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  Joeseph 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
<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter(s)</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:15 – 4:45 pm</td>
<td>Aart Jan vander Lely, MD (Rotterdam, The Netherlands)</td>
<td>Nonacylated ghrelin for the treatment of type 2 diabetes: Clinical studies</td>
</tr>
<tr>
<td>4:45 – 5:15 pm</td>
<td>Masamitsu Nakazato, MD, PhD or Kenji Kangawa, MD, PhD (Japan)</td>
<td>Hot Topic: Update from laboratory of ghrelin’s discovery: Clinical trial of ghrelin for cachexia</td>
</tr>
<tr>
<td>5:15 – 5:30 pm</td>
<td>Hot Topic (n=1)</td>
<td></td>
</tr>
</tbody>
</table>
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)