Conference Program

11th Annual ENETS Conference for the Diagnosis and Treatment of Neuroendocrine Tumor Disease

5 - 7 March 2014
Barcelona
**ENETS Scientific Conference Program**

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Postgraduate course

Time: Wednesday 08:15 - 17:15
Room: Meeting room 112

The postgraduate program is designed for clinicians and researchers new to NET diagnosis and therapy. The course is a ticketed event with limited seats which costs €100 (€ 150 - registration fee after Feb 16, 2014 and on-site) per participant.

08:15 - 09:15  Registration and coffee

09:15 - 09:40  Introduction and overview
Martyn Caplin, GBR

09:40 - 10:00  Histology for NETs
Aurel Perren, SUI

10:00 - 10:20  Familial NET syndromes
Dermot O'Toole, IRL

10:20 - 10:30  Panel Questions

10:30 - 11:00  Familial NET case presentation
Ulrich-Frank Pape, GER

11:00 - 11:30  Coffee break

11:30 - 11:50  Bronchial NET investigation and management
Piero Ferolla, ITA

11:50 - 12:10  Bronchial NET case presentation
Christos Toumpanakis, GBR

12:10 - 12:20  Panel Questions

12:20 - 12:45  The role of Somatostatin analogues in functional and non-functional GEP-NETs
Marianne Pavel, GER

12:45 - 13:45  Lunch

13:45 - 14:15  Midgut NET case presentation
Bertram Wiedenmann, GER

14:15 - 14:40  Gastrinoma
Robert Jensen, USA

14:40 - 15:05  Insulinoma
Beata Kos-Kudla, POL

15:05 - 15:25  VIPoma and PTHrPoma
Kjell Öberg, SWE

15:25 - 15:35  Panel Questions

15:35 - 16:00  Coffee break

16:00 - 16:30  Liver transplant case presentation
Philippe Ruszniewski, FRA

16:30 - 17:00  Molecular targeted therapies: Now and the future
Matthew Kulke, USA

17:00 - 17:10  Summary and closing comments
Martyn Caplin, GBR

Welcome Reception
Time: Wednesday 18:00 - 20:00
Room: Exhibition area
Thursday, 06.03.2014

Interactive Workshops

Time: Thursday 07:30 - 08:30

Meeting room 123  Biology of NETs in rare locations
(Sponsored by Industry)
Marco Volante, ITA

Meeting room 124  Lung NET
(Sponsored by Industry)
Eric Baudin, FRA / Jean-Yves Scoazec, FRA / Joel Guigay, FRA

Meeting room 125  Paraganglioma and malignant pheocromocytoma
(Sponsored by Industry)
Jacques Lenders, NED

Meeting room 127  Radioembolization
(Sponsored by Industry)
Heinz-Josef Klümpen, NED

Meeting room 128  Small non-functioning pNETs
(Sponsored by Industry)
Alain Sauvanet, FRA

Welcome and Introduction

Time: Thursday 08:30 - 08:45
Room: Meeting room 113-116 (Plenary)

08:30 - 08:45  Welcome and Introduction
Jaume Capdevila, ESP / Kjell Öberg, SWE

Session 1: Challenges in NET diagnosis

Time: Thursday 08:45 - 10:45
Room: Meeting room 113-116 (Plenary)
M. Pavel, Berlin, Germany; P. Ruszniewski, Clichy, France

08:45 - 09:15  Should we change the Ki-67 thresholds?
Jean-Yves Scoazec, FRA

09:15 - 09:45  Chromogranin A: How useful is it?
Margot Tesselaar, NED

09:45 - 10:15  Liver metastases are not so easy
Dominic Yu, GBR

10:15 - 10:45  The future of nuclear medicine diagnosis
Lisa Bodei, ITA

Coffee break and poster viewing

Time: Thursday 10:45 - 11:30
Room: Exhibition area

Session 2a: Clinical Abstracts
Time: Thursday 11:30 - 12:30

Session 2b: Basic Science Abstracts
Time: Thursday 11:30 - 12:30
Room: Meeting room 113-116 (Plenary)  
Chairs: P. Ferolla, Perugia, Italy; D. Gross, Jerusalem, Israel

11:30 - 11:45  
High Grade (G3) Neuroendocrine Neoplasms Should be Further Classified According to Morphological Differentiation  
Dalvinder Mandair, GBR

11:45 - 12:00  
A Molecular Multi-Transcript Gene Blood Signature Significantly Outperforms Chromogranin A (CgA) in the Detection of Gut Neuroendocrine Tumors (NETs)  
Irvin Modlin, USA

12:00 - 12:15  
Usefulness of the WHO Classification and of the ENETS TNM Staging System to Predict Prognosis in Patients with Rectal NENs  
Lorenzo Pescatori, ITA

12:15 - 12:30  
A Three Tier Grading System Based on Ki-67 Index, Mitotic Count and Necrosis With Cut-Offs Specifically Generated for Lung Neuroendocrine Tumors is Prognostically Effective and Accurate  
Guido Rindi, ITA

Room: Meeting room 111  
Chairs: D. Ferone, Genoa, Italy; T. Ito, Fukuoka, Japan

11:30 - 11:45  
Identification of Hypoxia Induced Epigenetic Changes in the Development of Pancreatic Neuroendocrine Tumors  
Harpreet Dibra, GBR

11:45 - 12:00  
ACTG2 Inhibits Growth and is Epigenetically Repressed in Small Intestinal Neuroendocrine Tumors  
Katarina Edfeldt, SWE

12:00 - 12:15  
DAXX and ATRX Loss Defines Chromosomal Instability and Poor Outcome in Pancreatic NET  
Ilaria Marinoni, SUI

12:15 - 12:30  
Interference of Nutrient/Oxygen Availability with mTOR Activation and Inhibition in Lung Carcinoids: A Tissue and Cellular Study  
Marco Volante, ITA

Symposium I + Lunch

Time: Thursday 13:00 - 14:30  
Room: Meeting room 112  
(Sponsored by Industry)
### Session 3a: Clinical Abstracts

**Time:** Thursday 14:30 - 15:30  
**Room:** Meeting room 113-116 (Plenary)  
Chairs: B. Eriksson, Uppsala, Sweden; B. Niederle, Vienna, Austria

- **14:30 - 14:45**  
  **Overall Survival (OS) as a Function of the Number of Therapeutic Lines in Patients with Well-Differentiated Pancreatic Neuroendocrine Tumors (WDpNET)**  
  Amandine Berdelou, FRA

- **14:45 - 15:00**  
  **Progression-Free Survival (PFS) and Tumor Growth with Lanreotide Autogel (LAN) in Patients (Pts) with Enteropancreatic NETs: Results from CLARINET, a Randomized, Double-Blind, Placebo (Pbo)-Controlled Study**  
  Martyn Caplin, GBR

- **15:00 - 15:15**  
  **The Role of Primary Resection and Hepatic Resection in the Management of Metastatic Pancreatic Neuroendocrine Tumors with Irresectable Liver Metastases**  
  Logan Mills, GBR

- **15:15 - 15:30**  
  **Telotristat Etiprate (TE) in a Cohort of Carcinoid Heart Disease Patients in Two Phase 2 Trials**  
  Darren Wheeler, USA

### Session 3b: Basic Science Abstracts

**Time:** Thursday 14:30 - 15:30  
**Room:** Meeting room 111  
Chairs: R. Thakker, Oxford, United Kingdom; A. Couvelard, Clichy, France

- **14:30 - 14:45**  
  **Evaluation of Tumor Response to Targeted Therapies in Precision-Cut Slices of Human Pancreatic Neuroendocrine Tumors**  
  Margot Bucau, FRA

- **14:45 - 15:00**  
  **The Effect of Autophagy Inhibitors Alone or in Combination with mTOR Inhibitors in a Neuroendocrine Tumor Cell Model**  
  Simona Glasberg, ISR

- **15:00 - 15:15**  
  **Expression of IGF/mTOR pathway components in human pheochromocytomas and in vitro inhibition of PC12 rat pheochromocytoma cell growth by mTOR inhibitors alone and in combination with the dual IGFI-R/I**  
  Maria Cristina De Martino, ITA

- **15:15 - 15:30**  
  **Inducing, Understanding and Overcoming Resistance to Everolimus in Pancreatic Neuroendocrine Tumors**  
  Timon Vandamme, NED

### Nurses Symposium

**Time:** Thursday 14:30 - 15:30  
**Room:** Meeting room 131 & 132

Registration for the nurses symposium is free of charge.

### Interactive Case Discussion I

**Time:** Thursday 15:40 - 16:40  
**Room:** Meeting room 113-116 (Plenary)  
Chairs: P. Ruszniewski, Clichy, France; J. Capdevila, Barcelona, Spain

- **15:40 - 16:00**  
  **Appendix NET**  
  Alexandre Teule, ESP

- **16:00 - 16:40**  
  **Gastric NET**  
  Louis De Mestier, FRA

### ENETS General Assembly

**Time:** Thursday 17:00 - 18:00  
**Room:** Meeting room 131 & 132
Members only! Entry is free of charge.

Symposium II

**Time:** Thursday 18:15 - 19:15  
**Room:** Meeting room 112  
(Sponsored by Industry)
Friday, 07.03.2014

Interactive Workshops

Time: Friday 07:30 - 08:30

Meeting room 123  Biology of NETs in rare locations  (Sponsored by Industry)
Marco Volante, ITA

Meeting room 124  Lung NET  (Sponsored by Industry)
Eric Baudin, FRA / Jean-Yves Scoazec, FRA / Joel Guigay, FRA

Meeting room 125  Paraganglioma and malignant pheocromocytoma  (Sponsored by Industry)
Jacques Lenders, NED

Meeting room 127  Radioembolization  (Sponsored by Industry)
Heinz-Josef Klümpen, NED

Meeting room 128  Small non-functioning pNETs  (Sponsored by Industry)
Alain Sauvanet, FRA

Parallel Sessions

ENETS-NANETS Young Investigator Symposium

Time: Friday 07:30 - 08:30
Room: Meeting room 111

Chairs: M. Kulke, Boston, MA, USA; J. Yao, Houston, TX, USA; M. Caplin, London, United Kingdom

Registration for the ENETS-NANETS Young Investigator Symposium is free of charge.

07:30 - 07:40  Succinate Dehydrogenase Subunit B (SDHB) Immunohistochemistry Should Not Replace Clinical Genetic Testing for SDHx Mutations in Patients with Pheochromocytoma and Paraganglioma
Lauren Fishbein, USA

07:40 - 07:50  Association Between Tumor Expression of VEGFA, VEGFR1 (FLT1), VEGFR2 (KDR), and Clinical Outcomes in Neuroendocrine Tumors
Zhirong Qian, USA

07:50 - 08:00  Comparison of Manual and Automatic Methods of Ki-67 Proliferation Index For Neuroendocrine Tumors: The Development and Validation of a Novel Digital Pathology Tool (Ki-67Counter)
Lin Yang, USA
08:00 - 08:10
O6-Methylguanine DNA Methyltransferase (MGMT) Expression and Ki-67 Index Predict Response to Temozolomide in Patients with Well-Differentiated Pancreatic Neuroendocrine Tumors (WDPNET)
Jerome Cros, FRA

08:10 - 08:20
Characteristics and Treatments of Patients with G3 Gastroenteropancreatic Neuroendocrine Tumors (G3-NET) and Neuroendocrine Carcinoma (NEC): A European Multicenter Retrospective Study
Maximilian Heetfeld, GER

08:20 - 08:30
Upregulation of Somatostatin Receptor Type 2 Expression in Neuroendocrine Tumors by Epigenetic Modulation
Marije Jildau Veenstra, NED

Session 4: Problems in managing patients with carcinoid syndrome

Time: Friday 08:30 - 09:45
Room: Meeting room 113-116 (Plenary)
Chairs: A. Grossman, London, United Kingdom; C. Verslype, Leuven, Belgium

08:30 - 08:45  Refractory carcinoid syndrome
Ivan Borbath, BEL

08:45 - 09:00  Carcinoid heart disease
Joseph Davar, GBR

09:00 - 09:15  Resection of mesenteric disease - how far should the surgeon go?
Göran Åkerström, SWE

09:15 - 09:30  Peritoneal disease: how best to manage it?
Reza Kianmanesh, FRA

09:30 - 09:45  DISCUSSION

Interactive Workshops

Time: Friday 09:30 - 10:30
Meeting room 129  IPSEN Meeting

Interactive Case Discussion II

Time: Friday 09:45 - 10:45
Room: Meeting room 113-116 (Plenary)
Chairs: M. Caplin, London, United Kingdom; M. Falconi, Torrette-Ancona, Italy

09:45 - 10:05  Rectal NET
Dalvinder Mandair, GBR

10:05 - 10:45  Pancreatic NET
Stefano Partelli, ITA

Coffee break and poster viewing
**Keynote Lecture: Present and future state of PRRT**

**Time:** Friday 11:15 - 11:45  
**Room:** Meeting room 113-116 (Plenary)  
E. Krenning, Rotterdam, The Netherlands  
(Recipient of 2014 ENETS Life Achievement Award)  
Dedication: D. Kwekkeboom, Rotterdam, The Netherlands  
Chair: K. Öberg, ENETS Chairman, Uppsala, Sweden

**2013 ENETS-Ipsen fellowship overview**

**Time:** Friday 11:45 - 11:50  
**Room:** Meeting room 113-116 (Plenary)  
T. Vandamme, Antwerp, Belgium

**2014 ENETS Centers of Excellence Certification Ceremony**

**Time:** Friday 11:50 - 12:00  
**Room:** Meeting room 113-116 (Plenary)  
Chair: D. O’Toole, Dublin, Ireland

**Young Investigator Awards**

**Time:** Friday 12:00 - 12:15  
**Room:** Meeting room 113-116 (Plenary)  
Chair: K. Öberg, ENETS Chairman, Uppsala, Sweden  
*First, second and third prizes will be awarded to the respective abstract authors in the two categories of basic science and clinical research.*

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### Parallel Sessions

**Session 5a: Genomic Sequencing**

**Time:** Friday 12:15 - 13:30  
**Room:** Meeting room 113-116 (Plenary)  
Chairs: G. Rindi, Rome, Italy; D. Sidransky, Baltimore, MD, USA

- 12:15 - 12:30  
  **Towards personalized medicine in NETs**  
  Aldo Scarpa, ITA

- 12:30 - 12:45  
  **Is it prime time for next generation sequencing in the clinic?**  
  David Sidransky, USA

- 12:45 - 13:00  
  **Targeting signal transduct - is it enough?**  
  Yosef Yarden, ISR

- 13:00 - 13:15  
  **Ribosome biogenesis as a new hot target**  
  George Thomas, ESP

- 13:15 - 13:30  
  **DISCUSSION**

**Session 5b: NETs and the GI endoscopist**

**Time:** Friday 12:15 - 13:30  
**Room:** Meeting room 111  
Chairs: D. O’Toole, Dublin, Ireland; U.-F. Pape, Berlin, Germany

- 12:15 - 12:35  
  **Standard endoscopy and EUS in the diagnostic setting**  
  Laurent Palazzo, FRA

- 12:35 - 12:55  
  **Therapeutic endoscopy in managing GEP-NETs**  
  Dermot O’Toole, IRL

- 12:55 - 13:15  
  **The future of extra luminal tumor treatment**  
  Paolo Georgio Arcidiacono, ITA

- 13:15 - 13:30  
  **DISCUSSION**
Symposium III + Lunch

**Time:** Friday 13:30 - 14:30
**Room:** Meeting room 112
(Sponsored by Industry)
Session 6: Pro and Con - Apparently resectable liver METs: Should the surgeon go upfront?

**Time:** Friday 14:30 - 15:15  
**Room:** Meeting room 113-116 (Plenary)  
Chair: B. Wiedenmann, Berlin, Germany  
Invited discussants: L. Bodei, Milan, Italy; C. Verbeke, Stockholm, Sweden

**PRO**
- D. Bartsch, Marburg, Germany
- G. Delle Fave, Rome, Italy

**CON**
- M. Falconi, Ancona, Italy
- T. Meyer, London, United Kingdom

Best abstracts of 2014 (Poster synthesis and overview)

**Time:** Friday 15:15 - 15:30  
**Room:** Meeting room 113-116 (Plenary)  
R. Jensen, Bethesda, MD, USA

Session 7: What's new in my field?

**Time:** Friday 15:30 - 16:30  
**Room:** Meeting room 113-116 (Plenary)  
Chairs: B. Kos-Kudla, Katowice, Poland; J. O'Connor, Buenos Aires, Argentina

15:30 - 15:45 **Pathology**  
* Aurel Perren, SUI

15:45 - 16:00 **Surgery**  
* Thomas Steinmüller, GER

16:00 - 16:15 **Medical oncology**  
* Rocio Garcia-Carbonero, ESP

16:15 - 16:30 **Imaging**  
* Marie-Pierre Vullierme, FRA

Concluding Remarks

**Time:** Friday 16:30 - 16:45  
**Room:** Meeting room 113-116 (Plenary)  
ENETS Chairman