

6th International Symposium on Pheochromocytoma

October 19-22, 2022

Carolinum, Charles University

Prague, Czech Republic

Presenting cutting edge advances and achievements in basic and clinical science in pheochromocytoma and paraganglioma including patients' management and treatment



DELEGATE HANDBOOK

CONFERENCE SPONSORS & EXHIBITORS



**Gesellschaft für Wissens and
Technologie (GWT)**

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SYMPOSIUM CHAIRS

6th ISP President

Professor Karel Pacak, MD, PhD, DSc, FACE

Eunice Kennedy Shriver National Institutes of Child Health and Human Development
National Institutes of Health
Maryland, USA



6th ISP Vice President

Professor Roderick Clifton-Bligh, MD, PhD

Faculty of Medicine and Health
The University of Sydney
Sydney, Australia



LOCAL ORGANIZING COMMITTEE

Chair

Professor Jiri Widimsky Jr, MD, PhD

General University Hospital and 1st Faculty of Medicine
Charles University
Prague, Czech Republic



Members (alphabetic order)

Associate Professor Zdenek Frysak, PhD

University Hospital Olomouc and Faculty of Medicine and Dentistry and General University
Hospital, Palacky University
Olomouc, Czech Republic

Professor Jiri Neuzil, PhD

Institute of Biotechnology
Czech Academy of Sciences
Prague, Czech Republic

Associate Professor Ondrej Petrak, MD, PhD

General University Hospital and 1st Faculty of Medicine
Charles University
Prague, Czech Republic

Ales Vicha, MD, PhD

2nd Faculty of Medicine and Faculty Hospital Motol
Charles University
Prague, Czech Republic

Professor Tomas Zelinka, MD, PhD

General University Hospital and 1st Faculty of Medicine
Charles University
Prague, Czech Republic

The Symposium is co-organized by GALÉN-SYMPOSION s.r.o., phone: +420 222 518 535;
email: registrace@gsymposion.com

INTERNATIONAL ORGANIZING COMMITTEE

Professor Roderick Clifton-Bligh, MD, PhD

Chair

Faculty of Medicine and Health
The University of Sydney
Sydney, Australia

Professor Karel Pacak, MD, PhD, DSc, FACE

Co-Chair

Eunice Kennedy Shriver National Institutes of Child Health and Human Development
National Institutes of Health
Maryland, USA

Members (alphabetical order)

Professor Gennady Bratslavsky, MD

SUNNY Upstate Medical University
Syracuse, USA

Associate Professor Joakim Crona, MD, PhD

Uppsala University
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Professor Patricia Dahia, MD, PhD

University of Texas Health Science Center
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Technische Universität
Dresden, Germany

Professor Judith Favier, PhD

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Paris, France

Associate Professor Lauren Fishbein, MD, PhD

University of Colorado School of Medicine
Aurora, USA

Associate Professor Hans Ghayee, DO

University of Florida College of Medicine and Malcom Randall VA Medical Center
Gainesville, USA

Professor Anne-Paule Gimenez-Roqueplo, MD, PhD

Université Paris Cité, INSERM

Paris, France

Professor Ivica Iazurova, MD, PhD

Pavel Jozef Safarik University
Kosice, Slovakia

Professor Massimo Mannelli, MD, PhD

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Professor Lani Mercado-Asis, MD, PhD

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Manila, Philippines

Valeria de Miguel, MD

Hospital Italiano de Buenos Aires
Buenos Aires, Argentina

Professor Mitsuhide Naruse

Kyoto Medical Center
Kyoto, Japan

Professor Nalini Shah, MD

Seth GS Medical College, K.E.M hospital
Mumbai, India

Professor Mercedes Robledo, PhD

Spanish National Research Center
Madrid, Spain

Professor David Taieb, MD, PhD

La Timone University Hospital
Aix-Marseille University
Marseille, France

Professor Henri Timmers, MD, PhD

Radboud University Medical Center
Nijmegen, Netherlands

Professor Arthur Tischler, MD

Tufts Medical Center
Boston, USA

Professor Jacques Lenders, Em, MD

Radboud University Medical Center
Nijmegen, Netherlands

DELEGATE INFORMATION and VENUE

From its 2005 inception at the National Institutes of Health in Bethesda, Maryland, USA, the International Symposium on Pheochromocytoma has gathered internationally prominent clinicians and scientists to foster cross-continental partnerships. Under the auspices of the Pheochromocytoma and Research and Support Organization (PRESSOR), worldwide experts have convened in Cambridge, England, Paris, France, Kyoto, Japan, and Sydney, Australia to present, discuss, and explore therapeutic options, novel genetic and metabolomic approaches, diagnostic imaging, translational research efforts and much more. This time, the leading worldwide experts in basic, clinical, and translational pheochromocytoma research will be welcomed by Charles University in Prague, Czech Republic. The institution is one of the oldest universities in the world, founded in 1348 during the rule of King of Bohemia and Holy Emperor Charles IV. Located in the center of Prague, this venue will offer a unique and unmatched European atmosphere and culture. Leading experts in the field of pheochromocytoma will present their latest discoveries, guidelines, clinical trials results, collaborative efforts, and future visions for studying this tumor.

Four plenary sessions will focus on the latest discoveries and perspectives in genetics and epigenetics, biochemistry and metabologenomics, theranostics, and mitochondrial function. The symposium also welcomes patients and will have several sessions devoted to patient management, including unique case presentations and in-person discussions with expert physicians on their approach to the workup, diagnosis, and treatment of patients with this tumor. All health care professionals, scientists, students, patients, and allies are welcome to attend this Symposium, which will undoubtedly outline new focuses and avenues for early diagnosis, treatment, and ultimately prevention of pheochromocytoma and paraganglioma. Only through spreading the word “pheo-para” can we beat these tumors.

Conference Themes

- Cancer genomics and proteomics
- Metabolomics and metabologenomics
- Cancer signaling pathways
- Animal models, cancer cell lines, and organoids
- Energy metabolism and mitochondria
- Cancer immunology
- Imaging and theranostics
- Novel therapeutic approaches
- Cancer prevention
- International collaborative efforts and consortia
- Dialogues between patients and physicians

VENUE

Charles University

Ovocny trh 3 (main entrance)

116 36 Prague 1



Charles University

Celetna 20 (second entrance)

116 36 Prague 1



Registration Desk

The registration desk will be located within the Reception Halls on the ground floor of the Charles University (“Carolinum”) or close to the Blue and Green Lecture Halls.

The desk will be attended at all times during the Symposium from:

Wednesday, 19th October: 10 AM – 6 PM (the Reception Halls)

Thursday, 20th October: 7.00 AM – 6 PM (the Blue and Green Lecture Halls)

Friday, 21st October: 7.00 AM – 6 PM (the Blue and Green Lecture Halls)

Saturday, 22nd October: 7.00 AM – 10.00 AM (the Blue and Green Lecture Halls)

Delegates will collect their name tag and booklet on arrival.

Registration

Conference delegates receive the following services as part of their registration:

- Access to all sessions
- Conference booklet
- Morning and afternoon tea breaks/snacks
- Lunches
- Welcome reception
- Conference dinner
- Evening social program

Session locations

All Symposium sessions will take place in the “Blue Lecture Hall” on the 2nd floor.

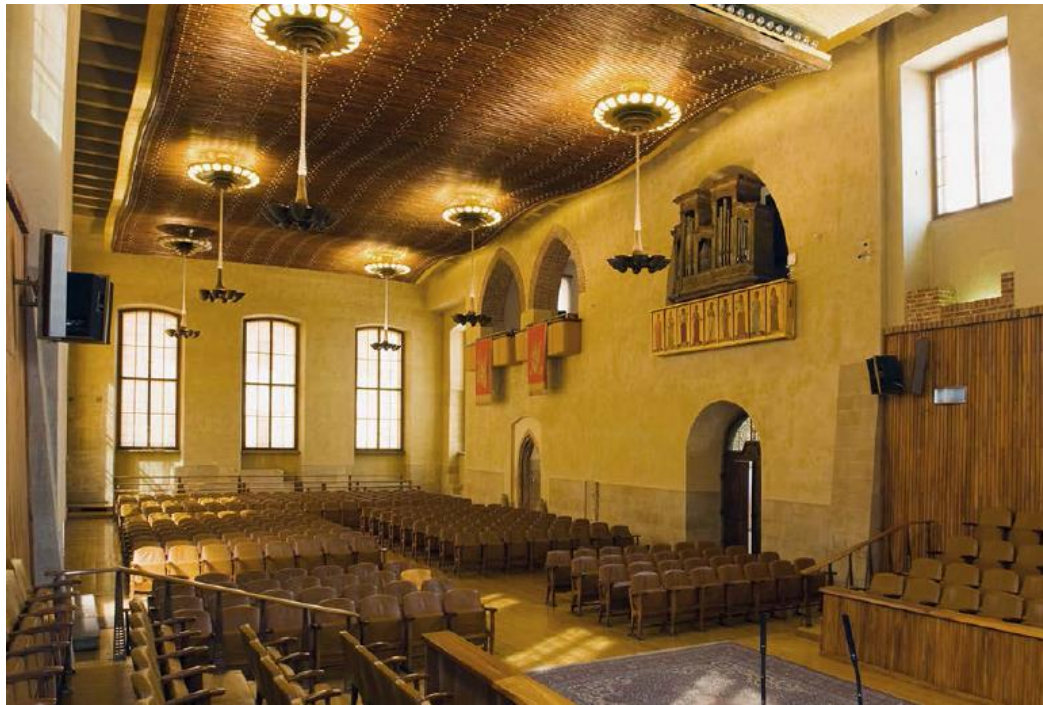


A patient session will take place in the “Green Lecture Hall” on the 1st floor.



The opening ceremony will take place in Great Hall (“Velka Aula”) on Wednesday, 19th October at 11 AM.





The Carolinum is a national cultural monument, the seat of the Rector (the President of the Charles University), and a symbol of Charles University. The building is named after the University founder Charles IV – Collegium Caroli (Caroline College). It has belonged to the Prague University since 1383 when the founder's son King Wenceslas IV acquired one of the most impressive Old Town palaces, which had been built by a rich patrician, the royal mint master and banker Johlin Rotlev, for the college. In the beginning, there was a residence for 12 masters (teachers) and their servants, a chapel, an assembly hall for the entire university, as well as a treasury and university prison. A number of significant professors worked in the Carolinum, including Jan Hus, Jan Jesenius, Bernard Bolzano and Ernst Mach. On ceremonial occasions, one could meet other personalities associated with the University here – Thomas Garrigue Masaryk, Albert Einstein and Jaroslav Heyrovský. The Carolinum is a complex of buildings at the corner of Ovocný trh and Železná street in the very center of Prague, in close vicinity to the Old Town Square. Its present form has resulted from several major reconstructions commenced at the end of the 14th century when the premises were modified for the university's purposes. The most important ones include the baroque reconstruction from the period of 1715 to 1718 by František Maxmilián Kaňka and the building reconstruction led by architect Jaroslav Frágner completed in the period of 1945 to 1959. Frágner preserved all of the historical structural parts and created a monumental architectural work. Despite its historical origin and monument preservation, the Carolinum is a living area where students and teachers meet. It is used not only for representation, but it is also a scene of the university and cultural life. The Great Hall that dominates the Carolinum holds University ceremonies and festivities, including matriculation and graduation ceremonies. As the Rector's seat, the premises often hold lectures from significant foreign personalities, meetings from academic bodies and numerous major social events.

The Poster session will run on Thursday, 20th October 2022.

Speaker Presentations

The Charles University staff will assist presenters with loading their presentations. All speakers and other attendees can contact members at the registration desk during any breaks. All speakers are encouraged to load their presentations as soon as possible to avoid any last-minute problems and rushes. The standard AV techniques for all presentations will be available for data projection using MS PowerPoint. If any animation is needed during any presentations, please contact AV staff members for help and instructions. All presentations will be run from a PC within the room in which the sessions are displayed. For those who will present their talk virtually, a special arrangement will be made a day before the presentation.

Wireless Internet

During the entire Symposium there will be complimentary Wi-Fi access for all delegates. To connect, please follow these steps: wifi “Kampus”, password: “Hybernska”

Accommodation

Each delegate to carefully check for check-out at hotels where they will be staying. If any problems occur, please approach the registration desk support staff. Accommodation for delegates is arranged in these hotels: Ross, Residence Leon D’Oro, and Metamorphis

Mobile Phones

Please ensure your mobile phone and other devices that could interfere with presentations are turned off during sessions.

Social Program

Opening reception

Date: Wednesday, 19th October 2022

Time: 1.00 PM – 2.00 PM

Welcome reception will take place in the “Reception Halls” on the ground floor.

Welcome reception

Date: Wednesday, 19th October 2022

Time: 6:30 PM – 9.00 PM

Welcome reception will take place in the “Reception Halls” on the ground floor.

Reception Halls on the ground floor.



**Thursday evening: to be determined
(dinner and music)**

Date: Thursday, 20th October 2022
Time: 7:30 PM – 10.30 PM

**Thursday evening: Obecni dum (Municipal House), nam. Republiky 5, Prague 1
(dinner and music)**

Date: Friday, 21st October 2022
Time: 7:30 PM – 11.00 PM

**Friday evening: Auto club, Opletalova 1337/29, Prague 1
(dinner and music/dance)**

Lunches

They will take place in the “Reception Halls” on the ground floor.

Coffee breaks

They will take place in the “Green Lecture Halls” on the first floor.

Poster session

It will take place in the “Reception Halls” on the ground floor.

Insurance

The hosts and organizers are not responsible for personal accidents, any travel costs, or the loss of private property and will not be liable for any claims. Delegates requiring insurance should make their own arrangements.

Disclaimer

The hosts, organizers and participating societies are not responsible for, or represented by, the options expressed by participants in either the sessions or their written abstracts.

Smoking

Smoking is not permitted in the venue or in any area of Charles University.

INVITED SPEAKERS

(Alphabetical order)

Laurence Amar

Paris University, Hopital Europeen Georges Pompidou
Paris, France

Justin Annes

Stanford University
Stanford, USA

Irina Bancos

Mayo Clinic
Rochester, USA

Tushar Bandgar

Seth GS Medical College and KEM Hospital
Parel, Mumbai, India

James Bibb

University of Alabama at Birmingham Heersink School of Medicine
Birmingham, USA

Gennady Bratslavsky

SUNY Upstate Medical University
Syracuse, USA

Roderick Clifton-Bligh

Faculty of Medicine and Health
The University of Sydney
Sydney, Australia

Patricia Dahia

University of Texas Heath Science Center
San Antonio, USA

Graeme Eisenhofer

Technische Universität
Dresden, Germany

Judith Favier

Université Paris Cité, INSERM
Paris, France

Lauren Fishbein

University of Colorado
Aurora, USA

Hans Ghayee

University of Florida College of Medicine and Malcom Randall VA Medical Center
Gainesville, USA

Anne-Paule Gimenez-Roqueplo

Université Paris Cité, INSERM
Paris, France

Camilo Jimenez

The University of Texas MD Anderson Cancer Center
Houston, USA

Jacques Lenders

Radboud University Medical Center
Nijmegen, Netherlands

Massimo Mannelli

University of Florence
Florence, Italy

Valeria de Miguel

Hospital Italiano de Buenos Aires
Buenos Aires, Argentina

Karel Pacak

Eunice Kennedy Shriver NICHD, NIH
Bethesda, USA

Christina Pamporaki

Technische Universität
Dresden, Germany

Elena Rapizzi

University of Florence
Florence, Italy

Susan Richter

Technische Universität
Dresden, Germany

Mercedes Robledo

Spanish National Research Center

Madrid, Spain

Henri Timmers

Radboud University Medical Center
Nijmegen, Netherlands

David Taïeb

La Timone University Hospital
Aix-Marseille University
Marseille, France

Richard Tothill

The Peter MacCallum Cancer Center
Melbourne, Australia

Arthur Tischler

Tufts Medical Center
Boston, USA

Rodrigo Toledo

Vall d'Hebron Institute of Oncology
Barcelona, Spain

Chunzhang Yang

NCI, NIH
Bethesda, USA

PROGRAM

Wednesday 19th October 2022

REGISTRATION

10 AM – 6.00 PM

OPENING CEREMONY/WELCOME ADDRESS

Great Hall

11.00 AM – 12 Noon

Opening remarks: Drs. Karel Pacak and Clifton-Bligh

Short welcome: Hypertension and pheochromocytoma/paraganglioma in the Czech Republic: Dr. Jiri Widimsky Jr., President of the Czech Society of Hypertension

Lifetime Achievement Award: Jacques W.M. Lenders, MD

Musical performance

Jan Kalfus Organ
Organist of Charles University

Ladislav Kozderka Trumpet
Solo Trumpet of the
Czech Philharmonic orchestra

Program:

Pavel Josef Vejvanovský Sonata g minor A4
1640-1693 for Trumpet and Organ

Johann Sebastian Bach “Jesu, Joy of Man’s Desiring”
1685-1750 BWV 147

Prelude and fugue in D major
BWV 532

Georg Philipp Telemann Concerto in D major for Trumpet and Organ
1681-1767 Allegro Spirituoso

Petr Eben
1929-2007

Largo
Vivace
Moto ostinato from Sunday Music

Georg Friedrich Händel
1685-1759

Suite in D major for Trumpet and Organ
Overture
Allegro (Gigue)
Air-Bourée
March

OPENING RECEPTION/LUNCH

Reception Halls

12 noon – 1.00 PM

HISTORICAL LECTURE

Blue Lecture Hall

1.00 PM – 1.20 PM

Chair: Karel Pacak

Ondrej Nanka: Alfred Kohn, Prague and paraganglia

PLENARY LECTURE (1)

Blue Lecture Hall

1.20 PM – 2.05 PM

Chair: Roderick Clifton-Bligh

Mercedes Robledo: Pheochromocytoma and paraganglioma: the dialogue between genetics and epigenetics

ORAL SESSION 1: Learning from our achievements, collaborations, patient interactions and consensus

2.05 PM – 4.25 PM

Chairs: Jacques Lenders and Anne-Paule Gimenez-Roqueplo

2.05 PM – 2.20 PM **Karel Pacak**

Pheochromocytoma: Advances through science, collaboration and spreading the word

2.20 PM – 2.45 PM **Lauren Fishbein**

Patient centered research and management with PheoPara Alliance to improve patient care

2.45 PM – 3.10 PM **Laurence Amar**

Consensus on the management of *SDH* mutation carriers

3.10 PM – 3.35 PM **Roderick Clifton-Bligh**

Evidence towards surveillance of *SDHB* mutation carriers

3.35 PM – 4.00 PM **Jaydira Del Rivero**

Patient-oriented new pheochromocytoma and paraganglioma
Therapeutic program at the NIH

COFFEE BREAK

Green Lecture Hall

4.00 PM – 4.30 PM

ORAL SESSION 2: Pheochromocytoma and paraganglioma genetics I: Fault in our stars

4.30 PM – 6.05 PM

Chairs: Judith Favier and Laurence Amar

4.30 PM – 4.55 PM **Richard Tothill**

A single-nuclei and bulk-tissue gene-expression atlas of pheochromocytoma and paraganglioma

4.55 PM – 5.20 PM **James Bibb**

Genetic impairment of succinate metabolism disrupts bioenergetic sensing in pheochromocytoma

5.20 PM – 5.45 PM **Nelly Burnichon**

EPAS1-mutated paraganglioma and pheochromocytoma in patients with hemoglobinopathy

5.45 PM – 6.05 PM **Sinan Karakaya**

Cytoplasmic HIF-2 α correlates to proliferation and predicts worse outcome in sympathetic paraganglia

6.05 PM – 6.25 PM **Chunzhang Yang**

Molecular targeting approaches for *SDHB* mutated pheochromocytoma and Paraganglioma (virtual)

Reception Halls

WELCOME RECEPTION

6.25 PM – 8.00 PM

Thursday 20th October 2022

REGISTRATION

7.00 AM – 6.00 PM

PLENARY LECTURE (2)

Blue Lecture Hall

8.00 AM – 8.45 AM

Chair: Roderick Clifton-Bligh

Graeme Eisenhofer: Catecholamine system biology and biochemical diagnosis of pheochromocytoma and paraganglioma

ORAL SESSION 3: Metabologenomics and proteomics: Changing the game in the understanding of pheochromocytoma and paraganglioma pathogenesis and future treatment options (part I)

8.45 AM – 12.05 PM

Chairs: Charlotte Lussey-Lepoutre and Maria Montheagudo

8.45 AM – 9.10 AM **Susan Richter**

New developments in metabolomic assessment in pheochromocytoma and paraganglioma

9.10 AM – 9.35 AM **Hans Ghayee**

Application of metabolomics in targeting the polyamine pathway in pheochromocytoma and paraganglioma

9.35 AM – 9.55 AM **Jiri Petrak**

Comprehensive proteomic characterization of human pheochromocytoma and paraganglioma identifies new potential cell-surface targets and druggable enzymes

9.55 AM – 10.15 AM **Charlotte Lussey-Lepoutre**

SDH mutation and pituitary adenoma: Can *in vivo* 1H-MR spectroscopy unravel the link?

COFFE BREAK

Green Lecture Hall

10.15 AM – 10.40 PM

ORAL SESSION 3: Metabologenomics and proteomics: Changing the game in the understanding of pheochromocytoma and paraganglioma pathogenesis and future treatment options (part II)

10.40 AM – 12.05 PM

Chairs: Susan Richter and Hans Ghayee

10.40 AM – 11.00 AM **Simone DeFabritiis**

A plasma metabolomic signature of head and neck paraganglioma

11.00 AM – 11.20 AM **Mouna Tababi**

Glutamate dehydrogenase: a potential treatment target for *SDHB*-mutated pheochromocytoma and paraganglioma

11.20 AM – 11.40 AM **Bhargavi Karna**

Adenosine receptor A2A as a potential target for diagnosis and therapy of pseudohypoxic pheochromocytomas and paragangliomas

LUNCH

Reception Halls

11.40 PM – 12.40 PM

ORAL SESSION 4: Pheochromocytoma and paraganglioma genetics II: Fault in our stars

12.40 PM – 2.15 PM

Chairs: Patricia Dahia and Richard Tothill

12.40 PM – 1.05 PM **Anne-Paule Gimenez-Roqueplo**

The long journey of pheochromocytoma/paraganglioma biomarkers, from discovery to validation in clinical routine

1.05 PM – 1.30 PM **Judith Favier**

Why are *SDHB*-mutated tumors more aggressive? Looking for the cause in OMICs data and *in vitro* models

1.30 PM – 1.55 PM **Arthur Tischler**

Putative drug targets and preclinical drug testing in a cell culture model for SDH deficient pheochromocytoma and paraganglioma caused by germline *SDHB* mutation

1.55 PM – 2.15 PM **Minghao Li**

Glucocorticoid independent regulation of PNMT in pheochromocytomas and Paragangliomas with mutations in HRAS

COFFE BREAK
Green Lecture Hall

2.15 PM – 2.40 PM

ORAL SESSION 5: Animal models, organoids and immune microenvironment I: Where will they take us in near future?

2.40 PM – 4.40 PM

Chairs: Nelly Burnichon and Elena Rapizzi

2.40 PM – 3.05 PM **Patricia Dahia**
Novel *in vivo* and *ex-vivo* models in pheochromocytoma and paraganglioma

3.05 PM – 3.30 PM **Bruna Calsina**
Immunogenomics as theranostic tool in the immunotherapy contexture of metastatic pheochromocytoma and paraganglioma

3.30 PM – 3.55 PM **Justin Annes**
A new animal model of *SDHB*

3.55 PM – 4.20 PM **Elena Rapizzi**
The role of microenvironment on chromaffin cell proliferation and invasion

4.20 PM – 4.40 PM **Hermine Mohr**
PC12 morphology affects chromaffin cell fate and vulnerability to drugs

PATIENT-ORIENTED SYMPOSIUM

Green Lecture Hall

4.40 PM – 5.40 PM

Participants in the discussion: Drs. Roderick Clifton-Bligh, Jiri Widimsky, Valeria de Miguel, Karel Pacak, Henri Timmers, Jaydira Del Rivero, Hans Ghayee, Laurence Amar

PRESSOR MEETING

Green Lecture Hall

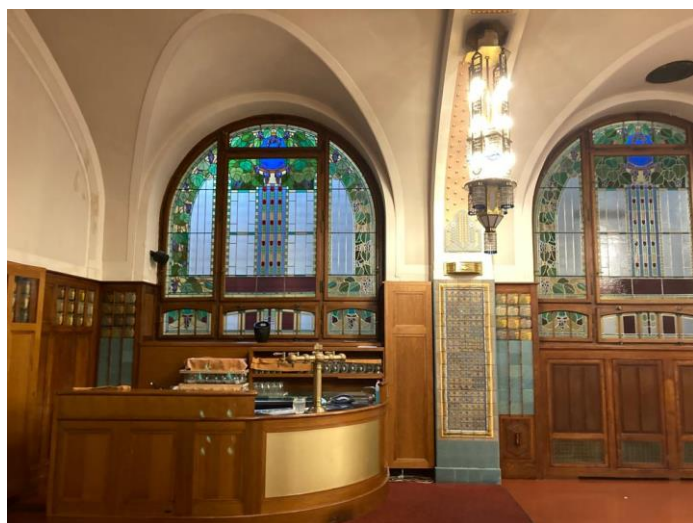
5.20 PM – 6.20 PM

SOCIAL PROGRAM

**Obecni dum (Municipal House), nam. Republiky 5, Prague 1
(dinner and music)**

7.30 PM – 10.30 PM

Obecni dum (Municipal House), nam. Republiky 5, Prague 1



Friday 21st October 2022

REGISTRATION

7.00 AM – 6.00 PM

PLENARY LECTURE (3)

Blue Lecture Hall

8.00 AM – 8.45 AM

Chair: Karel Pacak

David Taïeb: Nuclear Medicine in pheochromocytoma and paraganglioma: at the crossroad of precision medicine

ORAL SESSION 6: New era: Molecular imaging and theranostic approaches in Pheochromocytoma and paraganglioma

8.45 AM – 9.45 AM

Chairs: Henri Timmers and Abishek Jha

8.45 AM – 9.05 AM **Anouk van Berkel**

Metabolic response monitoring by 18F-FDG PET/CT versus RECIST in Metastatic pheochromocytoma and paraganglioma

9.05 AM – 9.25 AM **Mayank Patel**

Performances of functional and anatomic imaging modalities in succinate dehydrogenase A-related metastatic pheochromocytoma and paraganglioma

9.25 AM – 9.45 AM **Wyanne Noortman**

18F-FDG PET radiomics for the identification of genetic clusters in pheochromocytomas and paragangliomas

COFFE BREAK

Green Lecture Hall

9.45 AM – 10.10 AM

ORAL SESSION 7: Animal models, organoids and immune microenvironment II: Where will they take us in near future?

10.10 AM – 11.10 AM

Chairs: Arthur Tischler and Bruna Calsina

- 10.10 AM – 10.30 AM **Odrej Uher**
Promising treatment of murine pheochromocytoma using intratumoral immunotherapy
- 10.30 AM – 10.50 AM **Dona Margo**
Different strategies to model *SDHB*-associated paraganglioma using zebrafish
- 10.50 AM – 11.10 AM **Mari Frederieke van Der Berg**
Pheochromocytoma and paraganglioma in spontaneous canine animal model: unraveling the genetic signature by the whole transcriptome sequencing

LUNCH

Reception Halls

11.10 AM – 12.10 PM

LUNCH TIME SYMPOSIUM ON HSA-¹³¹I-MIBG (AZEDRA®) in Clinical Practice

11.10 AM – 12.10 PM

ORAL SESSION 8: Young Investigator Award

12.10 PM – 2.30 PM

Chairs: Graeme Eisenhofer and Mercedes Robledo

- 12.10 PM – 12.30 PM **Sara Mellid Lopez**
Hyposuccinylation as a new mechanism behind the development of DLST-mutated pheochromocytomas and paragangliomas

- 12.30 PM – 12.50 PM **Maria Montheagudo**
Differential genomic and microenvironment profile in MAML3 fusions-related pheochromocytomas and paragangliomas
- 12.50 PM – 1.10 PM **Jared Rosenblum**
Pacak-Zhuang syndrome: A model providing new insights into tumor syndromes
- 1.10 PM – 1.30 PM **Abishek Jha**
High-specific-activity ¹³¹I-MIBG vs ¹⁷⁷Lu-DOTATATE therapy: an evolving conundrum in targeted radionuclide therapy of metastatic pheochromocytoma and paraganglioma
- 1.30 PM – 1.50 PM **Eugenie Lim**
Transmission ratio distortion for pathogenic SDHB alleles
- 1.50 PM – 2.10 PM **Jan Helm**
Increased glutathione recovery in a HIF-2 α -dependent Pheochromocytoma: A mechanism to escape chemotherapy?
- 2.10 PM – 2.30 PM **Gintare Zygiene**
Impaired kynurenine metabolism in SDHB-mutated pheochromocytomas and paragangliomas

COFFE BREAK

Green Lecture Hall

2.30 PM – 2.55 PM

ORAL SESSION 9: Management of metastatic pheochromocytoma and paraganglioma including clinical trials I: Loading gun to pull the trigger soon

2.55 PM – 5.10 PM

Chairs: Christina Pamporaki and Valeria de Miguel

- 2.55 PM – 3.20 PM **Debbie Cohen**
Presentation, treatment patterns, and clinical outcomes for patients with metastatic pheochromocytoma and paraganglioma

- 3.20 PM – 3.45 PM **Camilo Jimenez**
Clinical trials for metastatic pheochromocytoma and paraganglioma:
New horizons, new perspectives
- 3.45 PM – 4.10 PM **Rodrigo Toledo**
Developing a roadmap for precision medicine in metastatic
pheochromocytoma and paraganglioma markers
- 4.10 PM – 4.35 PM **Lauren Fishbein**
Predicting metastatic PPGL: genetic, genomics, and histopathological
markers
- 4.35 PM – 5.00 PM **Gennady Bratslavsky**
Comprehensive genomic profiling of advanced pheochromocytoma and
paraganglioma

Reception Halls

POSTER SESSION

5.0 PM – 6.00 PM

SOCIAL PROGRAM

Auto club, Opletalova 1337/29, Prague 1 (dinner and music/dance)

7.30 PM – 11.00 PM

Auto club, Opletalova 1337/29, Prague 1



Saturday 22nd October 2022

REGISTRATION

7.00 AM – 10.00 AM

PLENARY LECTURE (4)

Blue Lecture Hall

8.00 AM – 8.45 AM

Chair: Arthur Tischler

Jiri Neuzil: Stepwise assembly of mitochondrial respiratory complex II: Focus on cancer pathogenesis

ORAL SESSION 10: Management of pheochromocytoma and paraganglioma and experience from national centers and studies: New horizons (part I)

8.45 AM – 10.55 AM

Chairs: Camilo Jimenez and Debbie Cohen

8.45 AM – 9.10 AM **Henri Timmers**
To block or not to block

9.10 AM – 9.35 AM **Tushar Bandgar**
Preoperative amlodipine is efficacious in preventing intraoperative Hemodynamic instability in pheochromocytoma

9.35 AM – 9.55 AM **Scott Akker**
Reversing catabolism: Additional benefits of alpha-blockade pheochromocytoma and paraganglioma

9.55 AM – 10.20 AM **Svenja Nölting**
Advance in current and experimental therapeutic options of metastatic pheochromocytoma and paraganglioma

10.20 AM – 10.55 AM **Irina Bancos**

Pheochromocytoma and paraganglioma in pregnancy

10.55 AM – 11.15 AM **Matthew Nazari**

The approach and management of tachyarrhythmias and hypertensive crisis in patients with pheochromocytoma and paraganglioma

COFFE BREAK

Green Lecture Hall

11.15 AM – 11.35 PM

ORAL SESSION 10: Management of pheochromocytoma and paraganglioma and experience from national centers and studies: New horizons (part II)

11.35 AM – 1.25 PM

Chairs: Svenja Nölting and Tushar Bandgar

11.35 AM – 12.00 PM **Christina Pamporaki**

Machine learning applications for diagnosis and stratification of patients with pheochromocytoma and paraganglioma

12.00 PM – 12.25 PM **Valeria de Miguel**

Clinical characteristics of pheochromocytoma and paraganglioma in Argentina over the last 60 years and the establishment of a national referral center focusing on these tumors

12.25 PM – 12.45 PM **Lisa Gunnesson**

Pheochromocytoma during pregnancy – is there a when and how to remove the tumor? A review of all cases in Sweden from years 1973-2015

12.45 PM – 1.05 PM **Anli Tong**

Prediction of a metastasis in pheochromocytoma and paraganglioma
A large cohort of Chinese patients (virtual)

1.05 AM – 1.25 AM **Amir Baz**

Transperitoneal or retroperitoneal laparoscopic adrenalectomy in pheochromocytoma: A retrospective study on the effect of a surgical approach on hemodynamic instability

ADJOURNMENT

1.25 PM – 1.35 PM

POSTER LISTING

1.

Minghao Li

Recurrent sporadic pheochromocytoma and paraganglioma

2.

Letizia Canu

HNPGLs – comparison of functional deficits caused by surgery with those caused by the growth of the tumor

3.

Margo Dona

The potential of a zebrafish larval drug screen to discover novel medicines for paragangliomas

4.

Liang Zhang

Safety of core-needle biopsy in pheochromocytoma and paraganglioma: A systemic review and individual patient meta-analysis

5.

Diana Liberata Esposito

Complementary hypoxia molecular phenotypes in head and neck paragangliomas

6.

Samantha Greenberg

PET-CT as a screening imaging option: A single institution's experience with PET imaging for individuals with *SDHx* pathogenic variants

7.

Yonghong Huan

Clinical utilization of plasma metanephrines as a screening test for pheochromocytoma/paraganglioma: experience from a large health care system

8.

Roderick Clifton-Bligh

Clinical utility of Selpercatinib in RET-mutant pheochromocytoma

9.

Ewelina Rzepka

Adrenal hemorrhage in a pheochromocytoma – a rare life threatening and challenging complication

10.

Bartłomiej Budny

The contribution of NF1 variants to a phenotypic landscape of PPGL

11.

Khin Swe Myint

Diagnostic accuracy and optimal cut off values of urinary free normetanephrine levels in investigating suspected chromaffin-cell tumors: a retrospective single center study

12.

Ewelina Rzepka

Vitamin D receptor expression in adrenal medulla and pheochromocytoma

13.

Alicja Szatko

ProSAAS peptide of the granin protein family in biochemical diagnosis of pheochromocytoma

14.

Tomas Zelinka

Changes in blood count induced by doxazosin treatment in subjects with pheochromocytomas

15.

Anasuya Guha

The dilemma in managing multiple head and neck paragangliomas at the Otorhinolaryngology Department

16.

Dorota Leszczynska

Chromogranin A (CgA) in the biochemical diagnosis of paraganglioma – case series

17.

Ewelina Rzepka

A very rare case of disseminated malignant pheochromocytoma in the course of neurofibromatosis type 1

18.

Ewelina Rzepka

Pheochromocytoma/paraganglioma metastatic potential prediction

19.

Lauren Fishbein

UBTF-MAML3 fusion found in PPGL drives metastatic behavior in vitro

20.

Roderick Clifton-Bligh

Individualized risk of germline pathogenic variants in patients with pheochromocytoma and paraganglioma: a predictive risk algorithm

21.

Roderick Clifton-Bligh

A clinicopathologic and molecular analysis of fumarate hydratase-deficient pheochromocytoma and paraganglioma

22.

Tamara Prodanov

Largest Cohort of Cervical Spine Metastases of Pheochromocytoma/Paraganglioma in the setting of *SDHB* Mutation

23.

Christian Ziegler

Incidentally discovered case of pheochromocytoma as a cause of long COVID-19 syndrome

24.

Karim Abid

Biochemical follow-up of patients with a PPGL: A Swiss retrospective study

25.

Evan Tooker

The natural history of observed SDH-related head and neck paragangliomas using 3D volumetric tumor analysis.

26.

Francesca Amore

Human pheochromocytoma tumor cells show peculiar biophysical characteristics depending on their genetic profile

27.

Saba Samad Memon

Ambulatory blood pressure monitoring in pheochromocytoma-paraganglioma: single center experience

28.

Madson Almeida

Genetic spectrum of a large cohort of pheochromocytomas and paragangliomas

29.

Madson Almeida

SLC25A11 is a possible new gene for Carney-Stratakis syndrome

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