



**INTERNATIONAL SYMPOSIUM ON IGF-1, GH and  
GHRELIN/GHS: CLIMBING THE SCIENTIFIC GROWTH  
LADDER**

**The Peabody Hotel**

**Orlando, Florida**

**March 4 – 6, 2011**

**SCIENTIFIC ADVISORY COMMITTEE**

**Barry Bercu**

**Ezio Ghigo**

**Shlomo Melmed**

**Derek LeRoith**

**Ron Rosenfeld**

**Paul Saenger**

**Roy Smith**

**GHRELIN ADVISORY COMMITTEE**

**Ezio Ghigo**

**Kenji Kangawa**

**Masamitsu Nakazato**

**Roy Smith**

**SYMPOSIUM ORGANIZER AND COURSE DIRECTOR**

**Barry B. Bercu**

Day 1 of 3 Program

**Sixth International Symposium on GH Secretagogues (Ghrelin)**

**Ghrelin: Translational and Clinical Research**

Chairs: Ezio Ghigo and Roy Smith

7:00 – 7:50 am Continental Breakfast

7:50 – 8:00 am Introduction Barry Bercu

Moderator Barry Bercu

8:00 – 8:30 am KEYNOTE LECTURE

Roy Smith, PhD (Jupiter, FL)

Future of ghrelin research and potential clinical applications

8:30 – 9:00 am Marta Korbonits, MD, PhD (London, UK)

Ghrelin genetics

9:00 – 9:30 am Tamas Horvath, PhD (New Haven, CT, USA)

Ghrelin protects neurons in a mitochondrial redox-dependent manner

9:30 – 10:00 am Guosheng Liang, PhD (UT Southwestern, Dallas, TX, USA)

Regulation of ghrelin acylation by GOAT

10:00 – 10:15 am Coffee Break

Moderator Ezio Ghigo

10:15 – 10:45 am Felipe Casaneuva, MD (Santiago de Compostela, Spain)

Pituitary GHRH/ghrelin receptor signaling or GHRH and ghrelin interaction

10:45 – 11:15 am Suzanne Dickson, PhD (Gothenberg, Sweden)

Central ghrelin signaling in alcohol reward, food reward and mood

11:15 – 11:45 am Steven Grinspoon, MD  
Use of GHRH to reduce abdominal fat accumulation in HIV lipodystrophy

11:45 – 12:00 pm Hot Topic (n =1)

12:00 – 1:00 pm Lunch

Moderator Roy Smith

1:00 – 1:15 pm OVERVIEW LECTURE  
Ezio Ghigo, MD (Turino, Italy)  
Overview: From neuroendocrine to metabolic actions

1:15 – 1:45 pm Matthias Tschoep, MD (Cincinnati, OH, USA)  
Ghrelin regulation of energy balance

1:45 – 2:15 pm Jose Garcia, MD (Houston, TX, USA)  
Benefits of ghrelin against treatment on male reproduction function and cachexia during cis-platin chemotherapy

2:15 – 3:00 pm Hot Topics (n=3)

3:00 – 3:15 pm Coffee Break

Moderator Roy Smith

3:15 – 3:45 pm Joeseeph Gertner, MBBD (NY, USA)  
Clinical trials with ghrelin in patients with catabolic conditions

3:45 – 4:15 pm Riccarda Granata, MD (Turin, Italy)  
Ghrelin and obestatin in the regulation of peripheral glucose and lipid metabolism

- 4:15 – 4:45 pm      Aart Jan vander Lely, MD (Rotterdam, The Netherlands)  
Nonacylated ghrelin for the treatment of type 2 diabetes: Clinical studies
- 4:45 – 5:15 pm      Masamitsu Nakazato, MD, PhD or Kenji Kangawa, MD, PhD (Japan)  
Hot Topic: Update from laboratory of ghrelin's discovery: Clinical trial of ghrelin for cachexia
- 5:15 – 5:30 pm      Hot Topic (n=1)

Day 2 of 3 Program

**GH: Genetics 2011 and Future Direction of hGH Therapy**

Chairs: Shlomo Melmed and Paul Saenger

7:00 – 7:50 am Continental Breakfast

7:50 – 8:00 am Introduction Barry Bercu

Moderator Shlomo Melmed

8:00 – 8:30 am Primus E. Mullis, MD (Bern, Switzerland)

GH1: Expanding the genetics spectrum

8:30 – 9:00 am Sally Radovick, MD (Baltimore, MD, USA)

Pituitary transcription factors

9:00 – 9:30 am Gerhard Baumann, MD (Chicago, IL, USA)

GHRH receptor mutations

9:30 – 10:00 am Michael Waters, MD (St. Lucia, Australia)

GH induction of cell growth

10:00 – 10:15 am Coffee Break

Moderator Shlomo Melmed

10:15 – 10:45 am Andrew Hoffman, MD (Palo Alto, CA, USA)

hGH in competitive sports

10:45 – 11:15 am Paul Saenger (NY, NY, USA)

Safety and efficacy of different hGH formulations: What does the future hold?

11:15 – 11:45 am Martin Bidlingmaier, MD (Munich, Germany)

hGH (and IGF-1) doping in sports: new methods of detection

11:45 - 12:00 pm Hot Topic (n=1)

12:00 – 1:00 pm      Lunch

Moderator    Paul Saenger

1:00 – 1:30 pm      Shlomo Melmed, MD (LA, CA, USA)

Novel chimeric peptide therapies for acromegaly

1:30 – 2:00 pm      Peter Clayton, MD (UK)

Biomarkers for height prediction models

2:00 – 2:30 pm      George Merriam, MD (Seattle, WA, USA)

Update on methods of neuroendocrine GH secretory testing: how do we diagnose AGHD?

2:30 - 3:00 pm      Hot Topics (n=2)

3:00 – 3:15 pm      Coffee Break

Moderator    Paul Saenger

3:15 – 3:45 pm      Hassie Cohen, MD (LA, CA, USA)

Use of hGH in non-pituitary disorders

3:45 - 4:15 pm      Dorothy Shulman, MD (Tampa/St. Petersburg, FL, USA)

New insights into the relationship of GH and diabetes

4:15 – 4:45 pm      Frank Diamond, MD (Tampa/St. Petersburg, FL, USA)

GH interactions with the “obesity” hormones

4:45 – 5:30 pm      Hot Topics (n=3)

Day 3 of 3 Program

**IGF1: New Advances**

Chairs: Derek LeRoith and Ron Rosenfeld

7:00 – 7:50 am Continental Breakfast

7:50 – 8:00 am Introduction Barry Bercu

Moderator Derek LeRoith

8:00 – 8:30 am Ron Rosenfeld, MD (CA, USA)

Spectrum of IGFD

8:30 – 9:00 am Alexander Jorge, MD (Sao Paulo, Brazil)

Molecular defects of the GH receptor

9:30 – 9:30 am Vivian Hwa, PhD (Portland, OR, USA)

Molecular defects of GH signaling

9:30 – 10:00 am Jan-Maarten Wit, MD, PhD (Leiden, Netherlands)

Molecular defects of IGF-1

10:00 – 10:15 am Coffee Break

Moderator Ron Rosenfeld

10:15 – 10:45 am Yves LeBouc, MD (Paris, France)

Molecular defects of IGF II

10:45 - 11:15 am Horacio Domene, PhD (Buenos Aires, Argentina)

Molecular defects of IGFBPs/ALS

11:15 – 11:45 pm Wieland Kiess, MD (Leipzig, Germany)

Molecular defects of IGF-1 receptor

11:45 – 12:15 pm Martin O. Savage, MD (London, UK)

Genotype:phenotype analysis

12:15 – 1:00 pm	Lunch
Moderator	Ron Rosenfeld
1:00 – 1:30 pm	Derek LeRoith, MD (NY, NY, USA) The role of insulin and IGFs in cancer growth
1:30 – 2:00 pm	Lee Helman, MD (Bethesda, MD, USA) The role of IGF-1 receptor blockade on inhibiting cancer: Clinical trials
2:00 – 2:30 pm	Philippe Backeljauw, MD (Cincinnati, OH, USA) Long-term treatment with recombinant IGF-1 – Results in patients with severe primary IGF-1 deficiency (IGFD)
2:30 – 3:00 pm	Hot Topics (n = 2)
3:00 – 3:15 pm	Coffee Break
Moderator	Derek LeRoith
3:15 – 3:45 pm	George Bright, MD (CA, USA) Update on clinical trials using IGF-1
3:45 – 4:15 pm	David Clemmons, MD (Chapel Hill, UNC, USA) The use of rhIGF-1 and type 2 diabetes
4:15 – 4:45 pm	Nir Barzilai, MD (NY, NY, USA) IGF and aging
4:45 – 5:15 pm	Shoshana Yakar, PhD (NY, NY, USA) IGF and bone
5:15 – 5:30 pm	Hot Topic (n = 1)