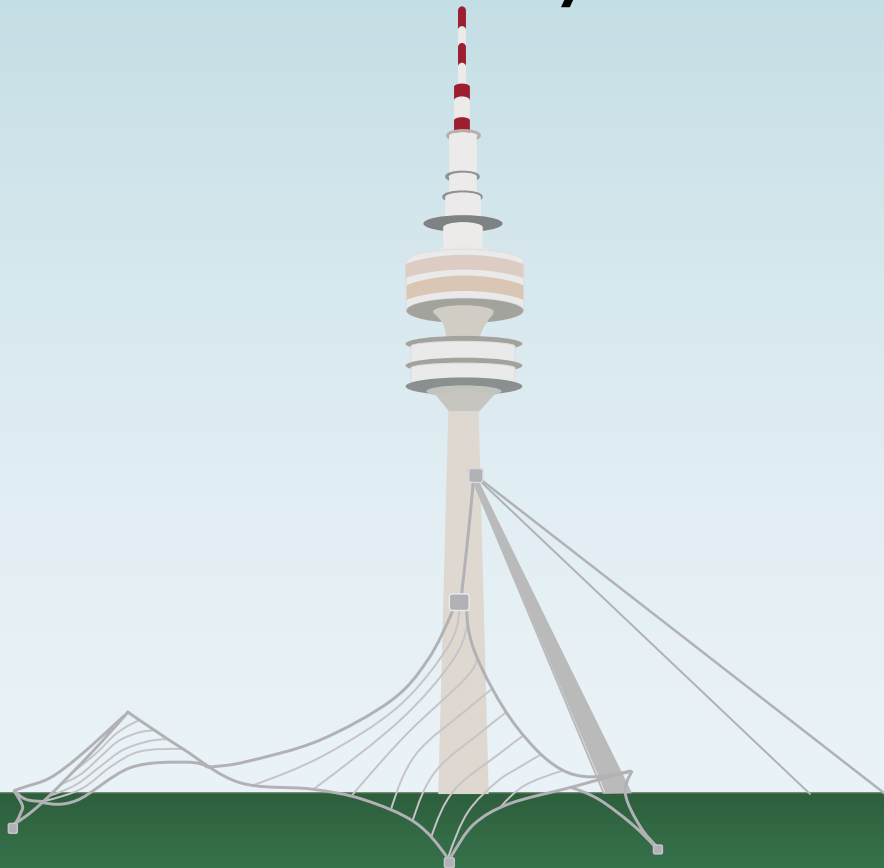


# 8. ENEA Workshop on Precision Pituitary Medicine



December 7-9, 2023 | Munich, Germany

A meeting of the







**8. ENEA Workshop** | Venue  
**HOLIDAY INN**  
**Munich-City Centre**

**LOCAL ORGANISING COMMITTEE**

Marily Theodoropoulou - Organizer

Günter Stalla (Munich)

Martin Reincke (Munich)

Martin Bidlingmaier (Munich)

Katharina Schilbach (Munich)

Stephan Petersenn (Hamburg)

Sebastian Meyhöfer (Lübeck)

- Sektion Neuroendokrinologie representative

Timo Deutschbein (Oldenburg)

- AG Hypophyse representative

Adriana Albani (Munich)

Luis Gustavo Perez-Rivas (Munich)

**ORGANISATION**

**ENDOScience**

Endokrinologie Service GmbH

Hopfengartenweg 19

90518 Altdorf

meeting@endoscience.de



*Dear colleagues  
and friends,*

It is a great pleasure to invite you to the  
**8. ENEA Workshop on Precision  
Pituitary Medicine** that will take  
place in **Munich**  
from **December 7-9, 2023**

Precision medicine is steadily gaining an important role in the everyday clinical practice. Advances in technology have revolutionized the way we understand, diagnose and manage human disease. Molecular tumour boards bring together oncologists, radiologists, pathologists, molecular biologists and surgeons to discuss and decide on the best therapeutic options for cancer patients. In pituitary disease, the rarity of pituitary conditions has hampered our understanding of the pathogenic mechanisms and the subsequent development of neuropathological biomarkers and targeted therapeutics. Accordingly, limited therapeutic alternatives together with lack of established genetic and other neuropathological protocols have undermined the precision management of patients with pituitary disease.

The **8. ENEA Workshop** will inform on the state of art in the diagnosis and management of patients with pituitary tumours and insufficiency, but also on the limitations clinicians are currently facing when managing patients with pituitary disease. The mission of this ENEA workshop is primarily to identify potential problems that hamper precision pituitary medicine and to ignite fruitful discussions on how to improve the interconnectivity between the different disciplines as well as study design and data interpretation. Our overarching aim is to expand clinical and translational networks and establish new collaborations so that we can move towards the precision management of patients with pituitary disease.

A dedicated local organizing committee put together a comprehensive programme that will be however incomplete without your contribution. For this reason, we have integrated slots for **oral communications** selected from the abstracts you submit and an **interactive poster session**. In addition, now more than ever it is important to listen to and actively involve younger colleagues: true to form, this Workshop programme will feature a symposium planned exclusively by the **ENEA Young Researchers Committee (EYRC)**. Furthermore, younger colleagues (i.e.  $\leq 40$  years old) will have the chance to present their work in distinct featured poster and oral communication sessions.

Finally, a healthy work-life balance is paramount for success. Fortunately, we will not have to work particularly hard to provide you with opportunities for life outside the congress: Munich in December is in fact the place to be! Winter markets (Christkindlmarkt) – some of which in walking distance from the Workshop centre – will be already set and running to welcome us with their warm lights and beautiful decoration and lure us with the inviting aromas of traditional sweets, Bratwurst and hot mulled wine (Glühwein). We cannot guarantee a traditional white market scene, but we ensure continued brainstorming discussions over the flames of a nice hot Feuerzangenbowle!

*Welcome to Munich!*

Cordially, Marily Theodoropoulou

On behalf of the local organizing committee and the ENEA Workshop & Study committee

**THURSDAY** December 7, 2023

**ENEA Workshop**

13:00-13:15 **OPENING**

**Marily Theodoropoulou** (Chair LOC)  
**Albert Beckers** (ENEA President)  
**Niki Karavitaki** (Chair ENEA WSC)

13:15-13:30

**A patient's perspective**  
(presented by the attending physician)  
*Maria Tichomirowa*

13:30-13:50

**ENEA Workshop & Study Committee**  
The ENEA studies towards the precision  
management of pituitary disease  
*Krystalenia Alexandraki*

13:50-14:10

**ESE Special Interest Group on Aggressive  
Pituitary Tumours/Carcinomas**  
*Chair: Stephan Petersenn*

A European survey towards precision management  
of aggressive and metastatic pituitary tumours  
*Gerald Raverot*

14:10-14:30

**GenHypoPit network**  
*Chair: Patrick Petrossians*

Atypical phenotypic presentation of non-acquired hypopituitarism:  
lessons from the international GenHypoPit network  
*Anne Barlier*

14:30-14:40

**Break**

14:40-15:40  
**INDUSTRY SYMPOSIUM**

15:40-16:00  
Symposium: **CHALLENGES IN MANAGING PAEDIATRIC  
PITUITARY TUMOURS**

Chair: *Albert Beckers*

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- 15:40-16:00 Paediatric acromegaly  
*Marta Korbonits*
  - 16:00-16:20 Paediatric Cushing's disease  
*Constantine Stratakis*

16:20-16:40  
Symposium: **TRANSITION IN PITUITARY DISEASE**

Chair: *Günter Stalla*

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- 16:20-16:40 Transition in patients with hypopituitarism  
*Frédérique Albarel und Rachel Reynaud*
  - 16:40-17:00 Transition in patients with pituitary tumours  
*Helena Gleeson*

17:00-17:45  
**ROLF GAILLARD PRIZE  
PLENARY LECTURE**  
Chairs: *Albert Beckers, Davide Carvalho*  
Hypothalamo-pituitary organoids as  
tools of research on the pituitary:  
the paradigm of corticotroph deficiency  
*Thierry Brue*

18:00  
**OPENING RECEPTION**

## FRIDAY December 8, 2023

**08:30-09:40**

Symposium: **PATIENT'S ADHERENCE TO TREATMENT**

*Chairs: Josanne Vassallo, Martin Bidlingmaier*

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- 08:30-08:40 Short introductory presentation:  
Patient's adherence - important, but difficult to assess  
*Ilonka Kreitschmann-Andermahr*
- 08:40-08:55 Changing the route of administration:  
from injection to oral drug delivery in acromegaly  
*Maria Fleseriu*
- 08:55-09:10 Extending the dosing interval:  
the example of long acting growth hormone treatment  
*Lars Säwendahl*
- 09:10-09:25 Moving towards at-home injection for patients with acromegaly  
and NETs  
*Nienke Biermasz*
- 09:25-09:40 Common discussion

09:40-10:10 **Break**

**10:10-10:50**

Symposium: **GROWTH HORMONE DEFICIENCY  
– DIAGNOSTIC TOOLS AND TREATMENT**

*Chair: Marianne Klose*

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- 10:10-10:30 Pitfalls in diagnostic testing for pituitary insufficiency  
- are we improving?"  
*Marina Caputo*
- 10:30-10:50 Monitoring of biomarkers for treatment control  
*Charlotte Höybye*
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10:50-11:50

Symposium: **CHALLENGES IN THE PREDICTION MANAGEMENT OF ACROMEGALY**

Chair: *Federico Gatto, Jochen Schopohl*

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- 10:50-11:05 Molecular & data mining analyses for precision medicine in acromegaly  
*Manuel Puig-Domingo*
- 11:05-11:20 Acromegaly management: does sex matter?  
*Jens O L Jørgensen*
- 11:20-11:35 Cardiometabolic consequences: prediction & management  
*Aleksandra Gilis-Januszcwska*
- 11:35-11:50 Common discussion

12:00-13:00  
**INDUSTRY SYMPOSIUM**

13:00-13:30 **POSTER PRESENTATIONS**

13:30-14:30 **ORAL COMMUNICATIONS**

Chairs: *Katharina Schilbach, Luis Gustavo Perez-Rivas*

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**Abstract 32:** Endogenous Cushing's Syndrome is Associated with Increased Cancer Risk: a Nationwide Israeli Cohort Study  
*Yaron Rudman*

**Abstract 94:** E-cadherin downregulation may contribute to increased proliferation, aggressiveness and refractoriness in pituitary neuroendocrine tumors  
*Ana Luísa Silva*

**Abstract 101:** Predictive factors for hyperglycaemia during pasireotide treatment: A post hoc analysis of the Phase IV B2219 study  
*Ulla Feldt-Rasmussen*

**FRIDAY** December 8, 2023

**Abstract 103:** Osilodrostat showed high efficacy in 210 patients with Cushing's disease in Phase III LINC 3 and LINC 4 studies: A post hoc analysis comparing patients of Asian and non-Asian origin  
*Maria Fleseriu*

**Abstract 117:** Somatotroph PitNETs positive for NR5A1 (SF-1) expression represent one of the molecular subtypes of tumors causing acromegaly.  
*Mateusz Bujko*

**Abstract 172:** Serum Soluble Alpha Klotho, a new and stable biomarker of Growth Hormone action  
*Júnia Ribeiro de Oliveira Longo Schweizer*

14:30-15:35

Symposium: **CHALLENGES IN THE PRECISION MANAGEMENT OF CUSHING'S DISEASE**

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- 14:30-14:45 When to suspect and how to screen for Cushing's disease?  
*Stylianos Tsagarakis*
- 14:45-15:00 Cyclic Cushing's: is every patient different?  
*Elisabeth Nowak*
- 15:00-15:15 Can we "precise" medical treatment in Cushing's disease?  
*Greisa Vila*
- 15:15-15:25 Short presentation: Myopathy in Cushing's disease: a persistent comorbidity  
*Frederik Vogel*
- 15:25-15:40 Common discussion

15:40-18:10  
**EYRC**

15:40-16:10 **EYRC POSTER PRESENTATIONS & Coffee**

*Chairs: FT1: Mirela Ilie, Pedro Marques*  
*FT2: Giampaolo Trivellin, Cihan Atila*  
*FT3: Sabrina Chiloiro, Mario Detomas*

16:10-17:10 **EYRC ORAL COMMUNICATIONS**

*Chairs: Antoan Sojat, Giampaolo Trivellin*

**Abstract 227:** New therapeutic targets in somatotropinomas: shp2 and fgfr4

*Facundo García Barberá*

**Abstract 257:** Unravelling the molecular mechanisms behind x-linked acrogigantisms: identification and validation of enhancers using biochemical and in vivo assays

*Alexia Grasso*

**Abstract 45:** Copeptin and Oxytocin in MDMA-induced Hyponatremia: A Pooled Analysis of Four Placebo-Controlled Cross-Over Trials

*Cihan Atila*

**Abstract 188:** Disturbed ER protein processing impacts ACTH production in functioning corticotroph adenomas

*Merisa Abusdal*

**Abstract 205:** Effects of GLP-1-Receptor Agonists on Copeptin in healthy volunteers and patients with primary polydipsia

*Svenja Leibnitz*

**Abstract 208:** Due to body image concerns social media using habits are altered in patients with acromegaly

*Selin Tekin*

17:10-18:10

**EYRC Symposium: PRECISION MEDICINE IN  
NONFUNCTIONING PITUITARY TUMORS**

*Chairs: Mirela Ilie, Pedro Marques*

17:10-17:30 Molecular and functional characterization of RNA metabolism machineries: new approach for personalized medicine

*Miguel Garcia*

17:30-17:50 Role and usefulness of gallium-PET scans

*Tessel Boertien*

17:50-18:10 Biology and therapeutical usefulness of dopamine receptor type 2

*Federica Mangili*

20:00-22:00 **NETWORKING event**

**HOTEL DEUTSCHE EICHE**

Reichenbachstraße 13, 80469 München

**SATURDAY** December 9, 2023

**MEET the  
EXPERT**

09:00-09:30

**HYPOPHYSITIS:**

A rare pituitary disorder  
in the (oncology) spotlight  
*Pedro Marques*

09:30-10:00

**When to use radiosurgery  
and when fractionated  
radiotherapy**

*Giuseppe Minniti*

10:00-11:00

**INDUSTRY SYMPOSIUM**

**11:00-11:40**

**Symposium: NEUROPATHOLOGY ON CLINICAL DECISION MAKING**

*Chair: Chiara Villa*

11:00-11:15 From the EPPG:  
Minimal requirements for the pathology report  
– what needs to be included?  
*Federico Roncaroli*

11:15-11:30 DNA methylation-based classification  
*Simone Schmid*

11:30-11:40 Common discussion

11:40-12:00 **Break**

12:00-13:10

Symposium: **STORM IN A TEA CUP OR HEAVYWEIGHT FIGHT:  
PITUITARY ADENOMA VERSUS PITNET AND DOES IT MATTER  
FOR PATIENT CARE?**

*Chairs: Niki Karavitaki, Martin Reincke*

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12:00-12:15 The neurosurgeon's perspective

*Michael Buchfelder*

12:15-12:30 The pathologist's perspective

*Chiara Villa*

12:30-12:45 The molecular biologist's perspective

*Justo Castano*

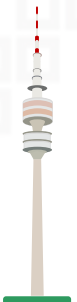
12:45-13:00 The endocrinologist's perspective

*Maria Chiara Zatelli*

13:00-13:10 Common discussion

13:10-13:30

**CLOSING CEREMONY  
and AWARDS**



# Notes

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## TRANSPARENCY DECLARATION

We would like to thank the following companies for their generous support:

in alphabetical order

|                                 |                                   |             |
|---------------------------------|-----------------------------------|-------------|
| Camurus AB                      | Exhibition                        | 10.000,00 € |
| Crinetics Pharmaceuticals, Inc. | Exhibition                        | 5.000,00 €  |
| DiaSorin                        | Exhibition                        |             |
| Hexal AG                        | Exhibition                        | 6.600,00 €  |
| HRA Pharma Rare Diseases        | Exhibition and Industry Symposium | 45.000,00 € |
| Ipsen Innovation                | Exhibition                        | 10.000,00 € |
| Novo Nordisk Pharma GmbH        | Exhibition                        | 3.000,00 €  |
| Pharmanovia                     | Exhibition                        | 6.000,00 €  |
| Pfizer                          | Exhibition and Industry Symposium | 45.000,00 € |
| Recordati Rare Diseases         | Exhibition and Industry Symposium | 45.000,00 € |

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