application period for travel awards to attend the workshop is now closed. Workshop registration will be waived for travel award recipients.

PROMOTION AND TENURE WORKSHOP PROGRAM
1:00 – 1:05 PM
Welcome and Introduction

1:05 – 1:35 PM
Lunch Presentation:
The Endocrine Society Committee Service and Your Career

1:40 – 2:40 PM
Work-Life Balance Lecture and Q&A

2:45 – 3:30 PM
Basic Science Breakouts
Promotion for Basic Scientists:
Expectations and Building a Strong Promotion Packet

3:35 – 4:20 PM
Understanding Evaluation for Promotion

Clinical/Clinical Research Breakouts
2:45 – 3:30 PM
Promotion for Clinical Faculty:
Expectations and Building a Strong Promotion Packet

3:35 – 4:20 PM
Understanding Evaluation for Promotion

4:20 – 4:30 PM
Break

4:30 – 5:00 PM
Panel Discussion: Understanding the Rules of the Games

5:05 – 5:50 PM
Mentoring for Success: Building Effective Mentorships

5:50 – 6:00 PM
Closing Remarks

6:00 – 7:00 PM
Networking Reception with Faculty

CAREER DEVELOPMENT WORKSHOPS
Moscone Center

Saturday, June 15

11:15 – 11:45 AM
Setting Up and Managing Your Lab

12:00 – 1:00 PM
Setting Up and Negotiating Your Clinical Practice

Sunday, June 16

11:30 AM – 12:45 PM
Careers in Industry
Hosted by the Corporate Liaison
Board of The Endocrine Society

2:00 – 2:45 PM
Opportunities for International Early Career Professionals

Monday, June 17

11:15 AM – 12:15 PM
Careers in Industry
Hosted by the Corporate Liaison
Board of The Endocrine Society

12:30 – 1:00 PM
Career Development Award Application*
In collaboration with the Association for Patient Oriented Research.

7:00 – 9:00 PM
How to Write a Successful Career Development Award Application*
In collaboration with the Association for Patient Oriented Research.

Tuesday, June 18

9:00 – 10:00 AM
NIH Health Disparities Research Opportunities

10:15 – 11:00 AM
Loan Repayment Program

*Held at the San Francisco Marriott Marquis
Vitamin D Workshop

Tuesday, June 11 – Friday, June 14
Palace Hotel

The Vitamin D Workshop brings together physicians and researchers with an interest in Vitamin D: its production, metabolism, mechanisms of action, and impact on physiologic processes and human disease. The meeting begins with an opening reception on Tuesday evening, June 11. The scientific sessions begin Wednesday, June 12, when we lead off with our first plenary speaker, John Stamatoyannopoulos, who will be talking about ENCODE, the hottest topic in science these days. On Friday morning our plenary speaker, Keith Yamamoto, in a joint session with the Aldosterone Congress, is giving us the latest in steroid hormone mechanism of action. Beginning the afternoon session on Friday, Cristina Palacios will be discussing the worldwide problem of vitamin D deficiency. These are but three of the 23 invited speakers leading off the various sessions throughout the three days.

This workshop is open to all ENDO attendees. The sessions on Friday are clinically oriented to appeal to general endocrinologists. To encourage ENDO attendees to come at least for the Friday sessions we are offering a reduced early bird registration rate of $100 for an all-day Friday pass, and $50 for those attending only the afternoon session. Rates at the door will be higher. Of course, we would like all ENDO attendees to consider coming for the whole program. To get the early bird rates for the Friday-only sessions, registration needs to be submitted by March 7. To view the program and obtain the registration and abstract forms, go to: http://vitamind.ucr.edu/workshop/16thworkshop.html.

Women in Endocrinology Reception and Dinner

Saturday, June 15
6:30 – 10:00 PM
San Francisco Marriott Marquis

Our featured speaker will be Dr William W Chin, Executive Dean for Research, Harvard Medical School. The WE annual dinner meeting is open to all WE members and interested endocrinologists, and offers ample opportunity for networking. Recipients of the WE 2013 Mentor Award, WE Young Investigator Awards, The Endocrine Society Early Career Forum Travel Awards, and Australasian Branch of Women in Endocrinology Travel Grant Awards will be recognized, in addition to reviewing a summary of WE activities during the previous year. All ENDO 2013 attendees are invited to attend this event. Since seating is limited, advance registration and payment are required.

Poster Sessions

Saturday, June 15 – Monday, June 17

ENDOEXPO
Poster Viewing
10:30 AM – 4:00 PM

Poster Discussions with Presenters and Judging for Presidential Poster Competition
1:45 – 3:45 PM

NEW! FEATURED POSTER PRESENTATIONS
A select number of poster presenters with high-scoring abstracts will be invited to give a brief podium presentation as a preview of their poster. Each presenter will have 3 minutes to review 3 slides highlighting the significance of their research. These sessions will take place at the beginning of extended oral sessions, on the same day as the presenter’s poster presentation.

The Association of Endocrine Chiefs and Directors Meeting

Saturday, June 15
7:00 – 9:30 PM
Marriott Marquis San Francisco, Yerba Buena Salon 6

The Association of Endocrine Chiefs and Directors (AECD) will hold its first annual meeting at ENDO 2013. The mission of AECD is to provide an organization for Chiefs/Directors of academic Divisions of Endocrinology, Diabetes, and Metabolism that will address issues important and relevant to establishing and maintaining successful clinical, research, and training operations.

The meeting will include a cocktail reception followed by dinner, as well as a general discussion and a presentation by the keynote speaker Dr Andrew Stewart, Irene and Arthur M Fishberg Professor and Director of the Diabetes, Metabolism, and Obesity Institute at Mount Sinai School of Medicine.

Registration is required.

REGISTRATION FEES
Members: $50
Nonmembers: $75

To learn more about AECD, visit www.endo-society.org/aecd or contact us at aecd@endo-society.org.

For up-to-date information, visit www.endo-society.org/endo2013
Endocrine Nurses’ Society Symposium and Poster Session

Sunday, June 16

7:00 AM – 5:15 PM
InterContinental San Francisco, Grand Ballroom AB

7:00 AM
Registration and Breakfast

7:30 – 8:30 AM
Cushing Disease
Beverly MK Biller, MD, Massachusetts Gen Hosp
Karen Liebert, RN, Massachusetts Gen Hosp

8:30 – 9:30 AM
Good Fat vs Bad Fat
Hideo Makimura, MD, PhD, Massachusetts Gen Hosp

9:30 – 9:45 AM
Break

9:45 – 10:45 AM
Hypogonadism
Robert Adler, MD, McGuire Vet Affairs Med Ctr

10:45 – 11:45 AM
Thyroid Cancer
Richard Robbins, MD, The Methodist Hosp

11:45 AM – 12:45 PM
Lunch
Members: Free
Nonmembers: $25

1:00 – 2:00 PM
Breakout Sessions
Repeating at 2:00 – 3:00 PM

Research
Margaret Eckert-Norton, MD, SUNY Downstate Med Ctr
Dawn Weiller, PhD, APRN, ANP, Boise State Univ

Pituitary 101
Michelle Gurel, RN, Massachusetts Gen Hosp

Endocrine Stimulation Testing
Roberta Hower, RN, Lehigh Valley Hosp

Osteoporosis Prevention
Patricia Via, NP, McGuire VA Med Ctr

Diabetic Visual Aides
Elaine McLeod, NP, Tennessee Valley Healthcare Syst

Carbohydrate Counting
Lynn Coppolo, RN, CDE, Bassett Med Ctr

2:00 – 3:00 PM
Breakout Sessions (Repeat)

3:15 – 4:00 PM
PCOS
Andrea Dunai, MD, Northwestern Univ Med Sch

4:00 – 5:00 PM
Diabetic Retinopathy
Speaker to be determined

5:00 – 5:15 PM
Evaluations and Business Meeting

Endocrine "Year In" Sessions

Sunday, June 16
11:15 AM – 12:00 PM
Year in Thyroid Cancer
Steven I Sherman, MD, Univ of Texas MD Anderson Cancer Ctr

Monday, June 17
11:15 AM – 12:00 PM
Year in Basic Neuroendocrinology
M Susan Smith, MS, PhD, Oregon Natl Primate Res Ctr

Tuesday, June 18
9:00 – 9:45 AM
Year in Genomics
Lynn B Jorde, PhD, Univ of Utah

10:00 – 10:45 AM
Year in GPCRs
Graeme Milligan, PhD, Univ of Glasgow (Scotland, UK)

Practice Management Workshops

Sunday, June 16
3:00 – 3:45 PM
The Accurate Insulin Management (AIM) Project: Working To Improve the Effective Use of Mealtime Insulin
James L Rosenzweig, MD, Boston Med Ctr
M Carol Greenlee, MD, Western Slope Endo (Grand Junction, CO)
Robert A Gabbay, MD, PhD, Penn State

Monday, June 17
3:00 – 3:45 PM
Bridging the Gap: Transitions of Care Tools for Growth Hormone Deficiency
Alan D Rogol, MD, PhD, Univ of Virginia
Mark Molitch, MD, Northwestern Univ Feinberg Med Sch
Sara DiVall, MD, Johns Hopkins Univ
NEW TO ENDO!
Endocrine Educators Forum

Sunday, June 16
2:15 – 3:15 PM

Do you have a leading role teaching endocrinology at your medical school? Join your endocrine-educator colleagues as they share teaching resources and best practices for engaging students with effective and efficient learning. This inaugural meeting will help lay the groundwork for a new support network of clinical and basic science endocrine educators.

MINORITY EVENTS

Minority Mentoring and Poster Reception

Sunday, June 16
7:00 – 9:30 PM
San Francisco Marriott Marquis

The Endocrine Society’s Minority Affairs Committee is hosting the Minority Mentoring and Poster Reception during ENDO 2013, where advisors at topic tables will be available to address the career challenges facing minority students, postdocs, fellows, and faculty. Minority trainees interested in presenting their research projects are also invited to attend. This event presents a great networking opportunity for mentors from The Endocrine Society, industry, and government to share their career experience and advice for young scientists. Its success very much depends on mentor support and participation.

To volunteer as a mentor for the reception, contact us at mac@endo-society.org or 301.941.0244.

Androgen Deficiency Syndromes in Men MOC Live Learning Session

Sunday, June 16
7:00 – 10:00 PM
Earn 10 MOC Points*

REGISTRATION FEES

Members: $210
Nonmembers: $335
(Includes dinner and the online-only module)

Faculty Presenters: Bradley D Anawalt, MD, Univ of Washington;
Shehzad Basaria, MD, Boston Univ Sch of Med; Alvin M Matsumoto, MD, Univ of Washington

This Live Learning Session allows participants to review the Androgen Deficiency Syndromes in Men MOC module with expert faculty authors. Drs Anawalt, Basaria, and Matsumoto will lead participants through the 25 clinical-case vignettes, using audience response key cards to poll participants’ answers and discussing the key points of each case.

*Participants then receive access to the online MOC module, which has been approved by the ABIM for 10 MOC Part 2 points.

ENDO 2013 Minority Affairs Community Forum

Monday, June 17
12:00 – 1:30 PM
Moscone Center

Join the Minority Affairs Committee for this event aimed at increasing awareness of the Society’s current minority affairs programs and to encourage the exchange of ideas among minority members of the Society.

MOC Made Easy: Renewing your ABIM certificate

Monday, June 17
2:00 – 3:00 PM
Moscone Center

Maintenance of Certification continues to evolve, and staying current with requirements and resources can be challenging! Join Graham McMahon, MD, MMSc chair of the CME and MOC Committee, to share strategies to make your initial certification or recertification productive, effective, and efficient. Don’t forget to check out the Society’s endoselfassessment.org website for a range of self-assessment products designed by endocrinologists for endocrinologists!

International Endocrine Scholars Oral Presentation Session

Monday, June 17
3:30 – 5:30 PM
Moscone Center

Stop by this event that provides past and current International Endocrine Scholars with an opportunity to present their best research. This event will be held in the Career Center.

Register today at www.endo-society.org/endo2013
SCIENTIFIC SYMPOSIUM SESSIONS

Saturday, June 15
9:15 – 10:45 AM

**B CLINICAL MANAGEMENT OF RESIDUAL/RECURRENT DIFFERENTIATED THYROID CANCER**
(Supported by Genzyme, a Sanofi company)
*Chair: Rebecca Leboeuf, CHUM Hosp Notre-Dame (Canada)*

Approach to the Patient with Persistent Abnormal Thyroglobulin without Localizable Disease
Robert C Smallridge, Mayo Clfn Jacksonville

Approach to the Patient with Residual/Recurrent Lymph Node Metastases
Julie A Sosa, Duke Univ

Approach to the Patient with Distant Metastases
Stephanie A Fish, Mem Sloan-Kettering Cancer Ctr

**B ENDOCRINE CONTROVERSIES IN PREGNANCY**
*Chair: Susan J Mandel, Univ of Pennsylvania Sch of Med*

Obesity and IOM Gestational Weight Gain Guidelines: Hardly Little but Too Late?
Linda A Barbour, Univ of Colorado Hlth Scı Ctr

Thyroid Disease in Pregnancy Guidelines: Is Consensus Among Endocrinologists, Thyroidologists, and Obstetricians Possible?
Alex Stagnaro-Green, George Washington Univ

**B GENETICS & MODELS OF PROSTATE CANCER**
*Chair: Karen E Knudsen, Thomas Jefferson Univ*

Genetics of Prostate Cancer
Speaker to be determined

Mouse Models of Prostate Cancer
Robert J Matusik, Vanderbilt Univ Med Ctr

Prostate Cancer Mutations and Dysregulation of Androgen Receptor Signaling
Scott A Tomlins, Univ of Michigan

**B GROWTH HORMONE AT THE CUTTING EDGE**
*Chair: Michael J Waters, Univ of Queensland (Australia)*

GH Receptor Dynamics Leading to JAK2 Signaling
Andrew J Brooks, Univ of Queensland (Australia)

SH2B1: A Critical Scaffold Protein for GH-Mediated Cell Motility
Christin Carter-Su, Univ of Michigan Med Sch

GH Signaling to the Epigenome
Peter S Rotwein, Oregon Hllth & Scis Univ

**B INITIATING STEROIDOGENESIS: NOVEL MECHANISTIC INSIGHTS**
*Chair: Bonchu Chung, Academia Sinica (Taiwan)*

Effect of SF-1 Sumoylation on Steroidogenesis
Holly A Ingraham, Univ of California-San Francisco

Regulation of the Mitochondrial Cholesterol Import Machinery in Steroidogenic Cells
Vassilios Papadopoulos, McGill Univ Hllth Ctr (Canada)

Role of the Cytoskeleton in Steroidogenesis
Fredric B Kraemer, Stanford Univ Sch of Med

**B INSULIN PULSATILITY MATTERS**
*Chair: Richard Bertram, Florida State Univ*

Modification of Beta-Cell Oscillations in Physiology and Disease
Craig S Nunemaker, Univ of Virginia

Gap Junction Communication and Coordination of Pulsatile Activity
Richard KP Benninger, Univ of Colorado

Pulsatile Insulin Secretion and Hepatic Insulin Signaling
Peter C Butler, Univ of California-Los Angeles,
David Geffen Sch of Med

**B MECHANISMS AND CONSEQUENCES OF GLUCOCORTICOID EXCESS**
*Chair: Tomoshige Kino, NIH*

Emerging Complications in Cushing’s Syndrome
Francesca Pecori Giraldi, Inst Auxologico Italiano IRCCS (Italy)

Pro-Inflammatory Actions of Glucocorticoids
Steven F Maier, Univ of Colorado

Rhythmic Regulation of the Glucocorticoid Receptor
Speaker to be determined

**B OBESITY PHARMACOTHERAPY: PAST, PRESENT AND FUTURE**
(Supported by Eisai Inc.)
*Chair: Michael A Cowley, Monash Univ (Australia)*

Obesity Pharmacotherapy: Lessons from the Past
Caroline M Apovian, Boston Med Ctr

Obesity Pharmacotherapy: Present Options
Steven R Smith, Florida Hosp

Obesity Pharmacotherapy: Discovery of Peptide-Based Mixed Agonists
Richard D DiMarchi, Indiana Univ

**B RECENT ADVANCES IN MASCULINIZATION OF THE EXTERNAL GENITALIA**
*Chair: Ronald S Swerdloff, Harbor/Univ of California-Los Angeles Med Ctr*

Molecular Mechanisms for Masculinization of External Genitalia
Gen Yamada, Wakayama Med Univ (Japan)

Endocrine Regulation of Male Fertility by the Skeleton
Gerard Karsenty, Columbia Univ Med Ctr

Anogenital Distance: A Marker for Fetal Determinant of Adult Reproductive Function in Men
Michael Eisenberg, Stanford Univ Sch of Med

Register today at www.endo-society.org/endo2013
THE SECRET LIVES OF GONADOTROPES
Chair: Ursula B Kaiser, Brigham & Women’s Hosp
Forkhead Transcription Factors in Pituitary Development and Function
Buffy Sue Ellsworth, Southern Illinois Univ Sch of Med
MAP Kinase in the Gonadotrope
Mark S Roberson, Cornell Univ Coll of Vet Med
Insulin Signaling and Gonadotrope Function
Andrew M Wolfe, Johns Hopkins Univ Sch of Med

4:00 – 5:30 PM

BONE HEALTH IN SPECIAL PEDIATRIC POPULATIONS
Chair: Laura K Bachrach, Stanford Med Ctr
Secondary Osteoporosis
Leanne M Ward, Children’s Hosp of Eastern Ontario (Canada)
New Osteogenesis Imperfecta Syndromes
Frank Rauch, Shriners Hosp for Children (Canada)
Hypophosphatemic Rickets: An Overview
Harald W Jueppner, Massachusetts Gen Hosp

ENDOCRINE, GENETIC AND MOLECULAR CONTRIBUTORS TO INCIDENCE AND OUTCOME DISPARITIES IN BREAST AND PROSTATE CANCER
Chair: Kristy M Nicks, Mayo Clin
The Role of Vitamin D and Genetic Ancestry in Prostate Cancer Risk in African-American Men
Rick A Kittles, Univ of Illinois at Chicago
Elucidating Epigenetic Mechanisms Contributing to Breast and Prostate Cancer Disparities
Jaydutt Vadgama, Univ of California-Los Angeles Sch of Med
Ethnic Differences in Breast Cancer
Lovell A Jones, Univ of Texas MD Anderson Cancer Ctr

EVOLUTION OF NUCLEAR RECEPTORS
Chair: Barbara Demeneix, MNHN/CNRS (France)
Diversity in Nuclear Receptors: Evolution of Hormone Sensitivity from a Constitutive ERR
Jamie T Bridgham, Univ of Oregon
Nuclear Receptors in Early-Diverging Marine Animals
Ann Tarrant, Woods Hole Oceanographic Inst
Regulation of Metabolism by Nuclear Receptors in Drosophila
Carl S Thummel, Univ of Utah

HORMONES AND MENOPAUSE
Chair: Janet E Hall, Massachusetts Gen Hosp
Update on HRT and Menopause: KEEPS Moving Beyond the WHI
Virginia Miller, Mayo Clin
SERMS and Women’s Health: An Overview
Cynthia A Stuenkel, Univ of California-San Diego
Phytoestrogen and Women’s Health: Alternative and Complementary Therapies for the Menopause
Speaker to be determined

IGF-1: OLD MOLECULE, NEW TRICKS
Chair: Daisy Delgado De Leon, Loma Linda Univ Sch of Med
IGF-1: Aging Worms and Beyond
Speaker to be determined
IGF-1: Neurotrophic Actions in the Brain
Luis Garcia-Segura, Inst Cajal, CSIC (Spain)
Novel Insights into the Protective Effects of IGF-1 on the Aging Brain
William E Sonntag, Univ of Oklahoma Hlth Sci Ctr

KEEPING A FINGER ON PULSE GENERATION
Chair: Alexander S Kauffman, Univ of California-San Diego
Differential Roles of Neurokinin B and Kisspeptin in the Rodent GnrH Pulse Generator
Kevin O’Byrne, King’s Coll London (UK)
Role of the GnrH Neuron Dendron in GnrH Pulse Generation
Allan E Herbison, Univ of Otago (New Zealand)
Pulse Generation in Primate GnrH Neurons
Ei Terasawa, Univ of Wisconsin

LIPIDS & CARDIOMETABOLIC RISK: HOT TOPICS
Chair: Kenneth Feingold, Univ California, San Francisco/VA Med Ctr
Controversies: What to Do About Triglycerides and HDL Cholesterol?
Anne C Goldberg, Washington Univ Sch of Med
Emerging Cardiovascular Risk Markers
Robert Eckel, Univ of Colorado
Novel Therapeutic Strategies for Lipid Disorders
Thomas Bersot, J David Gladstone Inst, Univ of California, San Francisco

MICROVESICLES AND EXOSOMES AS INTERCELLULAR COMMUNICATORS
Chair: Charlotte M Boney, Brown Univ/Rhode Island Hosp
Extracellular Vesicles as Intercellular Communicators, Biomarkers and Therapeutic Vehicles
Xandra Breakefield, Massachussetts Gen Hosp
Adipose Tissue Exosomes and System Insulin Resistance
Huang-Ge Zhang, Univ of Alabama-Birmingham
Biogenesis and Clinical Potential of Tumor-Derived Microvesicles
Crislyn D’Souza-Schorey, Univ of Notre Dame

NOVEL INSIGHTS INTO CONGENITAL HYPOPITUITARISM
Chair: Sally Radovick, Johns Hopkins Med Inst
Novel Insights into the Etiology of Congenital Hypopituitarism
Mehul T Dattani, UCL Inst of Child Hlth (UK)
Combined Pituitary Hormone Deficiency: Novel Phenotypes
Thierry C Brue, Hosp de la Timone (France)
Novel Phenotypes in Kallmann Syndrome
Taneli J M Raivio, Helsinki Univ Central Hosp (Finland)
Sunday, June 16
9:00 – 10:30 AM

18

SCIENTIFIC SYMPOSIUM SESSIONS

1 ADIPOCYTE SIGNALING
Chair: Philipp E Scherer, Univ of Texas SW Med Ctr
Estradiol Receptor Signaling in Fat
Deborah J Clegg, Univ of Texas SW Med Ctr
Fat Tissue and Cellular Senescence
James L Kirkland, Mayo Clin
Lipin Action in Adipocytes
Karen Reue, Univ of California-Los Angeles

2 ADVANCES IN DIABETES TECHNOLOGY
(Supported by Medtronic Diabetes)
Chair: Robert A Vigersky, Walter Reed Natl Milt Med Ctr
The Bihormonal Artificial Pancreas
W Kenneth Ward, Oregon Hlth & Scis Univ/Legacy Res Inst
There’s an App for That: Smart Phones for Smart Diabetes Management
Ronald Tamler, Mt Sinai Sch for Med
Novel Sensor Technologies
David C Klonoff, Diabetes Technology Soc

3 BUILDING A PITUITARY
Chair: Jacques Drouin, Institut de Recherches Cliniques (Canada)
Defining The Role of Notch Signaling During Critical Periods of Pituitary Development
Lori T Raetzman, Univ of Illinois at Urbana Champaign
Pericytes in Pituitary Development
Tatiana Fiordelisio, Univ Natl Autónoma de México (Mexico)
Three-Dimensional Pituitary Networks
Patrice E Mollard, CNRS - INSERM (France)

4 SPECIAL TRIBUTE TO ELWOOD V JENSEN:
ESTRADIOL RECEPTORS: MECHANISMS OF ACTION AND GENE REGULATORY NETWORKS
Chair: Benita S Katzenellenbogen, Univ of Illinois at Urbana Champaign
Structure of Estrogen Receptors and Mechanisms of Selectivity
Geoffrey L Greene, Univ of Chicago
Estrogen Receptor Functional Domains: Physiological Roles
Kenneth S Korach, NIEHS/NIH
Estrogen Regulation of Feeding and Reproduction
Adriana C Maggi, Univ degli Studi di Milano (Italy)

5 FGF23: NEW INSIGHT ON REGULATION IN HUMANS AND MURINE MODELS
Chair: Suzanne M Jan De Beur, Johns Hopkins Univ Sch of Med
FGF23 Regulation and Function: Lessons from Murine Models
L Darryl Quarles, Univ of Tennessee Hlth Sci Ctr
Hormonal Regulation of FGF23 by Vitamin D, PTH, and Phosphate
Sherri-Ann M Burnett-Bowie, Massachusetts Gen Hosp
Nuclear FGF2 Isoforms Inhibit Bone Marrow Stromal Cell Mineralization Through FGF23/FGFR/MAPK
Marja M Hurley, Univ of Connecticut Hlth Ctr

6 HOT TOPICS IN MALE REPRODUCTION
Chair: William J Bremner, Univ of Washington
Androgens and Sleep: A Two-Way Street
Gary A Wittert, Royal Adelaide Hosp (Australia)
The Use and Misuse of Free Testosterone Measurement in Diagnosis of Male Hypogonadism
Andrea D Coviello, Boston Univ
Hormonal Male Contraception: Testosterone Undecanoate with Norethisterone Enanthate and Beyond
Cristina M Meriggiola, Univ di Bologna (Italy)

7 NEW TWISTS ON GPCR TRAFFICKING
Chair: Adrian J L Clark, St George’s Univ of London (UK)
Trafficking Controls Signaling of the CaSR
Gerda E Breitwieser, Geisinger Clin
Subcellular Localization and Tracking of GPCRs with BRET
Nevin Lambert, Georgia Hlth Scis Univ
Regulation of GPR65A Signaling and Ligand Selectivity by RAMP Interactions
Timothy M Skerry, Univ of Sheffield (UK)

8 NODULAR THYROID DISEASE: UNDERSTANDING AND ASSESSING RISK
(Supported by Genzyme, a Sanofi company)
Chair: Wendy Sacks, Cedar Sinai Med Ctr
Use of Ultrasound for Thyroid Nodules: The Good, The Bad, and The Ugly
Diana S Dean, Mayo Clin
The Promise of Molecular Analysis in the Evaluation of Indeterminate Nodules
Erik Alexander, Brigham & Women’s Hosp
Radiation-Related Thyroid Nodules: Prevention, Evaluation, and Treatment
Arthur B Schneider, Univ of Illinois-Chicago

9 RAS-OPATHIES: MORE THAN JUST NOONAN SYNDROME
Chair: Han-Wook Yoo, Asan Med Ctr (South Korea)
RAS Pathway Abnormalities in Human Genetic Disease
Thomas Edouard, Inst Natl de la Santé et de la Recherche Médicale Univ, Paul Sabatier (France)
The Clinical Spectrum of the RAS-opathies
Jovanna Dahlgren, Inst of Clin Sci, Queen Silvia Children’s Hosp (Sweden)
Risk of Malignancy in the RAS-opathies
Frank McCormick, Univ of California-San Francisco

10 WHAT’S NEW IN PRIMARY ALDOSTERONISM?
Chair: John W Funder, Prince Henry’s Inst of Med Res (Australia)
KCNJ5 Mutations in Primary Aldosteronism
Maria-Christina Zennaro, INSERM (France)
Recent Advances in the Differential Diagnosis of Primary Aldosteronism
Paolo Mulatero, Univ degli Studi di Turin (Italy)
Novel Genes in Primary Aldosteronism
Felix Beuschein, Univ of Munich (Germany)
Register today at www.endo-society.org/endo2013

4:00 – 5:30 PM

**AR AND COACTIVATORS IN PROSTATE CANCER**

*Chair:* Scott M Dehm, Univ of Minnesota

**Androgen Receptor Variants in Prostate Cancer**
Stephen R Plymate, Geriatrics Res Educ and Clin Ctr (Seattle, WA)

**AR-V7 in Prostate Cancer: Mechanisms of Activation and Search for New Antagonists**
Marco Marcelli, Baylor Coll of Med VAMC

**Androgen Receptor Collaborating Transcription Factors in Prostate Cancer**
Olli A Janne, Biomedicum Helsinki/Univ of Helsinki (Finland)

**CLINICAL MANAGEMENT OF ADRENAL INSUFFICIENCY: UPDATE 2013**

*Chair:* Eystein Sverre Husebye, Univ of Bergen/ Haukeland Univ Hosp (Norway)

**Diagnostic Approach to Adrenal Insufficiency**
Kristian Lovas, Univ of Bergen (Norway)

**Adrenal Crisis: Prevalence and Prevention**
Stephanie Hahner, Univ Hosp of Wuerzburg (Germany)

**A Cure For Addison’s?: Recent Advances**
Simon HS Pearce, Newcastle Univ (UK)

**DIAGNOSING DIABETES: BENEFITS AND DRAWBACKS OF GLUCOSE VS HEMOGLOBIN A1C**
(Cosponsored by the American Association for Clinical Chemistry and The Endocrine Society)

The diagnosis of diabetes for many years was based exclusively on measurement of glucose. The American Diabetes Association, the World Health Organization, and other influential clinical groups have proposed that measurement of HbA1c could be used to diagnose diabetes. This remains a highly contentious issue, with many organizations opposing the use of HbA1c. The Endocrine Society supports the use of HbA1c for the diagnosis of diabetes, with significant caveats and special considerations. This symposium will examine the measurement of glucose and HbA1c, as well as the opposing views on the utility of HbA1c for diagnosis of diabetes.

*Chair:* Hershel Raff, Med Coll of Wisconsin

**Measurement of Glucose and HbA1C: The Laboratory Perspective**
David B Sacks, NIH

**HbA1c Should Be Used to Diagnose Diabetes**
Robert A Vigersky, Walter Reed Natl Milit Med Ctr

**HbA1c Should Not Be Used to Diagnose Diabetes**
William H Herman, Univ of Michigan

**GENETIC CONTROL OF ARCULATE HYPOTHALAMIC DEVELOPMENT, DIFFERENTIATION AND RENEWAL**

*Chair:* Sally A Camper, Univ of Michigan Med Sch

**Ontogeny of Neuronal Lineages in the Arcuate Nucleus**
Lori M Zeltser, Columbia Univ

**Basic Helix-Loop-Helix Transcription Factors in Development of Arcuate Neurons**
Siew Lan Ang, Natl Inst of Med Res (UK)

**Tanyctyes of the Hypothalamic Median Eminence Form a Diet-Responsive Neurrogenic Niche**
Seth Blackshaw, Johns Hopkins Univ Sch of Med

**HYPOPARATHYROIDISM 2013**

*Chair:* John P Bilezikian, Columbia Univ Coll of Phys & Surg

**Etiology of Hypoparathyroidism**
Bart L Clarke, Mayo Clin

**Clinical Presentation: Skeletal and Non-Skeletal Features**
Mishaela R Rubin, Columbia Univ Coll of Phys & Surg

**Impact of PTH Therapy on the Disease**
Aliya A Khan, McMaster Univ (Canada)

**ISLET CELLS: BENCH TO BEDSIDE**

*Chair:* Alvin C Powers, Vanderbilt Univ Med Ctr

**Specification and Maintenance of Islet Beta Cells**
Lori Suszel, Columbia Univ College of Phys & Surg

**Stem Cells to Pancreatic Beta Cells**
Matthias Hebrok, Univ of California-San Francisco

**Advancing Islet Transplantation**
William L Lowe, Northwestern Univ Feinberg Sch of Med

**NEW GENETICS OF SHORT STATURE: BEYOND THE GH-IGF AXIS**
(Supported by Lilly USA, LLC and Novo Nordisk Inc.)

*Chair:* Stephen M Rosenthal, Univ of California-San Francisco

**Undergrowth Disorder Image Syndrome and Overgrowth Disorder Beckwith Wiedemann Syndrome: Two Faces of the Same Gene**
Eric Vilain, Univ of California-Los Angeles

**Floating-Harbor Syndrome**
Kym Boycott, Univ of Ottawa (Canada)

**Meier-Gorlin Syndrome**
Andrew P Jackson, Univ of Edinburgh Western Gen Hosp (Scotland, UK)
SCIENTIFIC SYMPOSIUM SESSIONS

1 OBESITY AND DYSREGULATED SLEEP
Chair: Giovanni Cizza, NIDDK/NIH
Sleep Disturbances and Obesity: Bidirectional Relationships
Eve Van Cauter, Univ of Chicago
Circadian-Gene Interactions
Joseph T Bass, Northwestern Univ
Energy Balance, Glucose Metabolism, and Dysregulated Sleep
Orfeu M Buxton, Harvard Med Sch/Brigham & Women’s Hosp

2 REDUCING HEALTH DISPARITIES THROUGH CLINICAL TRIALS
Chair: Puneet Singh Arora, Genentech (San Carlos, CA)
Directing a Clinical Trial
Speaker to be determined
Recruiting Diverse Populations in Clinical Trials: Change Is Here. Are We Ready?
Maria Alexander-Bridges, Massachusetts Gen Hosp
e-Trials and Community Based Research
Speaker to be determined

3 REGULATION OF IODIDE TRANSPORT IN CANCER
Chair: Stephanie L Lee, Boston Univ
NIS Expression in Thyroid Cancer
Pilar Santisteban, Inst de Investigaciones Biomed (Spain)
PBF and the Regulation of NIS in Thyroid Cancer
Christopher J McCabe, Univ of Birmingham (UK)
Radioiodide Treatment of Non-Thyroid Cancer
Christine Spitzweg, Univ of Munchen Med Klin II (Germany)

4 TRANSCRIPTIONAL CONTROL OF TESTICULAR DEVELOPMENT
Chair: Ilpo T Huhtaniemi, Imperial Coll London (UK)
Ken-ichirou Morohashi, Graduate Sch of Med Sci (Japan)
Developmental Programming of the Hypothalamic-Pituitary Axis in Male Mice
Susana B Rulli, Inst de Biología y Medicina Experimental (Argentina)
Identification, Proliferation and Differentiation of Adult Stem Leydig Cells
Haolin Chen, Johns Hopkins Sch of Pub Hlth
Interplay Between miRNAs and RNA-Binding Proteins in Post-Transcriptional Regulation
Wei Yan, Univ of Nevada, Reno

Monday, June 17
9:00 – 10:30 AM

5 ABNORMAL PUBERTY: NEW MECHANISMS
Chair: Mark R Palmert, The Hosp for Sick Children
When Genetics Doesn’t Predict Phenotype
Stephanie B Seminara, Massachusetts Gen Hosp
Nutrition and Puberty
Carol F Elias, Univ of Texas SW Med Ctr
Impact of Endocrine Disruptors on Puberty
Heather B Patitsaul, North Carolina State Univ

6 COREGULATORS AND NUCLEAR RECEPTOR ACTION
Chair: Ann M Nardulli, Univ of Illinois
Gene-Specific Coregulator Requirements in Transcriptional Regulation by Nuclear Receptors
Michael R Stallcup, Univ of Southern California/ Norris Comprehens Cancer Ctr
Coregulator-Dependent Mechanisms of Androgen Action in Prostate Cancer
HV Heemers, Roswell Park Cancer Inst
Coactivator Selective Regulation of Androgen Receptor Activity
Irina U Agoulnik, Florida Intl Univ Coll of Med
Structural Basis for Assembly of SMRT/ NCoR Repression Machinery
John Schwabe, Univ of Leicester (UK)

7 FOOD ADDICTION
Chair: Lora K Heisler, Univ of Cambridge (UK)
Control Over Eating: A Top Down View
Ralph J DiLeone, Yale Univ Sch of Med
Neurotensin and Regulation of Eating Behavior
Gina M Leinninger, Michigan State Univ
Neuroendocrine Circuits and Food Addition
Susanne E La Fleur, Univ of Amsterdam
Acad Med Ctr (Netherlands)

8 G PROTEIN-COUPLED RECEPTORS SIGNALING IN BONE
Chair: Jean-Pierre Vilardaga, Univ of Pittsburgh
Engineered G Proteins in Osteoblasts:
Effects on Bone Formation
Edward Chiaming Hsiao, Univ of California-San Francisco
Beta-Arrestin Modulation of PTH in Bone Metabolism
Diane Gesty-Palmer, Parexel (Durham, NC)
Diversity of PTH Receptor Signaling in Bone Cell Function
Paula H Stern, Northwestern Univ Feinberg Sch of Med

9 INSIDE AND OUT: ALDOSTERONE SYNTHESIS AND ACTION
Chair: Celso E Gomez-Sanchez, G.V. Montgomery VA Med Ctr
New Developments in the Regulation of Adrenal Aldosterone Biosynthesis
William E Rainey, Univ of Michigan Med Ctr
Aldosterone Biosynthesis Mediated by Epigenetic Regulation
Yoshiyu Takeda, Kanazawa Univ Sch of Med (Japan)
Aldosterone and its Direct Cardiovascular Damages
Gail Adler, Brigham & Women’s Hosp/Harvard

10 MOLECULAR BASIS OF DIABETES COMPLICATIONS
Chair: Mark S Anderson, Univ of California, San Francisco
The Receptor for Advanced Glycation Endproducts: Signaling Mechanisms in the Pathogenesis of Diabetes Complications
Ann Marie Schmidt, New York Univ Sch of Med
Hematopoietic Cells Mediate Diabetic Neuropathy
Lawrence C Chan, Baylor Coll of Med
PKC-Delta, VEGF, and the Pathogenesis of Diabetic Nephropathy
George L King, Joslin Diabetes Ctr

Register today at www.endo-society.org/endo2013
PROLACTIN BEYOND LACTATION
Chair: Carmen Clapp, Univ Nat Autónoma de Mexico (Mexico)
PRL Signaling via Pak1-NCK Interaction
Maria Diakonova, Univ of Toledo
Prolactin-Humanized Mice: Improved Model for Drug Testing in Patient-Derived Breast Cancer Xenografts
Hallgeir Rui, Thomas Jefferson Univ
Modulated Integrin Signaling In Breast Cancer
Ali Naderi, Univ of Iowa

THYROID HORMONE AND NEURAL DEVELOPMENT
Chair: Sheue-Yann Cheng, NCI/NIH
Thyroid Hormone Metabolism in Early Brain Development
Speaker to be determined
Thyroid Hormone Transporters in Brain Development
Heike Heuer, Fritz Lipmann Inst (Germany)
Neurological Outcomes in Children with Reduced Thyroid Hormone In Utero
Joanne F Rovet, Hosp for Sick Children (Canada)

TRANSGENDER MEDICINE: WHAT EVERY PHYSICIAN SHOULD KNOW
Chair: Joshua D Safer, Boston Univ Sch of Med
Gender Identity Disorder: What is it and Why is Medical Intervention Necessary?
Eli Coleman, Univ of Minnesota
Medical Treatment of Transsexual Persons
Wylie C Hembree, Columbia Univ Coll of Phys & Surg
Long-Term Outcomes of Cross-Sex Hormone Treatment in Adults
Louis J Gooren, Andro-Consult (Thailand)

TRENDING TOPICS IN UTERINE DEVELOPMENT
Chair: Rosalia C M Simmen, Univ of Arkansas for Med Sci
SRC-1 Action in the Female Reproductive Disease Progression
Sang Jun Han, Baylor Coll of Med
The Role of miRNAs in Endometriosis
Hugh S Taylor, Yale Univ Sch of Med
Non-Human Primate Model for Endometriosis
Asgerally T Fazleabas, Michigan State Univ

4:00 – 5:30 PM

ANDROGEN ANTAGONISTS: FROM RISK TO GAIN
Chair: Susan K Logan, New York Univ Sch of Med
Androgen Receptor as a Therapeutic Target
James T Dalton, GTx, Inc (Memphis, TN)
Structural Effects of All Antagonists
Iain J McEwan, Univ of Aberdeen (Scotland, UK)
ADT Ain't What it Used To Be!
James L Mohler, Roswell Park Cancer Inst

CENTRAL REGULATION AND ACTIONS OF PROLACTIN
Chair: Nira Ben-Jonathan, Univ of Cincinnati
Synchronous Phasic Activity Patterns of Tuberoinfundibular Dopamine Neurons
Speaker to be determined
Tracking and Modulating Prolactin Action in the Central Nervous System
David R Grattan, Univ of Otago (New Zealand)
Central Pathways Mediating Prolactin-Induced Inhibition of Fertility
Nadine Binart, INSERM (France)

CHALLENGES AND CONTROVERSIES IN BISPHOSPHONATE THERAPY
Chair: Elizabeth Shane, Columbia Univ Coll of Phys & Surg
Anabolic Therapy in the Context of Antiresorptive Agents
Benjamin Z Leder, Massachusetts Gen Hosp
Long Term Efficacy and Safety of Bisphosphonate Use
Graham Russell, The Botnar Res Ctr & Oxford Univ (UK)
Bisphosphonates in Renal Disease
Sophie Jamal, Univ of Toronto (Canada)

GLYCEMIC CONTROL IN THE HOSPITAL: SPECIAL CONSIDERATIONS
Chair: Guillermo E Umpierrez, Emory Univ
Inpatient Glycemic Control and Glucocorticoid Therapy
Mary T Korytkowski, Univ of Pittsburgh
Glycemic Control During Enteral and Parenteral Feeding
Boris Draznin, Univ of Colorado Sch of Med
Glycemic Control after Organ Transplantation
Jennifer L Larsen, Univ of Nebraska Med Ctr

GROWTH FACTORS IN THE BAT-TLE AGAINST OBESITY
Chair: Alan Schneyer, Univ of Massachusetts-Amherst
BAT and novel Adipokines
C Ronald Kahn, Joslin Diabetes Ctr
The Role of BMP8B in Brown Adipose tissue
Antonio Vidal-Puig, Univ of Cambridge (UK)
The Role of Activin Signaling in Obesity and Insulin Sensitivity
Jennifer Lachey, Ember Therapeutics (Watertown, MA)

ILLUMINATING GPCRS
Chair: Louis M Luttrell, Univ of South Carolina
Molecular Basis and Cellular Outcome of GPCR Functional Selectivity and Ligand-Biased Signaling under the Light of Bioluminescence Resonance Energy Transfer (BRET)
Michel Bouvier, Univ de Montréal (Canada)
Guiding Signals Through Anchored Enzyme Complexes
John D Scott, Howard Hughes Med Inst
Following GPCRs by TIR-FM
Speaker to be determined
LONG-RANGE, RAPID SIGNALING-MEDIATED AND EPIGENETIC CONTROL OF GENE EXPRESSION BY NUCLEAR RECEPTORS  
Chair: Myles Brown, Dana-Farber Cancer Inst  
Role of Pioneering Factors in Hormone-Dependent Cancers  
Speaker to be determined  
ERK-Regulated Early Transcription Factors and Cdc2 Mediate Progestin-Induced Proliferation of Endometrial Stroma  
Patricia Saragueta, Univ de Buenos Aires (Argentina)  
Estrogen-Mediated Epigenetic Repression  
Tim H-M Huang, Univ of Texas Hlth Sci Ctr

LONG-TERM HEALTH CONSEQUENCES OF PCOS  
Chair: Joop S E Laven, Erasmus Med Ctr (Netherlands)  
PCOS and the Risk of T2DM  
Andrea Dunaii, Northwestern Univ, Feinberg Sch of Med  
PCOS and the Risk of Cardiovascular Disease  
Evelyn D Talbott, Univ of Pittsburgh  
PCOS and the Risk of Endometrial Cancer  
Daniel A Dumesic, Univ of California-Los Angeles

PITUITARY TUMORIGENESIS  
Chair: Marta Korbonits, St Bartholomew’s Hosp (UK)  
Mouse Models of MEN 1 Tumorogenesis  
Rajesh V Thakker, Univ of Oxford (UK)  
Oxidative Stress and Hypoxia-Induced Signaling  
Pathways in Pituitary Tumorigensation  
Margaret E Wierman, VA Med Ctr  
Biomarkers of Aggressiveness and Progression  
Shereen Z Ezzat, Ontario Cancer Inst (Canada)

PRENATAL EXPOSURE TO GLOCCORTICOIDS  
Chair: Phyllis W Speiser, Hofstra-North Shore LL Sch of Med  
Multi-Generational Effects of Dexamethasone in Rats  
Amanda J Drake, Univ of Edinburgh (Scotland, UK)  
Prenatal Glucocorticoid Programming of HPA  
Function: Transgenerational Consequences  
Stephen G Matthews, Univ of Toronto (Canada)  
Fetal Programming of Brain Development: Role of Intrauterine Stress and Stress Biology in Susceptibility to Psychopathology  
Claudia Buss, Charité (Germany)

Tuesday, June 18  
7:30 – 9:00 AM

CALCIFICATION AND VASCULAR DISEASE  
Chair: Dolores M Shoback, Univ of California-San Francisco/VA Med Ctr  
Calcium and Vascular Disease: Does the Source of Calcium Matter?  
Stephen L Kopecky, Mayo Clin  
Vascular Calcification: What Can We Learn From Diabetes & CKD?  
Dwight A Towler, Sanford Burnham Med Res Inst at Lake Nona (Orlando, FL)  
Can We Resolve the Controversy of Calcium Intake and Vascular Disease?  
Speaker to be determined

DIAGNOSES SOLVED BY NEXT GENERATION SEQUENCING: NEW CAUSES OF PRIMARY ADRENAL FAILURE  
Chair: Angela Huebner, Technical Univ Dresden (Germany)  
Whole Exome Sequencing Identifies Antioxidant Gene Defects in Familial Glucocorticoid Deficiency  
Louise A Metherell, William Harvey Res Inst (UK)  
Apparent ACTH Resistance  
Johnny Y Deladoey, Sainte-Justine Hosp (Canada)  
MCM4 and Adrenal Failure  
Emmanuelle Jouanguy, INSERM, Necker Med Sch (France)

ENDOCRINE ACTION IN BREAST CANCER  
Chair: Evan R Simpson, Prince Henry’s Inst of Med Res (Australia)  
HER3 Function and Drug Resistance in Breast Cancer  
Mark Moasser, Univ of California-San Francisco Sch of Med  
PR/Stat Crosstalk in Breast Cancer  
Dean P Edwards, Baylor Coll of Med  
Assessing Estrogen Signaling Aberrations in Genetically Engineered Mouse Models  
Priscilla A Furth, Georgetown Univ

EPIGENETICS AND METABOLIC RISK  
Chair: Kevin L Grove, Oregon Natl Primate Res Ctr  
The Epigenetic and Transcriptional Basis of Adipogenesis and Insulin Resistance  
Evan D Rosen, Harvard Med Sch  
Epigenetics and miRNA in Diabetic Complications  
Rama Natarajan, Beckman Res Inst of the City of Hope  
Epigenetics and In Utero Environment  
Peter D Gluckman, Univ of Auckland (New Zealand)

FUNCTIONAL HYPOTHALAMIC AMENORRHEA: SPECIAL TOPICS  
Chair: Nanette F Santoro, Univ of Colorado Sch of Med  
Mechanisms Underlying Variable Susceptibility to Functional Hypothalamic Amenorrhea: Clinical Implications  
Mark E Wilson, Emory Univ  
Behavioral Approaches to Functional Hypothalamic Amenorrhea  
Sarah L Berga, Wake Forest Univ/Baptist  
Coexistence of Functional Hypothalamic Amenorrhea and PCOS  
Michelle P Warren, Columbia Univ

NEUROENDOCRINE TUMORS: NEW TOOLS FOR DIAGNOSIS AND MANAGEMENT  
(Supported by Ipsen Biopharmaceuticals, Inc.)  
Chair: Ricardo V Lloyd, Univ of Wisconsin  
Biochemical Evaluation of Pheochromocytoma  
Jacques W M Lenders, Radboud Univ Nijmegen Med Ctr (Netherlands)  
NET or NEN or NEC: The New Nomenclature of Neuroendocrine Tumors  
Robert Y Osamura, Intl Univ of Hlth and Welfare (Japan)  
The Patient with a Neuroendocrine Tumor: When is Genetic Testing Recommended?  
Steven G Waguespack, Univ of Texas MD Anderson Cancer Ctr

For up-to-date information, visit [www.endo-society.org/endo2013](http://www.endo-society.org/endo2013)
**NEUROIMMUNE REGULATION OF THE HPA AXIS**
Chair: James P Herman, Univ of Cincinnati
Neuroimmune Activation of the HPA Axis
Paul E Sawchenko, Salk Inst
Stress Activation of Immune Mediators in the Paraventricular Nucleus
Terrence Deak, Binghamton Univ-SUNY
Stress-Immune Interactions
Speaker to be determined

**SCIENTIFIC SYMPOSIUM SESSIONS**

**NEUROIMMUNE REGULATION OF THE HPA AXIS**
Chair: James P Herman, Univ of Cincinnati
Neuroimmune Activation of the HPA Axis
Paul E Sawchenko, Salk Inst
Stress Activation of Immune Mediators in the Paraventricular Nucleus
Terrence Deak, Binghamton Univ-SUNY
Stress-Immune Interactions
Speaker to be determined

**NOVEL SIGNALING IN THE OVARY**
Chair: Marco Conti, Univ of California, San Francisco
The Role of LH-Mediated mTOR Signaling in Ovarian Steroidogenesis
Jairam K M Menon, Univ of Michigan
The Ovarian Inositol Phosphate Cascade and Fertility
Mario Ascoli, Univ of Iowa, Carver Coll of Med
Lipid Metabolism Versus Lipotoxicity in Cumulus-Oocyte Complexes
Rebecca L Robker, Univ of Adelaide (Australia)

**STEROID FUNCTION IN THE DEVELOPING BRAIN**
Chair: Synthia H Mellon, Univ of California-San Francisco
Nongenomic GlcD Signaling in Neural Stem Cells
Donald B DeFranco, Univ of Pittsburgh Sch of Med
Genomic and Nongenomic Regulation of Brain Aromatase
Nobuhiro Harada, Fujita Hlth Univ Sch of Med (Japan)
The Structure and Functions of the Glucocorticoid Receptor’s Activation Function-1 (AF1) Domain
Raj Kumar, The Commonwealth Med Coll (Scranton, PA)

**DEVELOPMENTAL ORIGINS OF ENDOCRINE DISORDERS:**
**IMPACTS OF ENVIRONMENTAL EXPOSURES**
Chair: Jerrold J Heindel, NIEHS/NIH
Developmental Origins of Prostate Cancer: Role of Environmental Exposures and Epigenetics
Gail S Prins, Univ of Illinois at Chicago
Role of Nutrition and Environmental Endocrine Disrupting Chemicals during the Perinatal Period on the Aetiology of Obesity
Frederick S vom Saal, Univ of Missouri-Columbia
Environmental Causes of Cancer: Endocrine Disruptors as Carcinogens
Ana M Soto, Tufts Univ Sch of Med

**EMERGING PARADIGM OF ERBB FAMILY FUNCTION**
Chair: Jennifer Richer, Univ of Colorado-Anschutz
Nuclear Functions and Novel Trafficking Pathways of the EGFR Family
Mien Chie Hung, MD Anderson Cancer Ctr
EGFR in the Mitochondria: Manifestation of EGFR/c-Src Synergy in Cancer
Sarah J Parsons, Univ of Virginia Hlth Syst
Intrinsic and Acquired Resistance to HER2-Targeted Therapies in Breast Cancer: Mechanisms and Clinical Implications
Carlos L Areteaga, Vanderbilt Univ

**EMERGING THERAPIES FOR DIABETES**
(Supported by Novo Nordisk Inc.)
Chair: Matthew C Riddle, Oregon Hlth & Sci Univ
What’s New with Incretins
David A D’Alessio, Univ of Cincinnati
New Oral Therapies for Type 2 Diabetes
Carol H Wysham, Univ of Washington
Novel Insulins
Speaker to be determined

**ENDOCRINE ISSUES IN COMPETITIVE SPORTS**
Chair: Heiko Krude, Otto Heubner Centrum for Peds (Germany)
Performance Enhancing Hormones: Doping Issues
David J Handelsman, Univ of Sydney (Australia)
Management of Diabetes in Athletes
Anne Peters, Univ of S California
Disorders of Sex Development, Transgender, and the Professional Athlete: Yesterday and Today
Speaker to be determined

**CELL MICROENVIRONMENT IN PROSTATE CANCER**
Chair: Gail P Risbridger, Monash Univ (Australia)
Stem Cells and Prostate Cancer
Isla Garraway, Univ of California-Los Angeles
TGF-Beta and the Induction of Reactive Stroma in Prostate Cancer
David R Rowley, Baylor Coll of Med
Inflammation and Prostate Cancer
Angelo M De Marzo, The Johns Hopkins Univ Sch of Med

**ERβ IN CELL PROLIFERATION AND DIFFERENTIATION**
Chair: Sari I Makela, Univ of Turku (Finland)
Mechanisms of the Action of ERβ in Controlling Cell Proliferation
Jan-Ake Gustafsson, Univ of Houston
Roles for ER-β in the Brain with Respect to Social Behaviors
Elena Choleris, Univ of Guelph (Canada)
Role of Estrogen Receptor Beta in Breast Cancer Growth Control
Luisa A Helguero, Univ de Aveiro (Portugal)
A Role for Estrogen Receptor Beta in the Regulation of Uterine Tissues
Philippa T Saunders, Univ of Edinburgh (Scotland, UK)
Meet-the-Professor Sessions

Visit www.endo-society.org/endo2013 for times and dates of these sessions.

**ADRENAL**

- **ACTH-Independent Macronodular Adrenal Hyperplasia: Diagnosis and Management**
  André Lacroix, CHUM Univ de Montréal (Canada)

- **Adrenal Insufficiency: Hormone Replacement Therapy**
  Eystein S Husebye, Haukeland Univ Hosp (Norway)

- **Clinical Management of Adrenocortical Carcinoma**
  Massimo Terzolo, Univ degli Studi di Torino (Italy)

- **Congenital Adrenal Hyperplasia from Adolescent to Adult**
  Deborah P Merke, NIH

- **Pheochromocytoma and Paraganglioma Syndromes: What's New?**
  Massimo Mannelli, Univ degli Studi di Firenze (Italy)

- **Primary Hyperaldosteronism: Diagnosis and Management**
  Michael Stowasser, Univ of Queensland (Australia)

- **When To Consider and How To Perform Case Detection Testing for Endocrine Hypertension**
  Jacques WM Lenders, Radboud Univ Nijmegen Med Ctr (Netherlands)

**BONE**

- **Hyperparathyroidism: Diagnosis and Medical Therapy**
  Mishaela R Rubin, Columbia Univ Coll of Phys & Surg

- **Idiopathic Osteoporosis in Premenopausal Women**
  Elizabeth Shane, Columbia Univ Coll of Phys & Surg

- **Male Osteoporosis**
  Benjamin Z Leder, Massachusetts Gen Hosp

- **Osteoporosis Risk Assessment**
  Tamara J Vokes, Univ of Chicago

- **Osteoporosis: Side Effects of Therapies**
  Robert A Adler, Virginia Commonwealth Univ Sch of Med

- **Pediatric Bone Densitometry: Pearls and Pitfalls**
  Laura K Bachrach, Stanford Med Ctr

- **Primary Hyperparathyroidism: A Surgeon's Perspective**
  Julie A Sosa, Duke Univ

- **Risk Assessment Monitoring Bone Markers/Osteoporosis**
  Robert G Josse, St Michael’s Hosp, Univ of Toronto (Canada)

- **Secondary Osteoporosis**
  Nelson B Watts, Mercy Hlth

- **Vitamin D Deficiency**
  Daniel D Bikle, VA Med Ctr, Univ of California-San Francisco

**DIABETES**

- **Diabetes in Cystic Fibrosis**
  Remi Rabasa-Lhoret, Inst de Res Clin de Montréal (Canada)

- **Diabetes Management: Which Insulins and When?**
  (Supported by Novo Nordisk Inc.)
  Irl Hirsch, Univ of Washington

- **Diabetes: Pumps and Sensors**
  (Supported by Medtronic Diabetes)
  Stuart A Weinzimer, Yale Univ Sch of Med

- **Hyperglycemia in the Acute Care Setting**
  Mary T Korytkowski, Univ of Pittsburgh

- **Insulin Management with Exercise**
  Raj P Wadwa, Univ of Colorado-Denver

- **Management of Diabetic Complications: Neuropathy**
  Aaron I Vinik, Eastern Virginia Med Sch

- **Management of Type 2 Diabetes in Adolescents**
  Jane Lockwood Lynch, Univ of Texas Hlth Sci Ctr

- **Pediatric Perspective on Insulin Pumps**
  (Supported by Medtronic Diabetes)
  Moshe Phillip, Schneider Children’s Med Ctr (Israel)

- **What Type of Diabetes is it: Type 1, Type 2, or Another Type?**
  Silva A Arslanian, Children’s Hosp of Pittsburgh

- **Work Up and Management of Severe Insulin Resistance Syndromes**
  Robert K Semple, Cambridge Univ Inst of Metab Sci (UK)

**FEMALE REPRODUCTION**

- **Contraception for Women with PCOS: Benefit vs Risk**
  Bulent O Yildiz, Hacettepe Univ School of Med (Turkey)

- **Hyperprolactinemia and Pregnancy**
  Syed A Imran, Queen Elizabeth II Hosp (Canada)

- **Management of PCOS**
  Stephen Franks, Imperial Coll London (UK)

- **Postmenopausal Hormone Therapy: What’s New?**
  Kathryn A Martin, Massachusetts Gen Hosp

- **Use of Contraceptive Agents for Non-Contraception**
  Sarah Berga, Wake Forest Univ/Baptist

**LIPIDS & OBESITY**

- **An Update on Bariatric Surgery**
  Speaker to be determined

- **Lipid Profile and Risk: Is HDL Really Protective?**
  (Supported by Amarin Pharma Inc.)
  Eliot Brinton, Univ of Utah

- **New Guidelines for Management of Lipids in Children**
  Katherine M Morrison, McMaster Univ Med Ctr (Canada)

- **New Pharmacological Therapies for Obesity Management**
  (Supported by Eisai Inc.)
  W Timothy Garvey, Univ of Alabama-Birmingham

- **Statin Therapy in Hyperlipidemia: Balancing the Risk and Benefits**
  (Supported by Amarin Pharma Inc.)
  Kenneth Feingold, Univ California-San Francisco/VA Med Ctr

- **The Work Up and Management of Lipodystrophies**
  (Supported by Amarin Pharma Inc.)
  Steven K Grinspoon, Massachusetts Gen Hosp
MALE REPRODUCTION

Induction of Fertility in the Hypogonadotrophic Male
Robert I McLachlan, Prince Henry’s Inst of Med Res (Australia)

Klinefelter Syndrome: Clinical Management Issues
Speaker to be determined

Low Testosterone in Men with Metabolic Syndrome/Diabetes: Evaluation and Management
Mathis Grossmann, Univ of Melbourne/Austin Hlth (Australia)

Managing Erectile Dysfunction
Glenn R Cunningham, St. Luke’s Episcopal Hosp

MISCELLANEOUS

Growth Hormone Therapy in Prader Willi
(Robert I McLachlan, Prince Henry’s Inst of Med Res (Australia))
Charlotte Hoybye, Karolinska Hosp (Sweden)

MEN1: Case Presentations and Clinical Update
Rajesh V Thakker, Univ of Oxford (UK)

Nutraceuticals: Sorting Fact from Fantasy
Jeffrey I Mechanick, Mt Sinai Med Ctr

Sodium and Water Balance, Vasopressin
Joseph A Majzoub, Harvard Med Sch/Children’s Hosp

Sweating and Flushing: Evaluation and Management
Pierre-Marc G Bouloux, Royal Free Hosp (UK)

PEDIATRICS

Androgen Insensitivity: Diagnosis and Management
Sven O Hiort, Univ of Luebeck (Germany)

Delayed Puberty: Diagnosis, Evaluation, and Management
Mark R Palmert, The Hosp for Sick Children

Girl? Boy? What to do When the Answer to the Parents’ First Question is Not Obvious in the Delivery Room?
Guy Van Vliet, Sainte-Justine Hosp (Canada)

Idiopathic Short Stature: Differential Diagnosis, Genetic Evaluation and Treatment
(Supported by Novo Nordisk Inc.)
Alan D Rogol, Univ of Virginia

Management of Morbidly Obese Adolescents
Mark D DeBoer, Univ of Virginia

Phosphate Disorders in Children
Rachel I Gafni, NIH

Premature Adrenarche: Evaluation and Management
Sharon E Oberfield, Columbia Univ Med Ctr

Presentation and Management of Thyroid Nodules and Cancer in Children
(Supported by Genzyme, a Sanofi company)
Andrew J Bauer, Walter Reed Natl Milit Med Ctr

PITUITARY

Acromegaly: Diagnosis and Management
(Peter J Trainer, The Christie NHS Fdn Trust (UK))
Richard A Feelders, Erasmus Med Ctr (Netherlands)

Delayed puberty: Diagnosis, evaluation, and Management
(Supported by Novo Nordisk Inc.)
Mark R Palmert, The Hosp for Sick Children

Cushing Disease: Evaluation and Management
(Peter J Trainer, The Christie NHS Fdn Trust (UK)

Hypogonadotrophic Hypogonadism: Management Issues
William F Crowley, Massachusetts Gen Hosp

Pituitary Incidentalomas
Laurence Katznelson, Stanford Univ

THYROID

Evaluation of Thyroid Nodules
(Supported by Genzyme, a Sanofi company)
Susan J Mandel, Univ of Pennsylvania Sch of Med

Graves Disease Ophthalmopathy
Wilmar M Wiersinga, Univ of Amsterdam (Netherlands)

RAI Remnant Ablation: When is 30 mCi Appropriate?
Jacqueline Jonklaas, Georgetown Univ Med Ctr

Subclinical Thyroid Disease
David S Cooper, Johns Hopkins Univ Sch of Med

The Papillary Microcarcinoma Epidemic: Ignore, Observe, or Treat?
Douglas S Ross, Massachusetts Gen Hosp

Thyroglobulin Assays: Are They Sensitive Enough?
Carole A Spencer, Univ of S California Endocrine Labs

Thyroid Hormone Replacement: T3, T4, or Both?
Kenneth D Burman, Washington Hosp Ctr
Case Management Forums

Visit www.endo-society.org/endo2013 for times and dates of these sessions.

Case Management Forums are designed to provide an interactive and patient-oriented management discussion for clinicians attending ENDO 2013.

FEMALE REPRODUCTION
Fertility Preservation: Who and When to Refer?
Nanette F Santoro, Univ of Colorado Sch of Med
Laxmi A Kondapalli, Univ of Colorado-Denver

PEDIATRICS
Management of Congenital Hypothyroidism
Gary Butler, Univ Coll London Hosp (UK)
Juliane Leger, Hosp Robert Debré (France)

THYROID
Cases with Unusual or Perplexing Thyroid Function Tests
V Krishna K Chatterjee, Univ of Cambridge/Addenbrooke’s Hosp (UK)
Mark Gurnell, Univ of Cambridge (UK)
Carla M Moran, Univ of Cambridge (UK)

PATH Symposium

Saturday, June 15
4:00 – 5:30 PM

This symposium will present the progress of the Partnership for the Accurate Testing of Hormones (PATH) in improving the accuracy of testosterone assays used clinically and in research, including the generation of broadly applicable, accuracy-based reference ranges in men. Attendees will also learn about efforts to improve thyroid hormone assays and will hear an update on the CDC’s National Health and Nutrition Examination Survey, which provides a wealth of publicly accessible data from a broad sample of adults and children in the US.

IMPROVING HORMONE MEASUREMENTS — THE PATH TO ACCURATE TESTOSTERONE AND THYROID TESTS

Moderator and Speaker 1: William Rosner, MD, Columbia Univ
The Partnership for the Accurate Testing of Hormones (PATH)

Speaker 2: Hubert Vesper, PhD, Div of Lab Scis, Clin Chem Br, NCEH, CDC
Status of Testosterone Test Quality and Testosterone Levels in the US Population

Speaker 3: Shalender Bhasin, MD, Boston Univ
Accuracy-Based Testosterone Reference Intervals in Healthy Men

Speaker 4: James Faix, MD, Stanford Univ
Standardization and Harmonization of Thyroid Hormone Assays

Master Clinicians Sessions

Saturday, June 15
9:30 – 10:30 AM
Type II Diabetes Mellitus
Moderator: Om P Ganda, MD, Harvard Med Sch
Experts: David A D’Alessio, MD, Univ of Cincinnati
Helena W Rodbard, MD, FACP, MACE, Endo Metab Assoc, (Potomac, MD)

Monday, June 17
4:00 – 5:00 PM
Adrenal Nodules
Moderator: Richard Joseph Auchus, MD, PhD, Univ of Michigan
Experts: Massimo Terzolo, MD, Univ degli Studi di Torino (Italy)
Baha Arafah, MD, Case Western Reserve Univ

Tuesday, June 18
1:30 – 2:30 PM
Osteoporosis
Moderator: Robert A Adler, MD, McGuire VA Med Ctr
Experts: Richard Eastell, MBChB, MD, Univ of Sheffield (UK)
Michael R McClung, MD, FACP, Oregon Osteoporosis Ctr

Clinical Practice Guideline Sessions

Sunday, June 16
9:15 – 10:00 AM
Diagnosis and Treatment of Polycystic Ovary Syndrome: An Endocrine Society Clinical Practice Guideline
Moderator: To be determined
Task Force Chair: Richard S Legro, MD, Penn State Univ Coll of Med

Monday, June 17
9:15 – 10:00 AM
Evaluation and Treatment of Hypertriglyceridemia: An Endocrine Society Clinical Practice Guideline
Moderator: To be determined
Task Force Chair: Lars F Berglund, MD, PhD, Univ of California, Davis

Tuesday, June 18
10:00 – 10:45 AM
Diabetes & Pregnancy: An Endocrine Society Clinical Practice Guideline
Moderator: To be determined
Task Force Chair: Ian Blumer, MD, FRCP
Charles H Best Diabetes Ctr (Canada)
Travel

TOUR INFORMATION
Activities within the city and around the Bay Area are limitless. While in San Francisco you can find tours, one-of-a-kind sights, and other attractions. To find the perfect activity for you, visit http://groups.sanfrancisco.travel/endo-soc-120612.asp.

LETTER OF INVITATION
If you require a Letter of Invitation to participate in ENDO 2013, check the appropriate box on the online registration website and one will be forwarded to you with your confirmation letter. Pre-registration is required.

Italian pharmaceutical companies wishing to sponsor ENDO should refer (as imposed by the Italian Ministry of Health) to:

Angel Napolitano
Official Agency for AIFA, Italian Ministry of Health
Client Relations Srl serving ABTS Convention Services
Via Giacomo Trevis, 88 A2
00147 Rome, Italy

Email: napolitano@abtsccs.com
Phone: 011 39 (06) 9028.6041

ONLINE APPLICATION REQUIRED FOR OVERSEAS VISITORS
Please visit travel.state.gov/visa/temp/without/without_1990.html for up-to-date information on the Visa Waiver Program and official travel policies to the United States.

PARKING
There are several convenient parking options for the Moscone Center. For full parking options and information visit www.moscone.com/directions/parking.shtml

PUBLIC TRANSPORTATION TO THE MOSCONCE CENTER
• Via BART, MUNI Metro
  Disembark at the Powell Street Station. Exit to 4th and Market Streets. Turn right on 4th. Walk two blocks south to Howard Street and turn left. The Moscone Center is located on the 700 block of Howard Street. You’ll find Moscone South on your right and Moscone North on your left.

• Via Caltrain
  From the Caltrain Station (4th & Townsend): across 4th Street from the train station, catch either the #15, #30, or #45 lines. Get off at 3rd and Folsom. Walk one block North towards Howard Street. Turn left on Howard. The Moscone Center is located on the 700 block of Howard Street. You’ll find Moscone South on your left and Moscone North on your right.

Register for the Premium Package

Now through June 13, get the maximum benefit of ENDO Registration and the ENDO 2013 Session Library when you select the Premium Registration Package. The Premium Package includes ENDO Registration, the Session Library, and Meet-the-Professor Clinical Case Management 2013. The Premium Package provides a savings of up to $150 on the ENDO 2013 Session Library.

The ENDO Session Library features more than 100 clinical and translational sessions recorded live at ENDO.

• Session is audio synchronized with slides
• Delivered exclusively online
• Features easily-downloadable mp3 files
• Includes participating clinical and translational sessions

TAKE ADVANTAGE OF THIS SPECIAL OFFER BEFORE PRICES INCREASE!
www.endo-society.org/endo2013
Hotel List

1. San Francisco Marriott Marquis (HEADQUARTERS)
2. InterContinental San Francisco
3. Courtyard by Marriott San Francisco Downtown
4. Grand Hyatt San Francisco
5. Handlery Union Square Hotel
6. Hilton San Francisco Union Square
7. Hotel Palomar
8. Mosser Hotel
9. Palace Hotel
10. Parc 55 Wyndham San Francisco-Union Square
11. Sir Francis Drake Hotel
12. The St. Regis Hotel San Francisco
13. W San Francisco
14. The Westin St. Francis San Francisco On Union Square
15. The Westin San Francisco Market Street
**REGISTRATION INFORMATION**

### Key Deadlines

- **Early Registration/Group Registration Deadline:** April 24, 2013
- **Regular Registration Deadline:** May 22, 2013
- **Cancellation and Refund Request Deadline:** May 22, 2013
- **Late Registration/Onsite Deadline:** June 18, 2013

For rates and package discounts, visit [www.endo-society.org/endo2013/registration.cfm](http://www.endo-society.org/endo2013/registration.cfm)

### Premium Registration Package

Includes ENDO Registration, Session Library, and Clinical MTP Handout Book

**Best Value for Clinical Attendees. Save up to $150 on the ENDO 2013 Session Library and get a free Clinical MTP Handout Book.**

<table>
<thead>
<tr>
<th></th>
<th>Early: by April 24</th>
<th>Regular: April 25 – May 22</th>
<th>Late/Onsite: May 23 – Jun 18</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Member</td>
<td>$560</td>
<td>$710</td>
<td>$780</td>
</tr>
<tr>
<td>2. Nonmember</td>
<td>$1,170</td>
<td>$1,330</td>
<td>$1,405</td>
</tr>
<tr>
<td>3. In-Training Member</td>
<td>$345</td>
<td>$445</td>
<td>$470</td>
</tr>
<tr>
<td>4. Early Career Member</td>
<td>$345</td>
<td>$445</td>
<td>$470</td>
</tr>
<tr>
<td>5. RN (including ENS* members) or PA or NP</td>
<td>$470</td>
<td>$620</td>
<td>$700</td>
</tr>
</tbody>
</table>

### Standard Registration Package

Includes ENDO Registration only. DOES NOT include Session Library or Clinical MTP Handout Book.

<table>
<thead>
<tr>
<th></th>
<th>Early: by April 24</th>
<th>Regular: April 25 – May 22</th>
<th>Late/Onsite: May 23 – Jun 18</th>
</tr>
</thead>
<tbody>
<tr>
<td>6. Member or ENS Member</td>
<td>$435</td>
<td>$585</td>
<td>$655</td>
</tr>
<tr>
<td>7. Nonmember</td>
<td>$995</td>
<td>$1,155</td>
<td>$1,230</td>
</tr>
<tr>
<td>8. In-Training Member</td>
<td>$220</td>
<td>$320</td>
<td>$345</td>
</tr>
<tr>
<td>9. Early Career Member</td>
<td>$220</td>
<td>$320</td>
<td>$345</td>
</tr>
<tr>
<td>10. RN (including ENS members) or PA or NP</td>
<td>$345</td>
<td>$495</td>
<td>$575</td>
</tr>
<tr>
<td>11. Member or ENS Member One Day</td>
<td>$250</td>
<td>$325</td>
<td>$375</td>
</tr>
<tr>
<td>12. Nonmember or Nurse One Day</td>
<td>$350</td>
<td>$440</td>
<td>$490</td>
</tr>
<tr>
<td>13. Emeritus Member</td>
<td>Free</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. Guest</td>
<td>$100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### How To Register

**Online:** [www.endo-society.org/endo2013](http://www.endo-society.org/endo2013)

**Mail:** ENDO 2013 Registrar
c/o Experient
PO Box 4088
Frederick, MD 21705-4088

**Domestic ONLY:** 800.803.6519
**International ONLY:** +1.240.439.2974
**Fax:** 301.694.5124
**Email:** endo@experient-inc.com

**PAYMENT**
Registrations without full payment will not be processed. Do not use more than one method of registration because you will be charged twice.

**Discounted Member Registration Rates**

**Become a Member and Save!** Endocrine Society Members can save over 50% on ENDO Registration.**

If you would like to receive the discounted registration rates, be sure to become a member before registering for ENDO 2013. To apply for or reinstate your membership, visit [www.endo-society.org/membership](http://www.endo-society.org/membership).

**Membership registration rates are valid with paid 2013 membership dues.**

**In-Training Member Group Discount**
Register two in-training members and get the third in-training member registration free (maximum of four free registrants). To receive this discount:

- Everyone in the group must be a student or fellow member of The Endocrine Society.
- You must book hotel accommodations through the ENDO 2013 Housing Bureau.
- Everyone in the group must be from the same organization, department, and city.
- Group registration payment must be provided in one transaction.

**Cancellations & Refunds**
Cancellations must be received in writing by May 22, 2013. Cancellations made by this date will receive a full refund, minus a $50 processing fee. After May 22, 2013, no refunds will be issued for changes, cancellations, or no-shows. All refunds will be processed after ENDO. Send requests for refunds to:

**Mail:** ENDO 2013 Registrar
c/o Experient
PO Box 4088
Frederick, MD 21705-4088
**Fax:** 301.694.5124
**Email:** endo@experient-inc.com

---

*Endocrine Nurses Society*
Housing Information

KEY DEADLINES
Group/Exhibitor Reservation Deadline: April 24, 2013
Regular Attendee Reservation Deadline: May 22, 2013

ENDO 2013 HOUSING BLOCK
Book your hotel reservation through the ENDO 2013 Housing Bureau and reap the benefits. You will receive the best rates, optimal location, and best networking opportunities.

METHODS OF HOUSING RESERVATION
You must be registered for ENDO 2013 to obtain housing. If not registering online, complete both a registration and housing form and return them with credit card information or full payment to the ENDO Registrar by May 22, 2013, using one of the following methods:

Online: www.endo-society.org/endo2013/registration.cfm
Mail:
ENDO 2013 Registrar
c/o Experient
PO Box 4088
Frederick, MD 21705-4088
Email: endo@experient-inc.com
Fax: 301.694.5124 (US and Canada) or +1.301.694.5124 (International)

Do not use more than one method of reservation because you will be charged twice. Reservations will not be accepted by telephone. Housing Request Forms without a credit card guarantee will not be processed. Conference rates cannot be guaranteed past the deadline of May 22, 2013. If you wish to extend your stay beyond ENDO, we will attempt to secure a room for you at your choice of hotel; however, room occupancy and conference rates may not be available.

CHANGES/CANCELLATIONS
Cancellations received within 72 hours of check-in will be charged one night’s room and tax by the hotel. Housing forms must be received by the Housing Bureau by May 22, 2013. All changes and cancellations up to May 22, 2013, must be referred in writing or email to the Housing Bureau. Any changes after May 22, 2013, must be made directly with the hotel starting May 29, 2013.

CHILDCARE INFORMATION
The Endocrine Society will not be sponsoring child care. Those requiring child care during the meeting must make arrangements on their own. For information about recommended providers, visit www.endo-society.org/endo2013/san-francisco-city-information.cfm.

GROUP/EXHIBITOR HOUSING RESERVATIONS
Group/Exhibitor Registration Deadline: April 24, 2013
Have Group Housing Questions?
Email: endo.exhibitor@experient-inc.com
endo.groups@experient-inc.com
Mail:
ENDO 2013 Registrar
c/o Experient
568 Atrium Drive
Vernon Hills, IL 60061-1731
Fax: 847.996.5401 (US and Canada) or +1.301.694.5124 (International)

Continuing Medical Education
ACCREDITATION STATEMENT
The Endocrine Society is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Endocrine Society has achieved Accreditation with Commendation.

The Endocrine Society designates this live educational activity for a maximum of 31.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Poster sessions at ENDO are not eligible for CME credit.
ENDO 2013 Contact Information

MAIN OFFICE
The Endocrine Society
8401 Connecticut Avenue, Suite 900
Chevy Chase, MD 20815-5817
Phone: +1.301.941.0200
(888.363.6274 toll-free in the US)
www.endo-society.org/endo2013

MEMBERSHIP
Phone: +1.301.941.0210
(888.363.6762 toll-free in the US)
Fax: 301.941.0257

MEDIA
Aaron Lohr
Phone: 240.482.1380
Email: media@endo-society.org

REGISTRATION
Mail:
ENDO 2013 Registrar
c/o Experient
PO Box 4088
Frederick, MD 21705-4088
Domestic ONLY: 800.803.6519
International ONLY: +1.240.439.2974
Fax: 301.694.5124
Email: endo@experient-inc.com

HOUSING
Mail:
ENDO 2013 Registrar
c/o Experient
PO Box 4088
Frederick, MD 21705-4088
Domestic ONLY: 800.803.6519
International ONLY: +1.240.439.2974
Fax: 301.694.5124
Email: endo@experient-inc.com

GROUP REGISTRATION AND HOUSING
Mail:
ENDO 2013 Group Registrar
c/o Experient
568 Atrium Drive
Vernon Hills, IL 60061-1731
Fax: 847.996.5401 or +1.301.694.5124 (International)
Email: endo.groups@experient-inc.com

EXHIBITOR REGISTRATION AND HOUSING
Mail:
ENDO 2013 Exhibitor Registrar
c/o Experient
568 Atrium Drive
Vernon Hills, IL 60061-1731
Fax: 847.996.5401 or +1.301.694.5124 (International)
Email: endo.exhibitor@experient-inc.com
The Endocrine Society would like to thank the following supporters of ENDO 2013. Their support helps the Society provide a relevant and superior program for all participants.


Register today at www.endo-society.org/endo2013
REGISTRER TODAY

ENDOCRINE BOARD REVIEW

SEPTEMBER 24–28, 2013
Hyatt Regency New Orleans

New Orleans, Louisiana

Take your exam with confidence! Whether you are seeking initial certification or recertification, the Society’s Endocrine Board Reviews are the premier preparatory courses for you. Get real-time feedback on your performance with these interactive mock-exams.

REGISTER BY AUGUST 22 FOR DISCOUNTED RATES.
Visit us online or call Society Services at 1.888.363.6762 (toll free in the US) or 1.301.941.0210.

LEARN MORE AT WWW. ENDO-SOCIETY. ORG/ NOLA!
REGISTER NOW FOR ENDO 2013

CELEBRATE 95 YEARS OF THE ANNUAL MEETING & EXPO

Register at www.endo-society.org/endo2013