

# ENEAA 2022



20<sup>th</sup> Congress of the European  
NeuroEndocrine Association

**SEPTEMBER 7 > 10, 2022**  
**LYON - FRANCE**

Cité Internationale - Centre de Congrès

## PROGRAM



**ENEAA**  
European  
NeuroEndocrine  
Association

[www.eneassoc.org](http://www.eneassoc.org)

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# WELCOME

Dear colleagues and friends,

On behalf of the local organizing committee, it is a great pleasure for me to welcome you, in person, to Lyon, France, for the 20th Congress of the European NeuroEndocrine Association (ENEA).

It has been three years and many virtual visits since the COVID-19 Pandemic put a pause on in-person congresses. Our theme in celebrating our 20th anniversary is SYNERGY, because we have learned - over these two decades and particularly in the wake of this virus - that we do our best when we collaborate.

The Program Organizing Committee, chaired by Marily Theodoropoulou & Andrea Isidori, has created for you a well-balanced scientific meeting between clinical and basic science.

This Congress will provide an opportunity to meet the future of neuroendocrinology with a Thursday afternoon organized by the EYRC followed by a poster-guided tour during a networking cocktail session.

In addition to the scientific program, we invite you to participate in some of Lyon's culture. It is known as the "City of Light" with its Roman architecture (including UNESCO-listed heritage going back 2,000 years) and its bold contemporary creations. Lyon's layout, featuring two rivers and three hills, makes this an unusual city, where you can travel to the new Confluence District from the Medieval and Renaissance Vieux-Lyon (Old Lyon) District by boat.

After an exciting day at the ENEA Congress, you could start your evening walking the streets of the Old Quarter and Croix-Rousse neighborhoods or climbing to the top of Fourvière's Hill to visit the Basilica with its panoramic view of Lyon. As well, you can take a respite with people watching or enjoy a walk or run along the banks of the Rhône River or in the Parc de la Tête D'or, located across from the convention center.

This week is your week to collaborate with peers from around the world. We hope you feel inspired and invigorated by the ENEA Congress and the beautiful city of Lyon.

**Gérald Raverot**

Chair of the Local Organizing Committee



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# COMMITTEES

## PROGRAM ORGANIZING COMMITTEE

**Marily Theodoropoulou & Andrea Isidori** (Chairs)

- **Marek BOLANOWSKI** (Poland) - Clinical GHD / Bone / Acromegaly
- **Atanaska ELENKOVA** (Bulgaria) - Clinical, pituitary
- **Monica GADELHA** (Brasil) - Clinical Pituitary and Diabetes/Metabolism
- **Yona GREENMAN** (Israel) - Clinical Translational / Reproduction
- **Leo HOFLAND** (The Netherlands) - Basic/translational, Pituitary & NETs
- **Giovanna MANTOVANI** (Italy) - Basic/translational, pituitary
- **Monica MARAZUELA** (Spain) - Clinical NEN, Immuno-neuroendocrinology
- **Juan Pedro MARTINEZ-BARBERA** (UK) - Basic, neuroendocrinology & craniopharyngiomas
- **Luis PEREZ-RIVAS** (Germany) - EYRC representative, basic, pituitary
- **Gerald RAVEROT** (France) - Local Organizer, clinic/translational, pituitary
- **Giampaolo TRIVELLIN** (Italy) - EYRC representative, basic, pituitary
- **Maria TICHOMIROVA** (Luxembourg) - Clinic/translational, pituitary, genetics

## LOCAL ORGANIZING COMMITTEE

**Gerald Raverot** (Chair)

- **Anne BARLIER** (Marseille)  
(French Society of Endocrinology, SFE representative)
- **Jérôme BERTHERAT** (Paris)
- **Françoise BORSON-CHAZOT** (Lyon)
- **Thierry BRUE** (Marseille)
- **Philippe CHANSON** (Paris)
- **Emmanuel JOUANNEAU** (Lyon)
- **Hervé LEFEBVRE** (Rouen)
- **Patrice RODIEN** (Angers)
- **Nicolas DE ROUX** (Paris)  
(French Society of NeuroEndocrinologie, SNE representative)
- **Antoine TABARIN** (Bordeaux)
- **Alexandre VASILJEVIC** (Lyon)

# PROGRAM AT-A- GLANCE

## WEDNESDAY 7.9.2022

|             |  |
|-------------|--|
| 13h00       | <b>AUDITORIUM LUMIÈRE</b><br>Opening welcome ceremony  |
| 13h15-14h00 | <b>AUDITORIUM LUMIÈRE</b><br>Plenary 1 - Rolf GAILLARD Prize Lecture<br>AIP as a Co-Chaperone: A Finger in every Pie |
| 14h00-15h00 | <b>AUDITORIUM LUMIÈRE</b><br>Symposium Circadian neuroendocrinology  |
| 15h00-15h30 | Coffee Break, Posters - Forum 1  |
| 15h30-16h45 | <b>AUDITORIUM LUMIÈRE</b><br>Symposium Acromegaly  |
| 16h45-17h30 | <b>AUDITORIUM LUMIÈRE</b><br>ENEA studies  |
| 17h30-17h45 | <b>AUDITORIUM LUMIÈRE</b><br>From the ENEA endorsing groups: EPPG  |
| 17h45       | <b>AUDITORIUM LUMIÈRE</b><br>ENEA General Assembly   |
| 18h30-19h30 | Cocktail - Foyer Lumière   |

## THURSDAY 8.9.2022

|             |   |
|-------------|---|
| 07h30-08h15 | <b>AUDITORIUM LUMIÈRE</b><br>Industry-sponsored symposium   |
| 08h30-09h00 | <b>RHÔNE 2</b><br>Meet-the-Expert<br>Testing the recovery of the axis in tertiary adrenal insufficiency |
| 08h30-09h00 | <b>RHÔNE 3</b><br>Meet-the-Expert<br>Hypopituitarism and pregnancy                                      |
| 08h30-09h00 | <b>AUDITORIUM LUMIÈRE</b><br>Meet-the-Expert<br>Hormone receptor targets in neuroendocrine tumours      |

|                    |  |
|--------------------|--|
|                    | <b>AUDITORIUM LUMIÈRE</b>  |
| <b>09h00-10h00</b> | <b>The year in neuroendocrinology</b>  |
| <b>10h00-10h30</b> | Coffee Break, Posters - Forum 1  |
|                    | <b>AUDITORIUM LUMIÈRE</b>  |
| <b>10h30-11h00</b> | <b>Plenary</b><br>A time to fast, a time to feast: interaction between chronobiological and neuroendocrine systems |
|                    | <b>AUDITORIUM LUMIÈRE</b>  |
| <b>11h00-12h00</b> | <b>Symposium Neuroendocrine homeostasis</b>  |
|                    | <b>AUDITORIUM LUMIÈRE</b>  |
| <b>12h30-14h00</b> | <b>Industry-sponsored symposium</b>  |
| <b>13h30-14h00</b> | Posters - Forum 1  |
|                    | <b>AUDITORIUM LUMIÈRE</b>  |
| <b>14h00-14h30</b> | <b>Meet-the-Expert</b><br>New biochemical tools in the diagnosis and follow up of Cushing's disease                |
|                    | <b>RHÔNE 3</b>   |
| <b>14h00-14h30</b> | <b>Meet-the-Expert</b><br>Clinical management of MEN 1   |
|                    | <b>RHÔNE 2</b>   |
| <b>14h00-14h30</b> | <b>Science advance</b><br>Probing genome's architecture in cell plasticity and disease                             |
|                    | <b>AUDITORIUM LUMIÈRE</b>  |
| <b>14h30-15h45</b> | <b>Oral communications - EYRC</b>  |
| <b>15h45-16h15</b> | Coffee Break, Posters - Forum 1  |
|                    | <b>AUDITORIUM LUMIÈRE</b>  |
| <b>15h45-16h15</b> | <b>EYRC Symposium Advances in hypopituitarism</b>  |
| <b>18h00-21h00</b> | Posters guided tour & Networking cocktail - Forum 1  |

## FRIDAY 9.9.2022

|                    |  |                |
|--------------------|--|----------------|
|                    | <b>RHÔNE 2</b>   | <b>RHÔNE 3</b> |
| <b>08h00-08h45</b> | <b>Industry-sponsored symposia</b>   |                |
|                    | <b>AUDITORIUM LUMIÈRE</b>  |                |
| <b>09h00-10h00</b> | <b>Plenary</b>   |                |
| 09h00-09h30        | From the Patient to cell culture and back : personalized drug testing NETs |                |
| 09h30-10h00        | Kisspeptin: puberty and beyond   |                |
|                    | <b>RHÔNE 3</b>   |                |
| <b>10h00-10h30</b> | <b>Scientific highlight</b>  |                |
|                    | POMC neurons and energy balance: a tale with many twists and surprises     |                |

10h00-10h30

**AUDITORIUM LUMIÈRE**

**Meet-the-Expert**

How to manage recurrent nonfunctioning pituitary tumours

10h30-11h00

Coffee Break, Posters - Forum 1

11h00-12h00

**AUDITORIUM LUMIÈRE**

**Symposium New on Neurohypophysis**

12h00-12h30

**RHÔNE 2**

**Technology to watch**

Intraoperative discrimination of tumour and healthy tissue using spectroscopy

12h00-12h30

**RHÔNE 3**

**Meet-the-Expert**

Cushing's syndrome due to ectopic ACTH secretion

12h00-12h30

**AUDITORIUM LUMIÈRE**

**Meet-the-Expert**

Pituitary tumours in pregnancy

12h30-14h00

**RHÔNE 3 RHÔNE 2**

**Industry-sponsored symposia**

14h00-14h30

Posters - Forum 1

14h30-15h45

**AUDITORIUM LUMIÈRE**

**Symposium Mechanisms behind the long-term cortisol effects**

15h45-16h15

Coffee Break, Posters - Forum 1

16h15-17h15

**RHÔNE 3**

**Oral Communications 1 - BASIC**

16h15-17h15

**AUDITORIUM LUMIÈRE**

**Oral Communications 2 - CLINICAL**

17h15-18h15

**AUDITORIUM LUMIÈRE**

**Symposium Beyond the hotspot**

**SATURDAY 10.9.2022**

09h00-10h00

**AUDITORIUM LUMIÈRE**

**Plenary**

09h00-09h30

Nelson's syndrome

09h30-10h00

Recent Consensus in Cushing's syndrome: the clinical agenda

10h00-10h30

Coffee Break, Posters - foyer Lumière

10h30-12h15

**AUDITORIUM LUMIÈRE**

**Symposium Aggressive & difficult**

10h30-11h30

Craniopharyngioma

11h30-12h30

Aggressive pituitary tumors and carcinomas

12h30-13h00

**AUDITORIUM LUMIÈRE**

**Closing ceremony & prizes**

# SCIENTIFIC PROGRAM

WEDNESDAY 7.9.2022



|               |  |
|---------------|--|
| 10h00-12h30   | <b>Club Français de l'Hypophyse<br/>French pituitary Club (Auditorium Lumière)</b>   |
| 10h00 - 10h20 | <b>Caractérisation anatomopathologique des adénomes gonadotropes<br/>Pathological characterisation of gonadotroph adenomas</b><br>Alexandre Vasiljevic   |
| 10h25 - 10h45 | <b>Caractérisation moléculaire des adénomes gonadotropes<br/>Molecular characterisation of gonadotroph adenomas</b><br>Guillaume Assie   |
| 10h50 - 11h10 | <b>Histoire naturelle des adénomes gonadotropes<br/>Natural history of gonadotroph adenomas</b><br>Dominique Maiter  |
| 11h15 - 11h35 | <b>Faut-il irradier les adénomes gonadotropes<br/>Should gonadotroph adenomas be irradiated?</b><br>Philippe Chanson   |
| 11h40 - 12h00 | <b>Adénomes gonadotropes cliniquement fonctionnels<br/>Clinically functioning gonadotroph adenomas</b><br>Niki Karavitaki  |
| 12h05 - 12h25 | <b>Faut-il traiter médialement les adénomes gonadotropes ?<br/>Should gonadotroph adenomas be treated medically?</b><br>Frederic Castinetti  |
| 12h30         | <b>Conclusion</b>  |
| 13H00         | <b>Opening ceremony welcome (Auditorium Lumière)</b>   |
| 13H15-14h00   | <b>Plenary 1 - Rolf GAILLARD Prize Lecture (Auditorium Lumière)</b><br><i>Chairs: Ilan Shimon (Israel) - Albert Beckers (Belgium)</i><br><br><b>AIP as a Co-Chaperone: A Finger in every Pie</b><br>Marta Korbonits (UK) |
| 14h00-15h00   | <b>Symposium Circadian neuroendocrinology (Auditorium Lumière)</b><br><i>Chairs: Giovanna Mantovani (Italy) - Nicolas de Roux (France)</i>   |



14h00-14h20

**Sleep & energy balance**

Peter Liu (USA)

14h20-14h40

**Circadian clock and insulin resistance**

Andries Karlsbeek (The Netherlands)

14h40-15h00

**Pacing the glucocorticoids**

Chiara Simeoli (Italy)

15h00-15h30

**Coffee Break, Posters (Forum 1)**

**15h30-16h45**

**Symposium Acromegaly (Auditorium Lumière)**

*Chairs: Monica Gadelha (Brazil) - Philippe Chanson (France)*

15h30-15h50

**Precision medicine in the treatment of acromegaly**

Jens Bollerslev (Norway)

15h50-16h10

**Paradoxical GH increase during OGTT & its implications in managing acromegaly**

Dominique Maiter (Belgium)

16h10-16h30

**Acromegaly in the elderly patients**

Sabrina Chiloiro (Italy)

16h30-16h45

**Short presentation: FTO polymorphisms & cardiovascular comorbidities**

Aleksandra Jawiarczyk-Przybyłowska (Poland)

**16h45-17h30**

**ENEA studies - Introduction - Report on studies (Auditorium Lumière)**

*Chairs: Niki Karavitaki (UK) - Thierry Brue (France)*

16h45-17h00

**Idiopathic central diabetes insipidus in a large cohort of patients; The hypopituitarism ENEA rare observational (HEROS) study**

Hiba Masri Iraqi (Israel)

17h00-17h15

**Mappy Study - Monitoring of Asymptomatic AIP mutated Pituitary Y patients**

Pauline Romanet & Anne Barlier (France)

17h15-17h30

**MISSION Study - The worldwide most powerful epidemiological study on the complication and the mortality associated with Cushing's syndrome**

**AMORE Study - Aggressive pituitary tumors: a Multicenter Observational, Retrospective study of ENEA**

**Epidemiology, clinical profile, and outcomes of patients with prolactinomas taking a high dose cabergoline ( $\geq 3\text{mg/week}$ ): RESISTANT PROLACTINOMA STUDY**

Krystallenia Alexandraki (Greece)

**17h30-17h45**

**From the ENEA endorsing groups: EPPG (Auditorium Lumière)**

*Chairs: Niki Karavitaki (UK) - Thierry Brue (France)*

17h30-17h45

**European Pituitary Pathology Group: who we are and what is our mission**

Chiara Villa (France)

17h45

**ENEA General Assembly (Auditorium Lumière)**

18h30-19h30

**Welcome Cocktail (Foyer Lumière)**

## THURSDAY 8.9.2022

07h30-08h15

**Industry-sponsored symposium (Auditorium Lumière)**

08h30-09h00

**Meet-the-Expert (Rhône 2 meeting room)**

08h30-09h00

**Testing the recovery of the axis in tertiary adrenal insufficiency**  
Riccardo Pofi (Italy)

08h30-09h00

**Meet-the-Expert (Rhône 3 meeting room)**

08h30-09h00

**Hypopituitarism and pregnancy**  
Małgorzata Karbownik-Lewińska (Poland)

08h30-09h00

**Meet-the-Expert (Auditorium Lumière)**

08h30-09h00

**Hormone receptor targets in neuroendocrine tumours**  
Emanuel Christ (Switzerland)

09h00-10h00

**The year in neuroendocrinology (Auditorium Lumière)**  
*Chairs: Maria Tichomirowa (Luxembourg) - Marek Bolanowski (Poland)*

09h00-09h30

**The year in neuroendocrinology - basic**  
Constantine Stratakis (Greece)

09h30-10h00

**The year in neuroendocrinology - clinical**  
Vera Popovic (Serbia)

10h00-10h30

**Coffee Break, Posters (Forum 1)**

10h30-11h00

**Plenary (Auditorium Lumière)**  
*Chair: Marily Theodoropoulou (Germany)*

10h30-11h00

**A time to fast, a time to feast: interaction between chronobiological and neuroendocrine systems**  
Henrik Oster (Germany)

11h00-12h00

**Symposium Neuroendocrine homeostasis (Auditorium Lumière)**  
*Chairs: Raul Luque (Spain) - Gérald Raverot (France)*

11h00-11h20

**Synaptic communication & reproductive circuit**  
Patrice Mollard (France)

11h20-11h40

**Stem cell-derived paracrine signals in pituitary homeostasis**  
Cynthia Andoniadou (UK)

11h40-12h00

**Clinical Imaging of the pituitary stalk**  
Mohamad Maghnie (Italy)

|                    |   |
|--------------------|---|
| <b>12h00-14h00</b> | <b>Industry-sponsored symposium (Auditorium Lumière)</b>  |
| <b>13h30-14h00</b> | <b>Posters (Forum 1)</b>  |
| <b>14h00-14h30</b> | <b>Meet-the-Expert (Auditorium Lumière)</b>   |
| 14h00-14h30        | <b>New biochemical tools in the diagnosis and follow up of Cushing's disease</b><br>Martin Bidlingmaier   |
| <b>14h00-14h30</b> | <b>Meet-the-Expert (Rhône 3 meeting room)</b>   |
| 14h00-14h30        | <b>Clinical management of MEN 1</b><br>Maria Luisa Brandi   |
| <b>14h00-14h30</b> | <b>Science advance (Rhône 2 meeting room)</b>   |
| 14h00-14h30        | <b>Probing genome's architecture in cell plasticity and disease</b><br>Martin Franke (Spain)  |
| <b>14h30-15h45</b> | <b>Oral communications - EYRC (Auditorium Lumière)</b><br><i>Chairs: Pedro Marques (Portugal)</i><br><i>and Juan Manuel Jiménez Vacas (Great Britain)</i>   |
| 14h30-14h35        | <b>Presentation of the EYRC activities</b><br>Pedro Marques (Portugal)  |
| 14h35-14h45        | <b>Molecular mechanisms of cavernous sinus invasion by pituitary adenomas: in vitro studies and in vivo investigations in a rat model of invasive pituitary tumorigenesis obtained by stereotactic pituitary GC cells injectio -</b><br>Fanny Chasseloup (France) |
| 14h45-14h55        | <b>Effect of a novel somatostatin receptor 5/3 agonist, HTL0030310, on human GH- and ACTH-secreting pituitary adenomas in vitro -</b><br>Daniela Regazzo (Italy)  |
| 14h55-15h05        | <b>Xq26.3 duplications in X-linked acrogigantism (X-LAG) disrupt a topologically associating domain (TAD) and rewire GPR101-enhancer interactions -</b> Martin Franke (Spain)   |
| 15h05-15h15        | <b>Morphological and molecular evidence of macroautophagy in pituitary tumors -</b> Laura Cecenarro (Argentina)   |
| 15h15-15h25        | <b>New provocation test using MDMA ('Ecstasy') demonstrates Oxytocin deficiency in patients with central diabetes insipidus -</b><br>Cihan Atila (Switzerland)  |
| 15h25-15h35        | <b>Association between use of systemic and inhaled glucocorticoids and changes in brain volume and white matter microstructure: a cross-sectional UK Biobank study -</b> Merel Van Der Meulen (Netherlands)   |
| 15h35-15h45        | <b>CRN04894: an oral, nonpeptide ACTH (MC2) receptor antagonist decreased basal and stimulated cortisol secretion in healthy volunteers -</b><br>Peter Trainer, (United States of America)  |
| <b>15h45-16h15</b> | <b>Coffee Break, Posters (Forum 1)</b>  |

16h15-16h55

**Symposium Understanding neuroendocrinology through single cell technologies (Auditorium Lumière)**

*Chairs: Juan Pedro Martinez-Barbera (UK)*

16h15-16h35

**The molecular design of hypothalamus development**

Marco Benevento (Austria)

16h35-16h55

**Pull your SOXs up! - From stem cells to pituitary tumors**

Karine Rizzoti (UK)

16h55-17h55

**EYRC Symposium Advances in hypopituitarism (Auditorium Lumière)**

*Chairs: Giampaolo Trivellin (Italy) and Luis G. Pérez-Rivas (Germany)*

16h55-17h15

**The Molecular Basis of Congenital Hypopituitarism**

Louise C Gregory (UK)

17h15-17h35

**Dysregulated peptide amidation as a new cause of hypopituitarism**

Elisa Araldi (Switzerland)

17h15-17h35

**Human iPS cells as model for congenital hypopituitarism**

Thi Thom Mac (France)

18h00-21h00

**Posters guided tour & Networking cocktail (Forum 1)**

**FRIDAY 9.9.2022**

08h00-08h45

**Industry-sponsored symposia (Rhône 2 et 3 meeting rooms)**

09h00-10h00

**Plenary (Auditorium Lumière)**

*Chairs: Maria Chiara Zatelli (Italy) - Andrea Isidori (Italy)*

09h00-09h30

**From the Patient to cell culture and back : personalized drug testing NETs**

Natalia Pellegata (Germany)

09h30-10h00

**Kisspeptin: puberty and beyond**

Manuel Tena-Sempere (Spain)

10h00-10h30

**Scientific highlight (Rhône 3 meeting room)**

*Chair: Antoine Tabarin (France)*

10h00-10h30

**POMC neurons and energy balance: a tale with many twists and surprises**

Daniela Cota (France)

10h00-10h30

**Meet-the-Expert (Auditorium Lumière)**

10h00-10h30

**How to manage recurrent nonfunctioning pituitary tumours**

Marco Losa (Italy) & Sven Schläffer (Germany)

10h30-11h00

**Coffee Break, Posters (Forum 1)**

**11h00-12h00**

**Symposium New on Neurohypophysis (Auditorium Lumière)**

*Chairs: Monica Marazuela (Spain) - Marija Pfeifer (Slovenia)*

11h00-11h20

**Oxytocin and social behavior**

Bice Chini (Italy)

11h20-11h40

**New diagnostic tests in diabetes insipidus**

Mirjam Christ Crain (Switzerland)

11h40-12h00

**Management of hyponatremia in different clinical scenarios**

Chris J. Thompson (Ireland)

**12h00-12h30**

**Technology to watch (Rhône 2 meeting room)**

12h00-12h30

**Intraoperative discrimination of tumour and healthy tissue using spectroscopy**

Frank Hertel (Germany)

**12h00-12h30**

**Meet-the-Expert (Rhône 3 meeting room)**

12h00-12h30

**Cushing's syndrome due to ectopic ACTH secretion**

Antoine Tabarin (France)

**12h00-12h30**

**Meet-the-Expert (Auditorium Lumière)**

12h00-12h30

**Pituitary tumours in pregnancy**

Anton Luger (Austria)

**12h30-14h00**

**Industry-sponsored symposia (Rhône 2 et 3 meeting rooms)**

**14h00-14h30**

**Posters (Forum 1)**

**14h30-15h45**

**Symposium Mechanisms behind the long term cortisol effects (Auditorium Lumière)**

*Chairs: Leo Hofland (The Netherlands) - Hervé Lefebvre (France)*

14h30-14h50

**Cell- and tissue specificity of glucocorticoids actions**

Onno Meijer (The Netherlands)

14h50-15h10

**Long-term consequences of hypercortisolism**

Rosario Pivonello (Italy)

15h10-15h30

**Epigenetic modulation by glucocorticoids**

Henriette Uhlenhaut (Germany)

15h30-15h45

**Short presentation: Bone consequences of chronic hypercortisolism**

Anna Brona (Poland)

**15h45-16h15**

**Coffee Break, Posters (Forum 1)**

**16h15-17h15**

**Oral Communications 1 (Rhône 2)**

Meeting Room 1

*Chairs : Yona Greenman (Israel) - Anne Barlier (France)*

16h15-16h25

**Transcriptomic Signature of Pituitary NeuroEndocrine Tumors (PitNETs) aggressiveness**

Nesrine Benanteur (France)

16h25-16h35

**Single nucleus multiomics identifies inter- and intra-donor heterogeneity in pituitary neuroendocrine tumors/pituitary adenomas**

Frederique Ruf Zamojski (United States)

16h35-16h45

**High-risk pituitary adenomas: lessons learned and summary on the eve of the new classification - a clinicopathologic case series from the referral pituitary center**

Jacek Kunicki (Poland)

16h45-16h55

**Neoadjuvant or Adjuvant treatment of mutant BRAF-V600E papillary Craniopharyngioma (Swecranio1-21)**

Eva Marie Erfurth (Sweden)

16h55-17h05

**Serum soluble alpha klotho in patients with growth hormone deficiency**

Júnia R.O.L. Schweizer (Germany)

17h05-17h15

**Immunoglobulin G is an oxytocin-binding protein in plasma - role in oxytocin receptor activation and relevance to aggressive behavior**

Henning Vaeroy (Norway)

**16h15-17h15**

Meeting Room 2

**Oral Communications 2 (Auditorium Lumière)**

*Chairs: Nienke Biermasz (The Netherlands) - Atanaska Elenkova (Bulgaria)*

16h15-16h25

**Increased cancer risk in acromegaly patients - the never ending controversy**

Hadar Duskin-Bitan (Israel)

16h25-16h35

**Real-time detection of acromegaly from facial images with artificial intelligence**

Muhammed Kizilgul (Turkey)

16h35-16h45

**The MPOWERED Phase 3 Trial : Oral Octreotide Outcomes based on IGF-I Response Criteria**

Maria Fleseriu (United States of America)

16h45-16h55

**Improvements in hypertension and diabetes mellitus with osilodrostat in Cushing's disease patients: Exploratory analyses from the Phase III LINC 3 study**

Rosario Pivonello (Italy)

16h55-17h05

**Molecular dissection of the GIP/GIPR axis in a stable cell model of GH-secreting pituitary adenomas**

Gianluca Occhi (Italy)

17h05-17h15

**Implementation of functional imaging using 11C-methionine PET-CT co-registered with MRI for advanced surgical planning and decision making in prolactinoma surgery**

Leontine Bakker (Netherlands)

**17h15-18h15**

**Symposium Beyond the hotspot (Auditorium Lumière)**

*Chairs: TBD - Alexandre Vasiljevic (France)*

17h15-17h35

**Imprinting in hypothalamus-pituitary pathology**

Marika Charalambous (UK)

17h35-17h55

**Non-coding RNAs: mere messengers or causative factors?**

Herniett Butz (Hungary)

17h55-18h15

**Pituitary tumor microenvironment**

Philippe Bertolino (France)

## SATURDAY 10.9.2022

**09h00-10h00**

**Plenary (AAuditorium Lumière)**

*Chairs: Jérôme Bertherat (France) - Patrick Petrossians (Belgium)*

09h00-09h30

**Nelson's syndrome**

Martin Reincke (Germany)

09h30-10h00

**Recent Consensus in Cushing's syndrome: the clinical agenda**

Elena Valassi (Spain)

**10h00-10h30**

**Coffee Break, Posters (Forum 1)**

**10h30-12h15**

**Symposium Aggressive & difficult (Auditorium Lumière)**

*Chairs: Emmanuel Jouanneau (France) - Krystallenia Alexandraki (Greece)*

10h30-10h45

**Emerging pharmacological therapies for craniopharyngiomas**

Gregory Kaltsas (Greece)

10h45-11h00

**Craniopharyngioma: relapse**

John Apps (UK)

11h00-11h15

**Surgical indications and limitations for recurrent pituitary tumors & craniopharyngiomas**

Jörg Flitsch (Germany)

11h15-11h30

**Questions**

11h30-11h45

**Update on temozolomide: results of a European Society of Endocrinology (ESE) survey**

Pia Burman (Sweden)

11h45-12h00

**What is the role of pathology?**

Jacqueline Trouillas (France)

12h00-12h15

**Immunotherapy for aggressive pituitary tumours & carcinomas**

Mirela Ilie (France)

**12h15-12h30**

**Questions (Auditorium Lumière)**

**12h30-13h00**

**Closing ceremony & prizes (Auditorium Lumière)**

# GENERAL INFORMA- TION

## ETHICAL MEDTECH

MedTech Europe - Code of Ethical Business Practice: The meeting is Ethical MedTech compliant!



## CME

**The 20th Congress of the European NeuroEndocrine Association**, Lyon, France, 07/09/2022- 10/09/2022 has been accredited by the European Accreditation Council for Continuing Medical Education (**EACCME®**) with 15 European **CME** credits [ECMEC®s]. Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity."



"Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME® credit to AMA credit can be found at [www.ama-assn.org/education/earn-credit-participation-international-activities](http://www.ama-assn.org/education/earn-credit-participation-international-activities).

"Live educational activities, occurring outside of Canada, recognised by the UEMS-EACCME® for ECMEC®s are deemed to be Accredited Group Learning Activities [Section 1] as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada."

## CERTIFICATE OF ATTENDANCE

Each participant can only receive the number of credits he/she is entitled to according to his/her actual participation at the event once he/she has completed the feedback form.

This EACCME® participant's evaluation form will be sent by email last day of the congress.

A certificate will then be emailed stating that the participant has been awarded up to 15 European CME Credits for his/her attendance at the ENEA congress once the congress secretary has received the evaluation form completed

Below the breakdown of ECMEC®s per day:

|            |        |
|------------|--------|
| 07.09.2022 | - 2.00 |
| 08.09.2022 | - 6.00 |
| 09.09.2022 | - 5.00 |
| 10.09.2022 | - 2.00 |



## CONGRESS SECRETARIAT

### AOS

Village d'Entreprises Saint-Henri  
Rue Anne Gacon - Bât 24  
13016 Marseille - France  
Tel : +33 (0)4 96 15 12 50  
Fax : +33 (0)4 96 15 12 51

E-mail : [enea2022@aoscongres.com](mailto:enea2022@aoscongres.com)

Secretariat opening hours:

Wednesday, September 7th: 9h00-18h00

Thursday, September 8th: 7h00-18h00

Friday, September 9th: 7h30-18h30

Saturday, September 10th: 8h00-13h00

## BADGES

To be retrieved at the congress secretariat (Foyer Lumière)

Please note that they should be worn at all times in order to access the meeting rooms and the exhibit hall as well as the coffee breaks and the posters walk.

## ON-SITE REGISTRATION

Here are the on-site registration fees [in Euros, no VAT]

### ON SITE From September 6, 2022

|                            |              |
|----------------------------|--------------|
| <b>ENEA Members</b>        | <b>€ 600</b> |
| <b>ENEA Non Members</b>    | <b>€ 700</b> |
| <b>Trainees / Students</b> | <b>€ 300</b> |
| <b>Fellows / Residents</b> |              |
| <b>Conference Dinner</b>   | <b>€ 85</b>  |

## CLOAKROOM

A cloakroom is available next to the congress secretariat at the Foyer Lumière

Wednesday, September 7th: 9h00-18h00

Thursday, September 8th: 7h00-18h00

Friday, September 9th: 7h30-18h30

Saturday, September 10th: 8h00-13h00

## LOST AND FOUND SERVICE

Any lost objects must be returned to the Congress secretariat desk (Foyer Lumière)

## CONGRESS WEBSITE

<https://enea2022.aoscongres.com/programme/en>



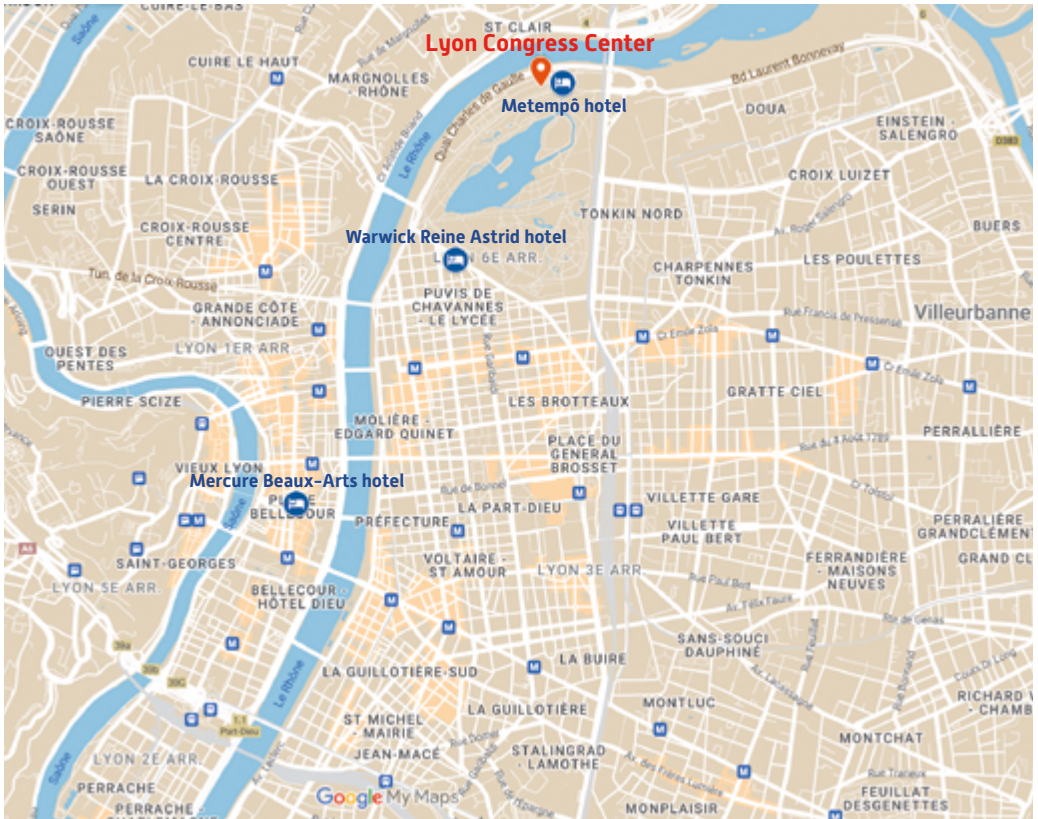
## CONGRESS VENUE

**Cité Internationale – Lyon Congress Center**  
50 Quai Charles de Gaulle, 69006 Lyon, France

Means of transportation in Lyon and stops close to the Convention Center:

- **C1** from *Lyon Part Dieu* station -> *Cité internationale* | *Centre de Congrès* stop
- **C2** from *Lyon Part Dieu* station -> *Cité internationale* | *Transbordeur* stop
- **C4** from *Jean Macé* subway stop -> *Cité internationale* | *Centre de Congrès* stop
- **C5** from *Cordeliers* -> *Cité internationale* | *Centre de Congrès* stop
- **C26** from *Grange Blanche* subway stop -> *Cité internationale* | *Transbordeur* stop
- **Bus 70** from *Lyon Part Dieu* station -> *Cité internationale* | *Transbordeur* stop

<https://www.ccc-lyon.com/>



## ENEA MEMBERSHIP

For those willing to become an ENEA member and benefit from reduced registrations, access to the biannual ENEA workshop, participate to the ENEA studies and much much more: [https://eneassoc.org/?page\\_id=5195](https://eneassoc.org/?page_id=5195)

# PARALLEL SYMPOSIA

## Thursday, September 8th

### PFIZER (Auditorium Lumière)

07h30–8h15



#### Optimal management of patients with acromegaly: practical considerations

**7:45–7:50** Opening remarks - Prof. Dr. Philippe Chanson, Université Paris-Saclay, Hôpital Bicêtre (Paris, France)

**7:50–8:05** Optimizing biochemical control of acromegalic patients: from clinical studies to real life - Prof. Dr. Ilonka Kreitschmann-Andermahr, Klinik für Neurochirurgie und Wirbelsäulenchirurgie Universitätsklinikum (Essen, Germany)

**8:05–8:20** Challenges of diabetes in acromegaly: a clinical case - Dr. Stefano Frara, Università Vita Salute San Raffaele (Milan, Italy)

**8:20–8:30** Q&A and closing remarks - All speakers

### RECORDATI (Auditorium Lumière)

12h00–14h00



**12:30–12:35** Welcome and introduction

Mônica Gadelha, MG: Universidade Federal do Rio de Janeiro (Rio de Janeiro, Brazil)

#### Cushing's syndrome clinic

**12:35–12:40** Framing the use of medical therapy in Cushing's syndrome - Rosario Pivonello, RP: Università Federico II di Napoli (Naples, Italy)

**12:40–12:45** Canvassing the treatment landscape for Cushing's syndrome - Antoine Tabarin, AT: University Hospital of Bordeaux (Bordeaux, France)

**12:45–13:10** Clinical snapshots: Considerations for practical management of patients with Cushing's syndrome - Rosario Pivonello and Antoine Tabarin

*Format: Guided case discussion*

#### Acromegaly clinic

**13:10–13:15** Framing the use of medical therapy in uncontrolled acromegaly (Diego Ferone, Endocrinology Unit, IRCCS Policlinico San Martino, University of Genova (Italy)

**13:15–13:20** Canvassing the treatment landscape for acromegaly - Mônica Gadelha

**13:20–13:45** Clinical snapshots: Considerations for practical management of patients with acromegaly - Mônica Gadelha and Diego Ferone

**13:45–14:00** Q&A and close - All faculty, moderated by Mônica Gadelha

# FRIDAY, September 9th

## CONSILIENT HEALTH (Rhône 2 meeting room)

08h00-08h45



### Diagnosis of Growth Hormone (GH) disorders: What's new in 2022?

Chair : Prof Thierry Brue (France)

IGF in the diagnosis of GH disorders. Dr Martin Bidlingmaier (Munich, Germany)

Benefits and limitations of dynamic stimulation tests - Prof Philippe Chanson (France)

## IPSEN (Rhône 3 meeting room)

08h00-08h45



**2 mins** Welcome and Introduction - Marta Korbonits, Queen Mary, University of London (UK)  
[Chairperson]

**8 mins** Treating patients outside of the hospital: Independent injection vs healthcare-settings -  
Marta Korbonits

**10 mins** Exploring the use of extended duration intervals (EDI) in acromegaly - Maria Fleseriu,  
Oregon Health and Science University (Portland, USA)

**10 mins** Evolving care to meet patient and nurse needs - Sofia Llahana, University of London (UK)

**5 mins** Key takeaways - Marta Korbonits

**10 mins** Q&A, Facilitated by Marta Korbonits

## HRA PHARMA (Rhône 3 meeting room)

12h30-14h00



### Managing Cushing's syndrome through experience: Real-world insights

Chair: Antoine Tabarin

Treating mild hypercortisolism in patients with bilateral macronodular adrenal hyperplasia -  
Valentina Morelli

Controlling Cushing's disease in the long-term with medical treatment - Olivier Chabre

New insights into Cushing's syndrome: The patient's perspective - Elena Valassi

Q&A session - All speakers

## AMRYT PHARMA (Rhône 2 meeting room)

12h30 - 14h00



### More than Just a Numbers Game:

#### Comprehensive Treatment to Address the Burden of Acromegaly

**12:30** Introduction - Gérald Raverot (France)

**12:35** An overview of the current treatment paradigm for acromegaly - Marek Bolanowski (Poland)

**13:00** Challenges in the current treatment of acromegaly - Nienke Biermasz (The Netherlands)

**13:25** Improvement beyond biochemical control - Maria Fleseriu (USA)

**13:50** Q&A session

It is our pleasure to invite you to our Pfizer-sponsored symposium at the **20<sup>th</sup> Congress of the European NeuroEndocrine Association.**

Date: **September 8<sup>th</sup>** | Time: **7:45 - 8:30 CET**

Location: **Cité Internationale - Lyon Congress Center, in the Amphitheater**

# Optimal management of patients with acromegaly: practical considerations

## Chairman:

**Prof. Dr. Philippe Chanson,**

Université Paris-Saclay, Hôpital Bicêtre, Paris, France

## Speakers:

**Prof. Dr. Ilonka Kreitschmann-Andermahr,**

Klinik für Neurochirurgie und Wirbelsäulen Chirurgie  
Universitätsklinikum, Essen, Germany

**Dr. Stefano Frara,**

Università Vita Salute San Raffaele, Milan, Italy

Please find below the complete agenda of the event.

**7:45-7:50:** Opening remarks - **Prof. Dr. Philippe Chanson**

**7:50-8:05:** Optimizing biochemical control of acromegalic patients:

from clinical studies to real life - **Prof. Dr. Ilonka Kreitschmann-Andermahr**

**8:05-8:20:** Challenges of diabetes in acromegaly: a clinical case - **Dr. Stefano Frara**

**8:20-8:30:** Q&A and closing remarks - **All Speakers**

# CLINICAL PORTRAITS OF ACROMEGALY AND CUSHING'S SYNDROME!

## PAINTING THE MEDICAL TREATMENT LANDSCAPE TO OPTIMISE PATIENT OUTCOMES

### Meeting objectives:

- Educate on the latest developments in the medical management of patients with acromegaly and Cushing's syndrome, focusing on SRLs, GH receptor antagonists and steroidogenesis inhibitors
- Enable delegates to apply clinical knowledge to individualise medical therapy to improve outcomes of patients with acromegaly and Cushing's syndrome
- Share expert recommendations for the medical management of patients with acromegaly and Cushing's syndrome through guided case discussions for delegates to apply to their clinical practice

### Agenda

|                                  |   |  |
|----------------------------------|---|--|
| 12:30–12:35                      | Welcome and introduction  | Mônica Gadelha                           |
| <b>Cushing's syndrome clinic</b> |   |  |
| 12:35–12:40                      | Framing the use of medical therapy in Cushing's syndrome  | Rosario Pivonello                        |
| 12:40–12:45                      | Canvassing the treatment landscape for Cushing's syndrome                                       | Antoine Tabarin                          |
| 12:45–13:10                      | Clinical snapshots: Considerations for practical management of patients with Cushing's syndrome | Rosario Pivonello and Antoine Tabarin    |
| <b>Acromegaly clinic</b>         |   |  |
| 13:10–13:15                      | Framing the use of medical therapy in uncontrolled acromegaly                                   | Diego Ferone                             |
| 13:15–13:20                      | Canvassing the treatment landscape for acromegaly   | Mônica Gadelha                           |
| 13:20–13:45                      | Clinical snapshots: Considerations for practical management of patients with acromegaly         | Mônica Gadelha and Diego Ferone          |
| 13:45–14:00                      | Q&A and close   | All faculty, moderated by Mônica Gadelha |

Lunch will be provided during the satellite symposium

**MAIN AUDITORIUM**  
LYON CONGRESS CENTRE

**THURSDAY 8 SEPTEMBER 2022**  
12:30–14:00 CEST

**Mônica Gadelha**  
Chair  
(Brazil)



**Antoine Tabarin**  
Faculty  
(France)



**Rosario Pivonello**  
Faculty  
(Italy)



**Diego Ferone**  
Faculty  
(Italy)



Recordati Rare Diseases sponsored satellite symposium at the 20th Congress of the European NeuroEndocrine Association

# PLEASE JOIN US AT THE CONSILIENT HEALTH SYMPOSIUM

FRIDAY 9<sup>TH</sup> SEPTEMBER 2022  
8:00-8:45

Location: Rhône 2

## Diagnosis of Growth Hormone (GH) disorders: what's new in 2022?

*Chair: Professor Thierry Brue (Marseille, France)*

- **IGF-I in the diagnosis of GH disorders**  
*Doctor Martin Bidlingmaier (Munich, Germany)*
- **Benefits and limitations of dynamic stimulation tests**  
*Professor Philippe Chanson (Bicêtre, France)*

# TAILORED APPROACH TO COMPLEX PATIENT CARE:

## UPDATES ON SOMATOSTATIN RECEPTOR LIGANDS (SRLs)

Friday 9<sup>th</sup> September 2022

8:00–8:45 CEST

Rhône 3 meeting room

### WELCOME AND INTRODUCTION

Márta Korbonits (Chairperson), Queen Mary, University of London, UK

### COMPLEX CASES AND HOME INJECTION IN ACROMEGALY

Márta Korbonits (Chairperson), Queen Mary, University of London, UK

### EXPLORING TREATMENT REGIMENS IN ACROMEGALY

Maria Fleseriu, Oregon Health and Science University, Portland, USA

### EVOLVING CARE TO MEET PATIENT NEEDS

Sofia Llahana, City University of London, UK

### KEY TAKEAWAYS

Márta Korbonits (Chairperson), Queen Mary, University of London, UK

### Q&A

All

*Refreshments will be provided*

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This is an industry sponsored symposium for registered healthcare professionals only.  
This Ipsen symposium is not aimed at UK healthcare professionals.





# MANAGING CUSHING'S SYNDROME THROUGH EXPERIENCE:

Real-world insights

**Chair: Antoine Tabarin**

Friday 9 September, 12:30–14:00 CEST

Rhône 3A & 3B, Level 1

Centre de congrès - Cité internationale, Lyon, France  
20th Congress of the European NeuroEndocrine Association, ENEA



## Agenda

|  |                               |
|--|-------------------------------|
| Welcome & introductions  | Antoine Tabarin               |
| Treating mild hypercortisolism in patients with bilateral macronodular adrenal hyperplasia | Valentina Morelli             |
| Controlling Cushing's disease in the long-term with medical treatment                      | Olivier Chabre                |
| New insights into Cushing's syndrome: The patient's perspective                            | Elena Valassi                 |
| Summary & meeting close  | All faculty                   |
| Questions may be asked at the end of each session  | Led by Chair, Antoine Tabarin |



**A message from our Chair, Antoine Tabarin**, University Hospital of Bordeaux, France.

"We welcome you to an interactive discussion on real-world insights into managing Cushing's syndrome. Witness experience that speaks for itself, from our expert panel, who will share patient survey data and published case reports on strategies for managing Cushing's syndrome."



**Valentina Morelli**

Italian Auxological Institute, Italy



**Olivier Chabre**

University Hospital of  
Grenoble Alpes, France



**Elena Valassi**

Hospital Germans Trias i Pujol  
& Universitat Internacional  
de Catalunya, Barcelona, Spain

Join us live at the ENEA 2022 congress in Rhône 3A & 3B, Level 1

Yours sincerely,

The HRA Pharma Rare Diseases team



**More than just a  
numbers game:  
comprehensive treatment to  
address the burden of acromegaly**

An Amryt Pharma-sponsored satellite symposium at the  
**20<sup>th</sup> Congress of the European NeuroEndocrine Association**  
Lyon, France

**12:30–14:00 CEST, Friday 9 September 2022**  
**Room Rhône 2**

You are cordially invited to attend this Amryt-sponsored satellite symposium during the 20<sup>th</sup> Congress of the European NeuroEndocrine Association in Lyon, France.

The diagnosis and treatment of acromegaly can often be seen as an exercise in following the numbers in terms of IGF-1 and growth hormone levels. However, acromegaly is a multi-organ disease with a wide range of systemic manifestations and comorbidities. This symposium will discuss the strategies used to optimise patient outcomes and improve acromegaly symptoms and quality of life beyond biochemical response. Our international panel of experts will share key insights on the treatment of acromegaly using illustrative case studies from their clinics and will address questions from the audience during the interactive Q&A session.

We hope you can join us for what will be a highly informative symposium.

*This meeting is intended for  
healthcare professionals only.*

**Lunch provided.**

**Please visit the Amryt Pharma  
stand in the exhibition hall.**





# More than just a numbers game:

## comprehensive treatment to address the burden of acromegaly

An Amryt Pharma-sponsored satellite symposium

**20<sup>th</sup> Congress of the European NeuroEndocrine Association**  
Lyon, France

12:30–14:00 CEST, Friday 9 September 2022

### Programme

- 12:30 **Introduction**  
Gérald Raverot (*France*)
- 12:35 **An overview of the current treatment paradigm for acromegaly**  
Marek Bolanowski (*Poland*)
- 13:00 **Challenges in the current treatment of acromegaly**  
Nienke Biermasz (*The Netherlands*)
- 13:25 **Improvement beyond biochemical control**  
Maria Fleseriu (*USA*)
- 13:50 **Q&A session**

*This meeting is intended for healthcare professionals only.*

**Lunch provided.**

**Please visit the Amryt Pharma stand  
in the exhibition hall.**

[www.amrytpharma.com](http://www.amrytpharma.com)

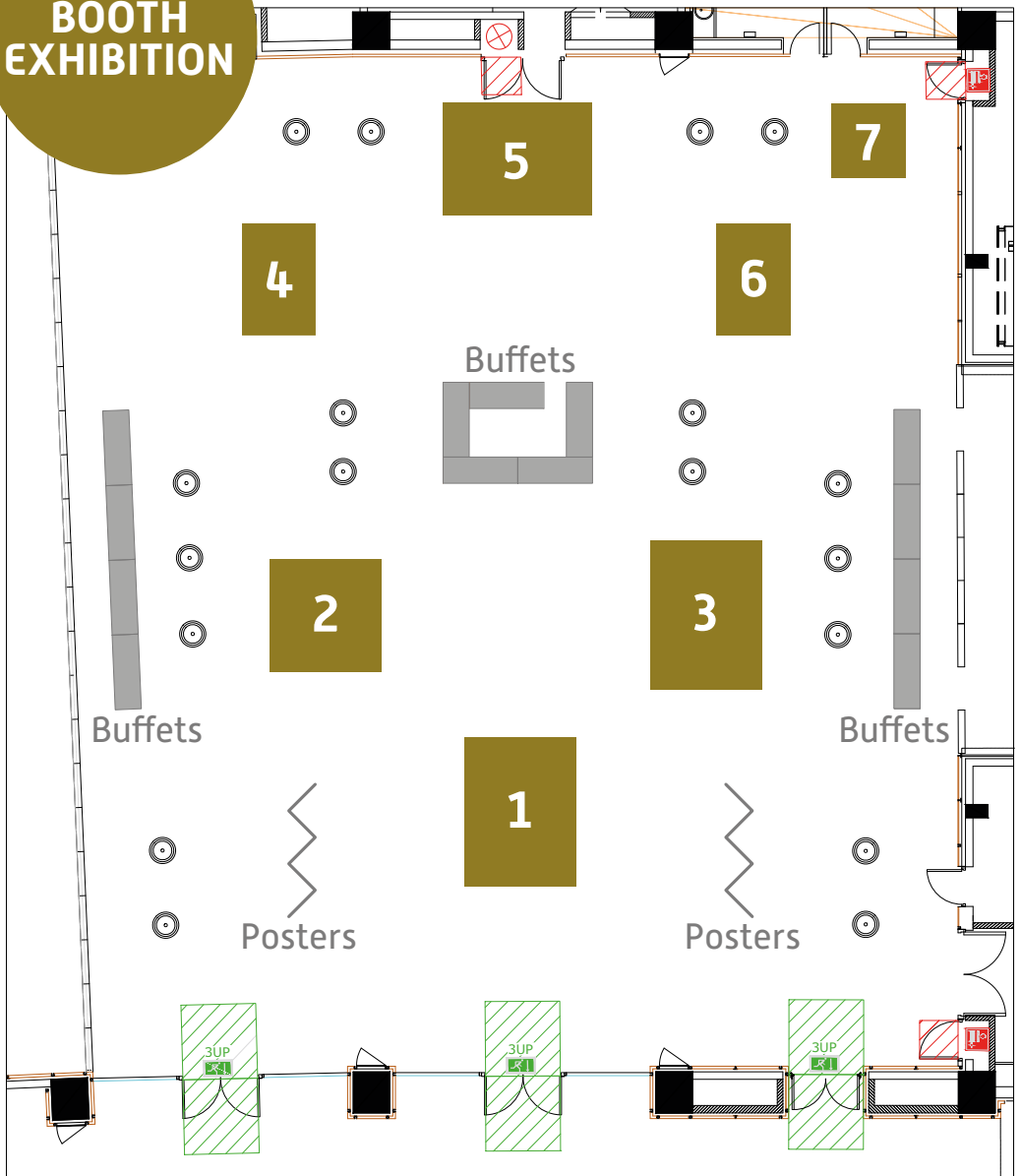


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VV-MED-01677 Date of preparation: July 2022

This satellite symposium is sponsored by Amryt Pharmaceuticals DAC.

# BOOTH EXHIBITION



1. RECORDATI
2. HRA PHARMA
3. AMRYT PHARMA
4. CONSILIENT HEALTH

5. PFIZER
6. ADVANZ PHARMA
7. ASSOCIATION NATIONALE DE L'ACROMÉGALIE

## EXHIBITION HOURS

Wed. 13h00-17h45  
 Thu. 08h30-17h40  
 Fri. 09h00-17h30  
 Sat. 09h00-11h00

# SPONSORS

The Committee would like to extend their warmest thanks to all the partners

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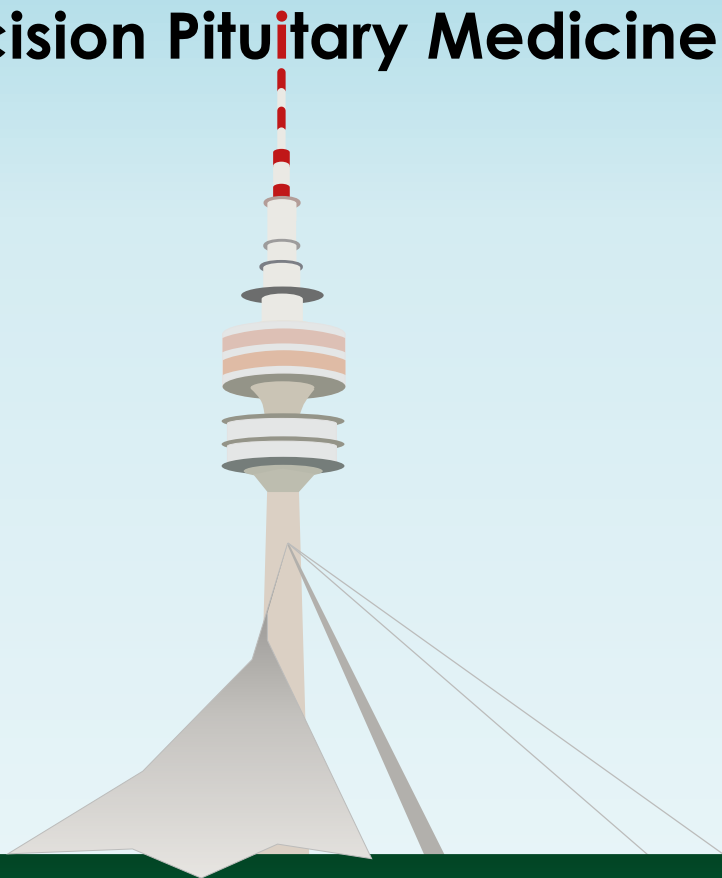
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# 8. ENEA Workshop on Precision Pituitary Medicine



December 7-9, 2023 | Munich, Germany

A meeting of the

