Main Topics 2017:
- The Growth hormone – IGF axis
- Pituitary Adenoma and multiple endocrine neoplasia
- Diabetes & gut-brain-axis: Neuro-Endo-Microbiota regulation of metabolism
- Regenerative Endocrinology in the Aging Patient
- Big data in Endocrinology and Research
- ThyroidTransAct Session
- Hormones and Endocrinology in “Social Media”

Sunday, July 30th – Thursday, August 3rd, 2017
Ev Bildungsstätte Schwanenwerder
Berlin, Germany

This is a joint project of the European Society of Endocrinology (ESE) with the German Society of Endocrinology (DGE), the European Young Endocrine Scientists (EYES) & Young Active Research in Endocrinology (YARE). Sponsored by the DFG SPP 1629 & DFG KFO 218, DDG, & SKELMet.

The European Society of Endocrinology, the German Society of Endocrinology and DFG-funded projects sponsor travel grants for young graduates and postgraduates.

Venue:
Evangelische Bildungsstätte auf Schwanenwerder
Inselstraße 27-28
14129 Berlin-Schwanenwerder
www.berlin-schwanenwerder.de

Scientific Organizing Committee:
Josef Köhrle (Charité, Berlin) Franz Jakob (University of Würzburg),
Jochern Seufert (University of Freiburg), Heike Biebbermann (Charité, Berlin) for ThyroidTransAct
Maria C. Zadelli, Ferrara, Italy & Marc Lombes, Le Kremlin-Bicêtre, France representing ESE

Representatives of YARE & EYES:
Rahel Büttler, Hohenems, Luis Cardoso, Coimbra, Milena Doroszko, Turku;
Henriette Undeutsch, Turku; Lev Prystupiuk, Kiev.

Format & curricular elements:
Plenary lectures, Breakout working groups, Poster Sessions; Sports, Communication & Networking

Scientific Conference Office:
Institute of Experimental Endocrinology
Charité – University Medicine Berlin
Mrs. Elke Abdel-Karim
Augustenburger Platz 1
13353 Berlin, Germany
Tel.: +49 30 450 524022
E-mail: elke.abdel-karim@charite.de

Conference Registration:
EndoScience Endokrinologie Service GmbH
Hopfengartenweg 19
90518 Altendorf, Germany
Tel. +49 (0)9187-9742411
E-Mail: info@endoscience.de

Organizer/Venstanter:
Akademie für Fort- und Weiterbildung der DGE
ESE SUMMER SCHOOL ON ENDOCRINOLOGY 2017

Topics and proposed / confirmed / invited Speakers:

1. Young Investigators Session I (organized by EYES)
   Rahel Büttler, Hohenems; Luís Cardoso, Coimbra; Milena Doroszko, Turku; Henriette Undeutsch, Turku; Lev Prystupiuk, Kiew

   • Matti Poutanen, Turku, Finland: Debate: Why do we need in vivo animal experiments in endocrinology?
   • NN: Debate: In vitro and in silicio screening for endocrine disruptors
   • W. Colin Duncan, Edinburgh, UK: Sheep as animal model in PCOS research
   • NN: Bone marrow fat as a new endocrine organ?

2. Pituitary endocrinology, adenoma and multiple endocrine neoplasia (MEN)

   • Gareth Leng, Edinburgh, UK: Oxytocin - from Geoffrey Harris to the “cuddling hormone”
   • Natalia Pellegata, Munich, D: MEN
   • Donato Iacovazzo, London, UK: Familial pituitary tumors
   • NN: Endocrine Connections between adipose tissue, acromegaly and insulin resistance

3. The Growth hormone – IGF axis

   • NN: Lifespan and sex differences in the GH-IGF Axis
   • Nele Friedrich, Greifswald, D: Metabolic Fingerprints of Circulating IGF-1 and the IGF-1/IGFBP-3 Ratio: A Multifluid Metabolomics Study
   • Marc Gurnell, Cambridge, UK: The GH-IGF axis


   • Gilles Mithieux, Lyon, France: Microbiota and gut-brain networks - succinate signalling
   • NN: β-cell-mimetic designer cells
   • Annette Schürmann, Rehbrücke, D: Animal models in diabetes research

5. 101 years of L-Thyroxine: Thyroid hormones, development and proliferation
   (ThyroidTransAct DFG Priority Programme)

   • Heiko Krude, Berlin, D: Targeting thyroid hormones to the brain in AHDS patients
   • Maik Pietzner, Greifswald: Thyroid-related diseases and big data
   • Georg Brabant, Lübeck: The human brain at work: Thyroid hormones and brain function

   • Group work breakout session
6. **Big data in life science – towards personalized and precision medicine**
   - **Klaus Pantel**, Hamburg, Germany: Big data, personalized and precision medicine in cancer and metabolic research
   - **NN: (Proteome/metabolome)** Mass spectrometry in endocrine research and diagnostics
   - **Matthias Hackl**, Vienna, A: Circulating microRNAs as novel biomarkers for bone diseases
     *Group session topic*: Being an entrepreneur in the RNA world
   - Group work breakout session

7. **Young Investigators Session II (organized by EYES): Translating science into business: (spin-off) company foundation**
   - **Roland Lauster**, Berlin, D: Printing human tissues chips
   - **Jasmin Hauzenberger**, Graz, Austria: Closed loop systems in diabetes technology
   - **NN:** Hormones and Endocrinology in “Social Media”
GENERAL INFORMATION

The ESE Summer School has a long-standing tradition as an interactive hormone-, metabolism- and endocrine-related brainstorming event and meeting place between researchers in academia, industry and clinicians.

For 2017 the meeting venue had to be relocated to the small island Schwanenwerder located in the Wannsee, one of the major lakes of Berlin, because the traditional location of this summer school near Bregenz, Austria, the Monastery Mehrerau is undergoing a major reconstruction during the summer months of 2017.

The Evangelische Bildungsstätte auf Schwanenwerder can house up to 62 guests, participation will be confirmed on first come - first serve basis. An overflow hotel has been reserved in walking distance. Please note that the Summer School is being held during a busy summer season in Berlin – therefore alternative accommodations may be difficult to obtain.

Deadline for registration and payment is July 15, 2017!

PARTICIPATION FEES

<table>
<thead>
<tr>
<th>Registration</th>
<th>Accommodation double room &amp; board 4 days</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Senior Scientists</td>
<td>€ 250.00 + € 400.00</td>
<td>€ 650.00</td>
</tr>
<tr>
<td>Students/Postdocs</td>
<td>€ 120.00 + € 340.00</td>
<td>€ 460.00</td>
</tr>
</tbody>
</table>

Registration fee for students, postdocs and other participants is including entry to all sessions, welcome reception on Sunday afternoon, coffee breaks and the conference handout.

The room and full board package for the entire meeting is 400.00 EUR for senior scientists and 340.00 EUR for students and postdocs. The accommodation costs include 4 nights’ accommodation (arrival: July 30th, departure: August 3rd). If you want to share your room with a certain person who is already registered for the conference, you can do so by contacting EndoScience johrendt@endoscience.de. Additional nights have to be paid on your own and need to be confirmed by EndoScience.

In case of accommodation outside the Evangelische Bildungsstätte auf Schwanenwerder full board has to be booked extra on-line.

For accompanying persons: if you want to share a double room please contact Endoscience.

Generous meeting/travel grants are provided by the European Society of Endocrinology (ESE) and also the Deutsche Gesellschaft für Endokrinologie (DGE).

Applications for travel/meeting grants need to be submitted directly to either ESE or DGE. To qualify for these grants, membership is required, which can be applied for in parallel with registration and which is affordable also for young investigators (e.g. ESE in training members pay 20€/a). For ESE membership (http://www.ese-hormones.org/membership/ordinary/index.aspx) and ESE meeting grants to the summer school please contact the website http://www.ese-hormones.org/prizes/ESEMeeting.aspx. For DGE associated membership fee is 25€/a http://www.endokrinologie.net/mitglied-werden.php and DGE travel grants applications can be submitted in parallel with membership application and registration (http://www.endokrinologie.net/reisekosten-stipendium.php).

Money refunding and participation will be made available on a “first register and pay, first served” basis.

Payment

By bank transfer (no cash payments of registration, room and boarding fees on site!)

Registration will be confirmed by mail. If no confirmation is received within one week, please contact the Congress secretariat.

Cancellation and refund policy

Notification of cancellation must be made in writing until June 30, 2017 and mailed to the congress secretariat with a reference to the bank account where a possible refund may be remitted to. An administrative fee of 30 € will be charged for refunds.
Cancellation and refund fee

Before July 10, 2017, total refund (excluding the administrative fee). After July 10, 2017 no refunds should be expected. Credit will not be given for unattended events, late arrivals or early departure. All refunds will only be processed after the Congress.

The beautiful Schwanenwerder island and its surroundings invite for a variety of sports and recreation - swimming, soccer, tennis, skating all around the lake - please don’t forget to bring along your sportswear!

Sponsors & Support

- European Society of Endocrinology (ESE)
- Deutsche Gesellschaft für Endokrinologie (DGE)
- Deutsche Diabetes Gesellschaft (DDG)
- German national consortium SKELMET
- DFG KFO 218 & SPP 1629 ThyroidTransAct, Charité Berlin
- EnForCé, Berlin

Travel information

By air:
Arriving at Airport Tegel:
- Take the express bus X9 (direction S+U Zoologischer Garten) from the airport to S+U Zoologischer Garten
- Change to S7 (direction S Potsdam HBF) to S Nikolasseee
- From station Nikolasseee, a shuttle bus will take you to the meeting venue

Arrival at Airport Schönefeld
- Take the express bus X7 (direction U Rudow) from the airport to U Rudow
- Change to U7 (direction S+U Rathaus Spandau to S+U Yorkstraße)
- Change to S1 (direction S Wannsee to S Nikolasseee)
- From station S Nikolasseee, a shuttle bus will take you to the meeting venue

By train:
Arrival at Berlin Hauptbahnhof:
- Take the S7 (direction S Potsdam HBF) to S Nikolasseee
- From station Nikolasseee, a shuttle bus will take you to the meeting venue

By car:
A115 (AVUS), exit Spanische Allee, Wannseebadweg, Inselstraße 27-28, 14129 Berlin