

SAGE GATESHEAD CONFERENCE OVERVIEW 15–18 SEPTEMBER 2018

Clinical & Scientific Update 2018 Scientific Programme eta2018.org

The CONGRESS REGISTRATION DESK will operate the following hours:

FRIDAY,	14th Sept.	16.00 - 18.00
SATURDAY,	15th Sept.	07.00 - 19.30
SUNDAY,	16th Sept.	06.30 - 18.45
MONDAY,	17th Sept.	06.30 - 19.15
TUESDAY,	18th Sept.	06.30 - 15.00

COMMERCIAL EXHIBITION Opening times

SATURDAY	, 15th Sept.	09.00 - 18.00
SUNDAY,	16th Sept.	09.00 - 18.00
MONDAY,	17th Sept.	09.00 - 18.00
TUESDAY,	18th Sept.	09.00 - 15.00

MEDIA CHECK Opening times

SATURDAY	, 15th Sept.	07.00 - 18.15
SUNDAY,	16th Sept.	06.30 - 18.00
MONDAY,	17th Sept.	06.30 - 18.00
TUESDAY,	18th Sept.	06.30 - 13.00

The 41st ANNUAL MEETING of the European Thyroid Association has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) for a maximum of 26 European CME credits (ECMEC®s).

ETA Clinical Update

Primary Hyperthyroidism



08.00 - 13.00

Chair: Thomas Brix (Denmark) & Tomasz Bednarczuk (Poland)

08.00-08.30	Epidemiology, clinical picture, and diagnosis of hyperthyroidism Mark Vanderpump (United Kingdom)
08.30-09.00	Treatment options in hyperthyroidism and how to monitor / evaluate the effect of treatment Maria Alevizaki (Greece)
09.00-09.30	Treatment of drug induced hyperthyroidism – focus on amiodarone and monoclonal antibodies Luigi Bartalena (Italy)
COFFEE BREA	ĸ
10.00-10.30	Health outcomes related with hyperthyroidism: Low TSH: what is the evidence for harm? Simon Pearce (United Kingdom)
10.30-11.00	Health outcomes related with hyperthyroidism: Burden of cardiovascular morbidity and mortality risk in hyperthyroidism – Effect of treatment? Salman Razvi (United Kingdom)
11.00-11.30	Health outcomes with hyperthyroidism: How to evaluate clinical activity / severity of GO George J. Kahaly (Germany)
COFFEE BREA	к
12.00-12.30	Hyperthyroidism in pregnancy – when and how to treat with focus on the effect / consequences of treatment for the mother and child?

Kris Poppe (Belgium)

12.30-13.00	Subclinical hyperthyroidism – who should be treated and choice of treatment?
	Kristien Boelaert (United Kingdom)

ETA Basic - Scientific Update 2018

VENUE C9 The Kathrine Shears Studio

09.00 - 12.00

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Chair: Anita Boelen (The Netherlands)

09.00-09.30	RNA seq/analysis Laurent Sachs (France)
09.30-10.00	Exome databases / exome sequencing Nadia Schoenmakers (United Kingdom)
COFFEE BREAK	
10.30–11.00	Mouse Cre lines Heike Heuer (Germany)
11.00–11.30	Genetically modified mice in studies of thyroid hormone physiology and action Graham Williams (United Kingdom)
11.30–12.00	Generation of tissue specific cells from iPSC Anthony Hollenberg (USA)

ETA-CRN Symposium

VENUE Barbour Room EAST

08.00-13.00

Medullary Thyroid Cancer Management

08.00 Welcome address

Dagmar Führer (Germany)

SESSION I

Chair: Dagmar Führer (Germany)

08.10-08.30	Calcitonin ranges, stimulation test and alternative markers Laura Fugazzola (Italy)
08.30-08.50	Cost effectiveness of Calcitonin screening Hans Verbeek (The Netherlands)
08.50-09.15	Surgical approaches depending on known RET germline mutation Agnieszka Czarniecka (Poland)
09.15-09.40	Surgical approaches depending on calcitonin and elective central and lateral neck compartment Schelto Kruijff (The Netherlands)
09.40-10.05	Long-term survivorship and RET genotypes Karin Frank-Raue (Germany)

COFFEE BREAK

SESSION II

Chair: Markus Luster (Germany)

10.30-10.55	Novel imaging techniques for MTC Arnoldo Piccardo (Italy)
10.55-11.20	Animal models in MTC Giovanni Vitale (Italy)
11.20-11.45	Immune components of MTC – "hype" or perspectives? Rosa Marina Mellilo (Italy)
11.45-12.15	Perspectives in the management of MTC/MEN2A Sam Wells (USA)
12.15-12.30	Round Table discusion
12.30	Closing remarks and Lunch
12.30-13.00	General Assembly of ETA-CRN



Iodine Global Network - European Thyroid Association

VENUE Barbour Room WEST

08.00-13.00 Achieving Optimal Iodine Nutrition

08.00-08.25	Registration and Coffee/Tea
08.25-08.30	Introduction – John H. Lazarus (IGN Regional Coordinator)
	Chairs: Iris Erlund (Finland) & Lluís Vila (Spain)
08.30-08.50	Dietary iodine intake: is it adequate nowadays ? Ian Givens (United Kingdom)
08.50-09.10	Breast milk iodine Maria Andersson (Switzerland)
09.10-09.30	Iodine nutrition in pregnant and lactating Norwegian women Sigrun Henjum (Norway)
09.30-09.50	The role of surveys in assessment of iodine status Jayne Woodside (Northern Ireland)
COFFEE/TEA a	and POSTERS
	Chairs: Alicja Hubalewska-Dydejczyk (Poland) & Henry Völzke (Germany)
10.30-10.50	
10.30-10.50 10.50-11.10	Alicja Hubalewska-Dydejczyk (Poland) & Henry Völzke (Germany) Israel – country profile
	Alicja Hubalewska-Dydejczyk (Poland) & Henry Völzke (Germany) Israel – country profile Aron Troen (Israel) Iodine and endocrine disruptors
10.50-11.10	Alicja Hubalewska-Dydejczyk (Poland) & Henry Völzke (Germany) Israel – country profile Aron Troen (Israel) Iodine and endocrine disruptors Barbara Demeneix (France) Milk iodine concentration in UK
10.50-11.10 11.10-11.30	Alicja Hubalewska-Dydejczyk (Poland) & Henry Völzke (Germany) Israel – country profile Aron Troen (Israel) Iodine and endocrine disruptors Barbara Demeneix (France) Milk iodine concentration in UK Simon Welham (United Kingdom) Iodine nutrition in Portuguese primary schools

ULTRASOUND COURSE

08.30-13.00

VENUE SAGE Two

08.00-08.10	Welcome, introduction to course and educational objectives Malcom Prentice, United Kingdom
08.10-08.30	Principles of US Colin Deane, United Kingdom
08.30-08.45	Demonstration - How to perform a US scan and basic anatomy of the neck David Richardson, United Kingdom
08.45-10.00	Hands on Session 1: Self/Normal thyroids (15 mins per candidate)
10.00-10.30	Risk stratification of thyroid nodules Paolo Vitti, Italy
COFFEE	
10.50-13.00	Hands on Session 2: (Rotation) Patient thyroids and Hands on US guided FNAC on neck phantoms
13.00	Debrief and course evaluation

Scientific Programme SATURDAY

13:45 - 14:00 **OPENING CEREMONY & WELCOME** SAGE One

Pilar Santisteban and Simon Pearce

14:00 - 16:00 **ORAL Session 1: Topic Highlights**

VENUE SAGE One

VENUE

Chair(s): Pilar Santisteban (Spain) & Simon Pearce (United Kingdom)

14:00 - 14:15	OP-01-01 Antigen-specific immune-modulation using TSH receptor peptides (ATX-GD-59) for Graves' hyperthyroidism: results of a 'first-in-human' study. Simon Pearce (United Kingdom)
14:20 - 14:35	OP-01-02 Development of a recombinant FRET-based biosensor to assess compartment-specific T3 levels in live cells Dorottya Németh (Hungary)
14:40 - 14:55	OP-01-03 Use of NanoString technology to define the immune profile of thyroid carcinoma Efisio Puxeddu (Italy)
15:00 - 15:15	OP-01-04 Local control of thyroid hormone availability determines cell fate decisions in the adult neural stem niche Cristina Luongo (France)
15:20 - 15:35	OP-01-05 Whole-genome methylation profiling of medullary thyroid cancer <i>Malgorzata Oczko-Wojciechowska (Poland)</i>
15:40 - 15:55	OP-01-06 Thyroid hormone analog therapy in patients with MCT8 deficiency:

the Triac Trial

Stefan Groeneweg (The Netherlands)

VENUE
alcony

P1-01-01 - 10	Autoimmunity - 1 Chair: Paul Banga (United Kingdom)
P1-02-11 - 20	Case report 1 Chair: Carla Moran (United Kingdom)
P1-03-21 - 32	Diagnosis 1 Chair: Malgorzata Oczko-Wojciechowska (Poland)

SATURD	
rogramme	
Scientific P	

VENUE SAGE One

fypothyroidism-1 Chair: Salman Razvi (United Kingdom)
Vodules-1 Chair: Endre Nagy (Hungary)
"hyroid Cancer Chair: Kalliopi Pazaitou-Panayiotou (Greece)

17:00 - 18:00 ETA Industry-sponsored Satellite SYMPOSIUM 1

Pharmacokinetics & Bioequivalence of L-T4 compounds

WELCOME and INTRODUCTION

George J. Kahaly (Germany) (5 Min)

Pharmacokinetics, pharmacovigilance, bioequivalence and requirements of the European Agency (EMA) for L-T4 compounds Hans-Peter Lipp (Germany) (20 Min)

FDA requirements and aimed 95 – 105 % range in the USA for L-T4 compounds James Hennessey (USA) (20 Min)

Discussion (15 Min)

MERCK (Global) organized and funded educational symposium

18:15 - 19:00 ETJ Lecture Chair: Wilmar Wiersinga (The Netherlands)	VENUE SAGE One
19:00 - 19:12 TRIBUTE to Theo Visser Robin Peeters (The Netherlands)	VENUE SAGE One
19:15 - 19:45 In remembrance of Reginald Hall Lecture	VENUE SAGE One

Anthony Weetman (United Kingdom)

19:45 - 22:00 WELCOME Reception VENUE Main Foyer

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07:00 - 08:00

ETA Industry-sponsored Satellite SYMPOSIUM 2

VENUE SAGE One

Can we achieve higher standards of care for patients with advanced RAI-R DTC? How good is your MDT?

07:00 - 07:10	Introduction Goal of the symposium and the panel Dr. Juan Carlos Galofré (Spain)
07:10 - 07:20	Introduction to case study Treatment of recurrent DTC
	Dr. Juan Carlos Galofré (Spain) & Dr. Markus Luster (Germany)
07:20 – 07:30	Continuation of the case study Monitoring of the RAI-R DTC patient – what does active surveillance actually look like
	Dr. Juan Carlos Galofré (Spain) & Dr. Rossella Elisei (Italy)
07:30 - 07:40	Continuation of the case study Preparation of the patient for potential TKI treatment
	Dr. Juan Carlos Galofré (Spain) & Dr. Marcia Brose (USA)
07:40 - 07:50	Continuation of the case study Supporting the patients on TKI therapy
07:50 - 08:00	Questions from the audience Dr. Juan Carlos Galofré (Spain)
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08:00	Close
EISAI organized and funded educational symposium	

#### 08:00 - 09:30 SYMPOSIUM 1 (Translational)

#### VENUE SAGE One

#### Selenium and thyroid disease

Chair(s): Laszlo Hegedüs (Denmark) & Margaret Rayman (United Kingdom)

08:00 - 08:30	<b>Current practice in use of selenium in Europe</b> Kristian Winther (Denmark)
08:30 - 09:00	<b>Selenium and thyroid disease susceptibility</b> Margaret Rayman (United Kingdom)
09:00 - 09:30	Selenium and the thyroid - knowns and unknowns Lutz Schomburg (Germany)

#### 08:00 - 09:30

#### SYMPOSIUM 2 (Basic)

#### VENUE Barbour Room

#### Thyroid hormone action through time

Chair(s): Laurent Sachs (France) & Nadia Schoenmakers (United Kingdom)

08:00 - 08:30	Evolution of thyroid hormone action Vincent Laudet (France)
08:30 - 09:00	Regulation of Thyroid hormone action during neuronal progenitor development Sylvie Remaud (France)
09:00 - 09:30	Thyroid hormone and eternal life? Anthony Hollenberg (USA)

#### 09:30 - 10:00 Coffee Break

#### 10:00 - 12:00

**ORAL Session 2: Pregnancy, and inherited thyroid disease** 

VENUE SAGE One

Chair(s): Stine Linding Andersen (Denmark) & Bijay Vaidya (United Kingdom)

10:00 - 10:10	OP-02-07 Pregnancy week specific reference ranges for TSH and free T4 during early pregnancy in a cohort of 10,438 anti-TPO and anti-Tg negative Danish pregnant women Stine Linding Andersen (Denmark)
10:15 - 10:25	OP-02-08 Effects of iodine nutrition of pregnant women on obsetric complication during pregnancy and intellectual development of offspring Zhongyan Shan (China)
10:30 - 10:40	OP-02-09 Similarities and differences of dietary and other determinants of iodine status in pregnant women from three European birth cohorts Mariana Dineva (United Kingdom)
10:45 - 10:55	OP-02-10 Controlled Antenatal Thyroid Screening (CATS) II: long-term cardiometabolic effects of treating maternal sub-optimal thyroid function Ilaria Muller (United Kingdom)
11:00 - 11:10	OP-02-11 Reference ranges and determinants of thyroid function during pregnancy: the SELMA study Arash Derakhshan (The Netherlands)
11:15 - 11:25	OP-02-12 The features of cytokine and steroid endometrium expression in women with autoimmune thyroid pathology and reproductive failures Ksenia Fris (Russian Federation)
11:30 - 11:40	OP-02-13 Preconceptional thyrotropin level and reproductive outcome of in vitro fertilisation in healthy euthyroid women Diana Grove-Laugesen (Denmark)
11:45 - 11:55	OP-02-14 Revisiting the diagnosis of Congenital Hypothyroidism: High incidence of thyroid dysfunction associated with mutations in DUOX2 and DUOXA2 in infants undetected by current UK national newborn screening cut points Nadia Schoenmakers (United Kingdom)

10:00 - 12:0	0 on 3: Targets of thyroid hormone action	VENUE Barbour Room
	a Chatteriee (United Kingdom) & Samuel Refetoff (USA)	Barbour Room
10:00 - 10:10	OP-03-15 Exogenous hyperthyroidism induces osteocytic osteo Elena Tsourdi (Germany)	olysis in male mice
10:15 - 10:25	OP-03-16 Non-genomic effects of thyroid hormones on mesence in tumour angiogenesis Kathrin Schmohl (Germany)	chymal stem cells
10:30 - 10:40	OP-03-17 Epigenetic Changes During Human Thyroid Cell Diffe Terry Davies (USA)	rentiation
10:45 - 10:55	OP-03-18 Hypothyroidism Sex-dependently Reverses Murine Ga Denise Zwanziger (Germany)	allstone Formation
11:00 - 11:10	OP-03-19 Beneficial effects of hypothyroidism on chronic press model in male mice Helena Rakov (Germany)	ure overload
11:15 - 11:25	OP-03-20 A novel THRA M256T mutation lacking T3/T4 discrime in a resistance to thyroid hormone alpha patient Karn Wejaphikul (The Netherlands)	ination found
11:30 - 11:40	OP-03-21 Protective and detrimental effects of experimental hy hyperthyroidism on myocardial infarct size and funct in mouse heart Janina Gassen (Germany)	
11:45 - 11:55	OP-03-22 The metabolic and thermoregulatory phenotype of m thyroid hormone receptor beta Lisbeth Harder (Germany)	lice lacking the

12:00 - 13:00 Poster Discussion & Lunch POSTER Discussion 2: P2-01-73 – P2-07-144		VENUE
		Balcony
P2-01-73 - 83	Diagnosis 2	

	Chair: Juan Carlos Galofré (Spain)
P2-02-84 - 93	Graves' Orbitopathy Chair: Marian Ludgate (United Kingdom)
P2-03-94 - 103	Hypothyroidism - 2 Chair: Orsolya Dohán (Hungary)
P2-04-104 - 114	Nodules-2 Chair: Gilles Russ (France)
P2-05-115 - 125	Thyroid Surgery and radioiodine Chair John Lazarus (United Kingdom)

VENUE

SAGE One

#### P2-06-126 - 134 Transport and Targets

Chair: Lars Moeller (Germany)

#### P2-07-135 - 144 Treatment

Chair: Rodrigo Moreno Reyes (The Netherlands)

#### 13:00 - 14:00

ETA Industry-sponsored Satellite SYMPOSIUM 3

#### **Thyroid Update**

Chair: George J. Kahaly (Germany)

13:00-13:05	Welcome Address and Introduction George J Kahaly (Germany)
13:05-13:20	Genomic Profile of Thyroid Cancer Pilar Santisteban (Spain)
13:20-13:35	Immune Reconstitution Thyroiditis Colin Dayan (United Kingdom)
13:35-13:50	Iodinated contrast media-induced hyperthyroidism Tomasz Bednarczuk (Poland)
13:50-14:00	General Discussion

BERLIN CHEMIE organized and funded educational symposium

#### 14:00 - 14:45





Clinical impact of thyroid function variation within the reference range Peter Taylor (United Kingdom) 14:00 - 14:45



VENUE Barbour Room

Noninvasive follicular thyroid neoplasm with papillary-like nuclear features (NIFTP): A changing paradigm in thyroid pathology Fulvio Basolo (Italy)

#### 14:00 - 14:45

Meet the **3** 

#### VENUE C9 The Kathrine Shears Studio

Thyroid hormone analogues, antagonists and inhibitors Riccardo Zucchi (Italy)

#### 14:00 - 14:45



VENUE SAGE Two

## Thyroid hormone, metabolism and longevity

Marie-Stéphanie Clerget-Froidevaux (France)

#### 15:00 - 17:00 VENUE SAGE One **Oral Session 4: Thyroid dysfunction** Chair(s): Eric Fliers (The Netherlands) & Anthony Hollenberg (USA) 15.00 - 15.10 OP-04-23 The influence of metformin and hypocaloric dieting on thyroid iodide uptake in healthy volunteers: a pilot study. Yvette Sloot (The Netherlands) 15.15 - 15.25 OP-04-24 Trends, Determinants and Associations of Treated Hypothyroidism in the United Kingdom, 2005 - 2014 Salman Razvi (United Kingdom) 15:30 - 15:40 **OP-04-25** Hyperthyroidism increases the risk of dementia, which partially relates to pre-existing morbidity - A register based cohort study of two large cohorts Lars Folkestad (Denmark) 15:45 - 15:55 OP-04-26 Thyroid hormone levels are associated with left ventricular structure derived from MRI in two population-based studies Till Ittermann (Germany) OP-04-27 16:00 - 16:10 Does mental vulnerability determine thyroid disease or vice versa? Lena Bjergved (Denmark) 16.15 - 16.25 OP-04-28 Reduced sensitivity to thyroid hormone as a transgenerational epigenetic phenomenon transmitted along the male line Joao Anselmo (Portugal) 16:30 - 16:40 OP-04-29 Dual effects of thyroid-stimulating hormone on metabolic syndrome and its components in euthyroid adults: a population-based thyroid studv Haoyu Wang (China) 16:45 - 16:55 OP-04-30 Impaired quality of life after radioiodine compared with anti-thyroid or surgery treatment for Graves' hyperthyroidism. A long-term follow-up with ThyPRO and SF-36. Göran Wallin (Sweden)

#### 15:00 - 17:00

#### **ORAL Session 5: Thyroid cancer basic**

VENUE Barbour Room

Chair(s): Christopher McCabe (United Kingdom) & Paula Soares (Portugal)

15:00 - 15:10 **OP-05-31** 

Unsaturated fatty acid synthesis is a metabolic feature of thyroid cancer-associated macrophages

Katrin Rabold (The Netherlands)

VENUE

SAGE One

15:15 - 15:25	OP-05-32 CXCL9 and CXCL11 chemokines modulation by IFN-gamma, TNF-alpha and PPAR-gamma in Papillary Thyroid Cancer Silvia Martina Ferrari (Italy)
15:30 - 15:40	OP-05-33 Expression of TERT in papillary thyroid cancer and biological effects of hTERT silencing in human papillary thyroid cancer cells Marilena Celano (Italy)
15:45 - 15:55	OP-05-34 VAV3 acts as a tumor suppressor in thyroid cancer Miguel Zaballos (Spain)
16:00 - 16:10	OP-05-35 Embryonic thyroid cells resist BRAFV600E-induced dedifferentiation Shawn Liang (Sweden)
16:15 - 16:25	OP-05-36 Dependence of thyroid tumorigenesis on miRNA processing by Dicer1 in vivo Elin Schoultz (Sweden)
16:30 - 16:40	OP-05-37 Proteomic changes in benign follicular adenoma versus malignant follicular variant of papillary thyroid carcinoma Corin Badiu (Romania)
16:45 - 16:55	OP-05-38 The six1 homeoprotein regulates the suppresive and oncogenic effect of tgfb pathway Adrian Acuña (Spain)

#### 17:00 - 18:00

#### ETA Industry-sponsored Satellite SYMPOSIUM 4

#### Latest Developments on Thyroid Cancer Management

Chair: Rossella Elisei (Italy)

Radioactive Iodine Therapy of Thyroid Cancer Patients with Lymph Node Involvement Claire Bournaud (France)

#### **Management of Advanced Medullary Thyroid Cancer** Jonathan Wadsley (United Kingdom)

Sanofi Genzyme organized and funded educational symposium

#### 18:00 - 18:40

Harrington-de Visscher Prize Lecture

Chair(s): Pilar Santisteban (Spain) and Colin Dayan (United Kingdom)

VENUE SAGE One Scientific Programme MONDAY

07:00 - 08:0	0	VENUE
ETA Industr	y-sponsored Satellite SYMPOSIUM 5	SAGE One
TOLD		
	ptor Functional Antibodies – An Update	
07:00 - 07:05	5 Welcome address and introduction	
07:05 - 07:20	George J Kahaly (Germany) TSH Receptor: Structure and Function	
07.03 07.20	Simon H Pearce (United Kingdom)	
07:20 - 07:35	-	
	George J Kahaly (Germany)	
07:35 – 07:50	· · · · · · · · · · · · · · · · · · ·	
	Tanja Diana (Germany)	
07:50 - 08:00		
	Moderation: George J Kahaly	
QUIDEL orga	anized and funded educational symposium	
08:00 - 09:3	0	VENUE
SYMPOSIUM	13 (Clinical)	SAGE One
	Thyroid cancer at different ages	
Chair(s): Laurer	nce Leenhardt (France) & Thera Links (The Netherlands)	
08:00 - 08:30	Histological and molecular age related differences	
	Paula Soares (Portugal)	
08:30 - 09:00	Paediatric differentiated thyroid cancer: outcomes of Thera Links (The Netherlands)	ftreatment
09:00 - 09:30	Therapeutic management and quality of life in the el	derly
	Daria Handkiewicz-Junak (Poland)	
08:00 - 09:3		VENUE
SYMPOSIUM	(Translational)	Barbour Room
	The future is in vivo	
Chair(s): Monic	a Dentice (Italy) & Jens Mittag (Germany)	
08:00 - 08:30	<b>Cell specific targeting of thyroid hormone receptors</b> <i>Federica Marelli (Italy)</i>	in zebrafish model
08:30 - 09:00	Cell specific targeting of thyroid hormone transporte	ers

- Heike Heuer (Germany)
- 09:00 09:30 Cell specific targeting of thyroid hormone metabolism John Howard Duncan Bassett (United Kingdom)

#### 09:30 - 10:00 Coffee Break

#### 10:00 - 12:00

#### **ORAL Session 6: Update in treatment of Thyroid Cancer**

VENUE SAGE One

Chair(s): Sophie Leboulleux (France) & Petros Perros (United Kingdom)

10:00 - 10:10	OP-06-39 Active surveillance in low risk papillary thyroid carcinoma: A multicenter cohort study in Korea Hye-Seon Oh (Republic of South Korea)
10:15 - 10:25	OP-06-40 Hypothalamic-pituitary-adrenal axis dysfunction in patients receiving tyrosine-kinase inhibitors for advanced thyroid cancer Carla Colombo (Italy)
10:30 - 10:40	OP-06-41 Recombinant human thyrotropin vs thyroid hormone withdrawal in radioactive iodine therapy of thyroid cancer patients with nodal metastatic disease: a large multicenter retrospective matched cohort study Laurence Leenhardt (France)
10:45 - 10:55	OP-06-42 Tailoring Lenvatinib treatment to increase response and to lower side effects Simone de Leo (Italy)
11:00 - 11:10	OP-06-43 Efficacy of tyrosine-kinase inhibitors (TKI) as second-line treatment in advanced thyroid cancer Filomena Barbato (Italy)
11:15 - 11:25	OP-06-44 Radioidine treatment after thyroid hormone withdrawal or rhTSH stimulation – a single centre retrospective study in disseminated thyroid cancer in paediatric patients Daria Handkiewicz-Junak (Poland)
11:30 - 11:40	<b>OP-06-45</b> <b>Papillary microcarcinomas (PMC):</b> <b>active surveillance and its impact on the quality of life</b> <i>Maria Cristina Campopiano (Italy)</i>
11:45 - 11:55	OP-06-46 Papillary thyroid (cT1aN0) micro-carcinomas managed with ultrasound-guided percutaneous ethanol ablation (UPEA): an effective alternative to neck surgery or observation Ian Hay (USA)

#### 10:00 - 12:00 ORAL Session 7: Thyroid Hormone Metabolism and Transport

VENUE Barbour Room

Chair(s): Balázs Gereben (Hungary) & Graham Williams (United Kingdom)

10:00 - 10:10	OP-07-47 Corticosterone affects thyroid hormones induced modification of the methylome
	Laurent Sachs (France)

10:15 - 10:25	OP-07-48 The upregulation of eNOS and NOX2, two target proteins of Caveolin-1, and of Deiodinase 3 is involved in the oxidative stress of Grave's orbital adipocytes Marie-Christine Many (Belgium)
10:30 - 10:40	OP-07-49 An epigenetic mechanism is involved in the effect of high iodine treatment during thyroid differentiation in development Jesús Morillo (Spain)
10:45 - 10:55	OP-07-50 Thyromimetic potential of novel TH analogs in primary neurons and in TH transporter deficient mice Eva Salveridou (Germany)
11:00 - 11:10	OP-07-51 3-iodothyronamine ameliorates ischemia-induced synaptic dysfunction in mouse entorhinal cortex Riccardo Zucchi (Italy)
11:15 - 11:25	OP-07-52 Deiodinase type 2 knockout zebrafish display hyperglycemia and signs of insulin resistance, associated with diabetes mellitus type 2 Veerle Darras (Belgium)
11:30 - 11:40	OP-07-53 The thyroid hormone receptor ß depletes the breast cancer stem cell population in estrogen-dependent MCF-7 cells Irene López-Mateo (Spain)
11:45 - 11:55	OP-07-54 Identification of thyroid hormone transporters in a human placental cell model Zhongli Chen (The Netherlands)

#### 12:00 - 13:00 Poster Discussion & Lunch POSTER Discussion 3: P3-01-145 - P3-07-210

P3-01-145 – 154	Autoimmunity-2 Chair: Michele Marino (Italy)
P3-02-155 – 159	Basic and Translational Chair: Cristina Romei (Italy)
P3-03-160 – 169	Case Reports and Clinical Features Chair: Maria Grazia Castagna (Italy)
P3-04-170 – 180	Diagnosis + Treatment Chair: Gabriella Pellegriti (Italy)
P3-05-181 – 190	<b>Nodules-3</b> Chair: Ulla Feldt-Rasmussen (Denmark)
P3-06-191 – 200	Pregnancy, Iodine and rare diseases Chair: Kristien Boelaert (Denmark)
P3-07-201 – 210	<b>Thyroid disease</b> Chair: Barbara Demeneix (France)

VENUE Balcony



14:45 - 15:00 Coffee Break

Scientific Programme MONDAY

#### 15:00 - 17:00 ORAL Session 8: Autoimmunity, Graves' Orbitopathy, Genetics

VENUE SAGE One

Chair(s): Mark Vanderpump (United Kingdom) & Milos Zarkovic (Serbia)

15:00 - 15:10	OP-08-55 T and B cells infiltrating orbital tissues in Graves' Orbitopathy (GO) and their relation with GO activity. A possible explanation for GO reponse to imunnosuppressive treatments <i>Michele Marino (Italy)</i>
15:15 - 15:25	OP-08-56 Dilution analysis of thyroid stimulating antibodies differentiates between Graves' thyroidal and orbital disease
15:30 - 15:40	Tanja Diana (Germany) OP-08-57 Blocking the TSH receptor with the human monoclonal autoantibody K1-70(TM) improves Graves' ophthalmopathy and aids control of advanced follicular thyroid carcinoma - results of long-term treatment under the first in human single patient expanded use therapy Jadwiga Furmaniak (United Kingdom)
15:45 - 15:55	OP-08-58 The optimal iodine intake is the protective factor for the positive thyroid autoantibodies: An epidemiological survey of 31 provinces in China Weiping Teng (China)
16:00 - 16:10	OP-08-59 Death by suicide is increased in patients with Hashimoto's thyroiditis. A nationwide register-based study Marianne Thvilum (Denmark)
16:15 - 16:25	OP-08-60 Comparison of the treatment effect between thiamazole and potassium iodide for newly diagnosed Graves' disease Nami Suzuki (Japan)
16:30 - 16:40	OP-08-61 Thyroid dysfunction during PD-1 blockade treatment have important role in predicting the efficacy of PD-1 blockade in addition to PD-L1 expression Hye In Kim (Republic of South Korea)
16:45 - 16:55	OP-08-62 Investigation of Novel biomarkers and Definition of role of the microbiome in Graves' Orbitopathy (INDIGO): the probiotic trial Mario Salvi (Italy)

#### 15:00 - 17:00

#### **ORAL Session 9: Thyroid cancer translational**

VENUE Barbour Room

Chair(s): Cosimo Durante (Italy) & Dagmar Führer-Sakel (Germany)

15:00 - 15:10	OP-09-63 TERT promoter mutations and their association with factors of poor prognosis in papillary thyroid carcinoma- based on Polish patients Dagmara Rusinek (Poland)
15:15 - 15:25	OP-09-64 Molecular profiling of thyroid nodule fine-needle aspiration cytology through PTC Mass Array genotyping platform Marina Muzza (Italy)
15:30 - 15:40	OP-09-65 Hyperthyroidism and papillary thyroid carcinoma in thyroid stimulating hormone receptor D633H mutant mice Holger Jäschke (Germany)
15:45 - 15:55	OP-09-66 Mutational Profile of a Large Series of Sporadic Medullary Thyroid Carcinomas by Next Generation Targeted Sequencing Raffaele Ciampi (Italy)
16:00 - 16:10	OP-09-67
10.00 10.10	Targeting Claudin-1 Overexpressing Papillary Thyroid Carcinoma by Modified Clostridium Perfringens Enterotoxin Denise Zwanziger (Germany)
16:15 - 16:25	Targeting Claudin-1 Overexpressing Papillary Thyroid Carcinoma by Modified Clostridium Perfringens Enterotoxin
	Targeting Claudin-1 Overexpressing Papillary Thyroid Carcinoma by Modified Clostridium Perfringens Enterotoxin Denise Zwanziger (Germany)OP-09-68 Genetic variants of PARP4 gene in patients affected with multiple primary tumors including thyroid cancers

#### 17:10 - 17:50 PINCHERA PRIZE Lecture

Chair(s): Pilar Santisteban (Spain) & Colin Dayan (United Kingdom)

 18:00 - 19:15
 VENUE

 GENERAL ASSEMBLY
 SAGE One

VENUE SAGE One Scientific Programme TUESDAY

#### 07:00 - 08:00

**Short Call Abstracts** 

Chair: Leonidas Duntas (Greece)

00.00 00.0		
08:00 - 08:2	.5 GRANT 2016 - Winner Presentations	VENUE SAGE One
	Dayan (United Kingdom)	SAGE One
08:00 - 08:08	Role of the NADPH oxydase 4 (NOX4) in the repression of t gene encoding the Sodium/Iodide Symporter (NIS) in BRA mutated papillary thyroid cancers. <i>Camille Buffet (France)</i>	
08:08 - 08:16	<b>The regulation of type 3 deiodinase during inflammation</b> <i>Anita Boelen (The Netherlands)</i>	
08:16 - 08:25	A novel iodine-129 tracer method to quantify iodine absor- retention and excretion in humans Valeria Galetti (Switzerland)	rption,
08:30 - 10:3	0	VENUE
ORAL Sessi	on 10: Young Investigators /	SAGE One
	Clinical + Translational	
Chair(s): Colin	Dayan (United Kingdom) & Leonidas Duntas (Greece)	
08:30 - 08:44	<b>OP-10-71</b> <b>Duration of hyperthyroidism and lack of treatment are ass</b> <b>increased risk of cardiovascular disease and death.</b> Mads Lillevang-Johansen (Denmark)	ociated with
08:49 - 09:03	OP-10-72 Digoxin treatment induces tumor redifferentiation and aug radioactive iodide uptake in a mouse model of BrafV600E- thyroid cancer Marika Tesselaar (The Netherlands)	
09:08 - 09:22	OP-10-73 Maternal iodine status and child IQ: a meta-analysis of ind participant data from three population-based birth cohort Deborah Levie (The Netherlands)	
09:27 - 09:41	OP-10-74 Repeated momentary measurements of thyroid-related qu via a smartphone application Victor Brun Boesen (Denmark)	ality of life

09:46 - 10:00 **OP-10-75** 

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0.00	01-10-75
	Lenvatinib Therapy in Progressive, Radioiodine-Refractory,
	Differentiated Thyroid Carcinoma: analysis of 74 cases followed
	in a single centre
	Carlotta Giani (Italy)

#### VENUE SAGE One

#### 08:30 - 10:30

#### **ORAL Session 11**: Young Investigators / Basic

VENUE Barbour Room

Chair(s): J. H. Duncan Bassett (United Kingdom) & Balázs Gereben (Hungary)

08:30 - 08:44	OP-11-77 Gestational and early postnatal hypothyroidism arrest angiogenesis and glymphatic system development in the neocortex of rats Federico S. Lucia (Spain)
08:49 - 09:03	OP-11-78 Rapid vasodilation is a physiological effect of noncanonical thyroid hormone receptor alpha action Daniela Geist (Germany)
09:08 - 09:22	OP-11-79 Browning of white adipose tissue is mediated by canonical thyroid hormone receptor beta signaling Sebastian Hoenes (Germany)
09:27 - 09:41	OP-11-80 Ectopic expression of the human TRbeta2 affects the commitment of L-cone identity in the zebrafish, in an isoform-specific manner Federica Marelli (Italy)
09:46 - 10:00	OP-11-81 TAZ/WWTR1 and Pax8 elicit a crosstalk mechanism on NIS expression and function Celia Fernández Méndez (Spain)
10:05 - 10:19	OP-11-82 MCT8 deficiency disturbs early retinal development and results in a shift to more blue light-sensitive cones at the expense of green/red light-sensitive cones Pieter Vancamp (Belgium)

#### 10:30 - 11:00 Coffee Break & Lunch

# 11:00 - 13:00 VENUE ORAL Session 12: Clinical features and diagnostic approach of thyroid cancer SAGE One

Chair(s): Laura Fugazzola (Italy) & Johannes W. A. Smit (The Netherlands)

11:00 - 11:10	OP-12-83 Is serum TSH a marker of thyroid carcinoma in patients with thyroid nodular disease? - A Danish multicentre study Kristine Zøylner Swan (Denmark)
11:15 - 11:25	OP-12-84 Calcitonin doubling time (CT-DT) may not be indicative of disease progression and survival in patients with metastatic Medullary Thyroid Carcinoma (MTC) George Simeakis (Greece)
11:30 - 11:40	OP-12-85 Presentation and clinical outcome of familial non-medullary thyroid carcinoma (FNMTC) according to the number of affected family members Noemi Fralassi (Italy)

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11:45 - 11:55	OP-12-86 Familiarity as a new prognostic factor in the risk stratification of thyroid microcarcinoma Chiara Secchi (Italy)
12:00 - 12:10	OP-12-87 Recurrence rates after low dose radioiodine ablation for differentiated thyroid cancer within a multicentre randomized trial Ujjal Mallick (United Kingdom)
12:15 - 12:25	OP-12-88 Obesity and Differentiated Thyroid Cancer (DTC): correlation between Body Mass Index (BMI) and histopathological features Marianna Beghini (Italy)
12:30 - 12:40	OP-12-89 Predictors of persistent or recurrent disease in 4,292 patients with differentiated thyroid cancer Gabriella Pellegriti (Italy)
12:45 - 12:55	OP-12-90 Noninvasive follicular thyroid neoplasm with papillary-like nuclear features (NIFTP): impact of the reclassification for the risk of malignancy in the Bethesda System for Reporting Thyroid Cytopathology Mara Ventura (Portugal)

#### 11:00 - 13:00 ORAL Session 13: The thyroid and thyroid hormone

VENUE

Chair(s): Simon Pearce (United Kingdom) & Domenico Salvatore (Italy)

11:00 - 11:10	<b>OP-13-91</b> <b>Crystal structure of ligand-free TSH receptor</b> Jennifer Miller-Gallacher (United Kingdom)
11:15 - 11:25	OP-13-92 Pro-inflammatory effect of Hyaluronan oligosaccharides (6-mer-HA) in human thyrocytes and fibroblasts: role of Toll-like 2 (TLR-2) and 4 (TLR-4) receptors Rosaria Ruggeri (Italy)
11:30 - 11:40	OP-13-93 Class III PI3K/Vps34 is crucial for thyroid hormonogenesis Christophe Pierreux (Belgium)
11:45 - 11:55	OP-13-94 Complex chromosomal rearrangement and segmental maternal UPD at chromosome 7 in a patient with Pendred Syndrome and Silver-Russell Syndrome-like features Valentina Cirello (Italy)
12:00 - 12:10	OP-13-95 Partial thyrocyte-specific G protein alpha s deficiency leads to severe hypothyroidism, hyperplasia and papillary thyroid carcinoma-like lesions in mice Konrad Patyra (Finland)

OP-13-96 Sox9 regulates Wnt/Beta-catenin pathway activity through modulation of TCF4 in thyroid follicular cells Carlos Carrasco López (Spain)
OP-13-97 A feedback loop between the tumor supressor DICER1 and thyroid differentiation transcription factors plays an important role in thyroid tumorigenesis Julia A. Ramirez-Moya (Spain)
OP-13-98 Unraveling the Sonic-Hedgehog-Glis3 pathway involvement in the specification of the thyroid gland in zebrafish and in the pathogenesis of congenital hypothyroidism <i>Giuditta Rurale (Italy)</i>

#### 13:10 - 14:40

#### SYMPOSIUM 5 (Clinical) Treating thyroid disease in pregnancy: new evidence on benefits and risks

Chair(s): Alicja Hubalewska-Dydejczyk (Poland) & Peter Taylor (United Kingdom)

13:10 - 13:40	<b>Current obstetric practice</b> Ines Velasco (Spain)
13:40 - 14:10	<b>Foetal outcomes</b> Tim Korevaar (The Netherlands)
14:10 - 14:40	<b>Obstetric outcomes</b> Kristien Boelaert (United Kingdom)

#### 13:10 - 14:40 SYMPOSIUM 6 (Basic) Recent advances in thyroid cancer research

VENUE Barbour Room

VENUE

SAGE One

Chair(s): Miguel Melo (Portugal) & Garcilaso Riesco-Eizaguirre (Spain)

13:10 - 13:40	<b>Thyroid cancer heterogeneity</b> Laura Fugazzola (Italy)
13:40 - 14:10	<b>Epigenetic mechanisms in thyroid cancer</b> Mercedes Robledo (Spain)
14:10 - 14:40	<b>Thyroid cancer stem cells</b> Giorgio Stassi (Italy)

#### 14:40 - 15:00

#### **PRIZE CEREMONY and Closure**

Chair(s): Laszlo Hegedüs (ETA President) & Leonidas Duntas (ETA Secretary)

VENUE

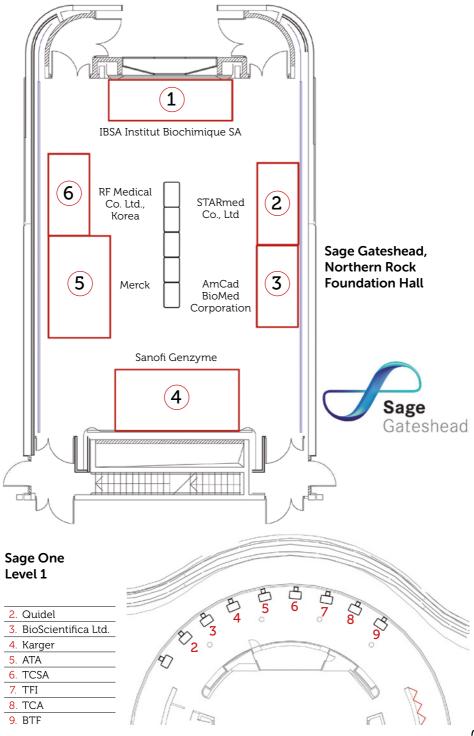
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