



SCIENTIFIC PROGRAMME @ August 2003

Saturday 18 October

14.00 – 20.00hrs	Registration	Strathblane Hall
18.30 – 20.00hrs	Welcome Reception & Meet the Exhibitors	Cromdale Hall

Sunday 19 October

07.00 – 18.30hrs	Registration Open	Strathblane Hall
08.00 – 18.30hrs	Exhibition Open	Cromdale Hall
08.00 – 08.15hrs	Opening Ceremony	Pentland Auditorium

08.15 – 10.35hrs	Oral Session 1: Topic Highlights 1	Pentland Auditorium
	Moderators: G Vecchio (Naples, Italy) & A Toft (Edinburgh, United Kingdom)	

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| 08.15-08.35 | 1 | ANALYSIS OF TRANSGENIC MICE EXPRESSING A DOMINANT NEGATIVE MUTANT THYROID HORMONE RECEPTOR IN THYROID
<i>Nishiyama K, Baba S, Matsushita A, Nakano A, Kashiwabara Y, Nagayama K, Sasaki S, Nakamura H</i>
<i>Hamamatsu University School of Medicine, Japan</i> |
| 08.35-08.55 | 2 | EXPRESSION AND REGULATION OF EXPRESSION OF THE PUTATIVE THYROID APICAL IODIDE TRANSPORTER, A.I.T
<i>(1,2&3) Porra V, (1) Durand C, (2) Giroud H, (3) Berger-Dutrieux N, (3) Peix J-L, (3) Perrin A, (1&3) Bournaud C, (3) Borson-Chazot F, (1,2&3) Rousset B (1) UMR 369 INSERM, Lyon, France (2) Hôpital Edouard-Herriot, Lyon, France (3) Lyon Thyroid Tumor Bank, Lyon, France</i> |
| 08.55-09.15 | 3 | REPRESSION OF THE EXPRESSION OF PPAR γ AND ITS TRANSCRIPTION ACTIVITY DURING THYROID CARCINOGENESIS IN MICE WITH A TARGETED MUTATION IN THE TR β GENE
<i>Ying H, Suzuki H, Willingham M, Cheng S-Y, NCI, NIH, Bethesda, USA</i> |
| 09.15-09.35 | 4 | MUTATIONS IN A THYROID HORMONE TRANSPORTER IN TWO YOUNG BOYS WITH SEVERE PSYCHOMOTOR RETARDATION AND HIGH SERUM T3 LEVELS
<i>(1) Friesema E, (2) Grueters A, (3) Ganguly S, (3) Halestrap A, (4) Reeser M, (1) Visser T (1) Erasmus MC, Rotterdam, The Netherlands, (2) Charite Children's Hospital, Berlin, Germany, (3) University of Bristol, United Kingdom, (4) Juliana Children's Hospital, The Hague, The Netherlands</i> |
| 09.35-09.55 | 5 | DYNAMIC CHANGES IN THYROID STIMULATING AND BLOCKING ANTIBODIES OVER TIME IN THE MURINE MODEL OF GRAVES' DISEASE
<i>Muehlberg T, Gilbert JA, Rao PV, McGregor AM, Banga JP, Division of Medicine, GKT School of Medicine, King's College London, United Kingdom</i> |
| 09.55-10.15 | 6 | FUNCTIONAL EXPRESSION OF TSHr IN FIBROBLASTS FROM TAO PATIENTS AFTER ADIPOCYTIC DIFFERENTIATION
<i>Agretti P, De Marco G, Ferrarini E, Dimida A, Gianetti E, Marcocci C, Vittori P, Pinchera A, Tonacchera M, University of Pisa, Pisa, Italy.</i> |
| 10.15-10.35 | 7 | LONG-TERM EFFICACY OF ULTRASOUND-GUIDED ETHANOL ABLATION OF NECK NODAL METASTASES (NNM) IN TNM STAGE I PAPILLARY THYROID CANCER (PTC) PATIENTS RESISTANT TO CONVENTIONAL THERAPY
<i>Hay ID, Charboneau JW, Reading CC, McIver B, Goellner JR, Mayo Clinic, Rochester, Minnesota, USA</i> |

10.35-11.00hrs	Coffee Break	Cromdale Hall
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11.00-13.00hrs	Symposium 1: Novel Therapies for Thyroid Cancer	Pentland Auditorium
	Moderators: G Thomas (Swansea, United Kingdom), G Beckett (Edinburgh, United Kingdom)	

INTRODUCTION AND THE CLINICAL USE OF HDACI IN THYROID CANCER
R M Tuttle (New York, USA)

MOLECULAR TARGETING THERAPY FOR p53 MUTATED THYROID CANCERS
S Yamashita (Nagasaki, Japan)

TYROSINE KINASE INHIBITION AS A TREATMENT FOR THYROID CANCER
F Carlomagno (Naples, Italy)

IMMUNOTHERAPY OF MEDULLARY THYROID CARCINOMA – AN OVERVIEW
M Vitale (Naples, Italy)

Sunday continued

13.00 – 14.00hrs Lunch & Poster Viewing

Cromdale Hall

14.00 – 15.00hrs **Special Lecture**

Pentland Auditorium

REACHING FOR THE FINAL PIECE - A NEW DAWN IN ENDOCRINOLOGY
S Y Shu (Stanford, USA)

15.00 – 16.00hrs **Poster Discussion Sessions 1 – 4**

Poster Session 1: Cancer I
Poster Session 2: Clinical I
Poster Session 3: Molecular Biology
Poster Session 4: Autoimmunity

Moderator: J Smit (Leiden, The Netherlands)
Moderator: M Alevizaki (Athens, Greece)
Moderator: M Zannini (Naples, Italy)
Moderator: P Vitti (Pisa, Italy)

Cromdale Hall
Pentland Auditorium
Carrick Room
Harris Room

16.00 – 16.30hrs **Coffee Break**

16.30 – 18.30hrs **Oral Session 2: Cancer I**

Pentland Auditorium

Moderators: R Elisei (Pisa, Italy) J Forsythe (Edinburgh, United Kingdom)

- 16.30-16.45 8 THYROGLOBULIN AND TUMOR CLASS AT ABLATION CAN PREDICT THE RESULTS OF INITIAL TREATMENT (THYROIDECTOMY AND THYROID ABLATION) IN DIFFERENTIATED THYROID CANCER
(¹Castagna MG, (¹ Agate L, (¹Molinaro E, (¹Ceccarelli C, (²F.Pacini, (¹Nencetti C, (¹Taddei D, (¹Grasso L, (¹Elisei R, (¹ University of Pisa, Pisa, Italy, (²University of Siena, Siena, Italy
- 16.45-17.00 9 RECOMBINANT HUMAN-THYROTROPIN IN THE FOLLOW-UP OF DIFFERENTIATED THYROID CARCINOMA: A MULTICENTER STUDY
(¹Bodini I, (¹Castello R, (¹Davi' MV, (¹Ferdeghini M, (¹Francia G, (²Furlani L, (³Mazzucca N, (¹Moggetti P, (⁴Russo R, (²Zamboni M, (¹Zuffante M, (⁴Coli A (¹Università e Azienda Ospedaliera di Verona, Verona, Italy (²Ospedale Sacro Cuore -Don G Calabria Negrar, Verona, Italy (³ASL Grosseto, Verona, Italy, (⁴ASL La Spezia, Verona, Italy
- 17.00-17.15 10 RETINOIDS IN RADIOIODINE NEGATIVE DIFFERENTIATED THYROID CANCER (DTC) PATIENTS
(¹ Toubert ME, (¹Darsin D, (¹ Cassinat B, (² Tenenbaum F, (³ Corone C, (¹ Rain J-D, (¹ Chomienne C (¹ Saint-Louis Hospital, Paris, France (²Cochin Hospital, Paris, France (³René Huguenin, St Cloud, France
- 17.15-17.30 11 VIROTHERAPY: A PROMISING APPROACH FOR THE TREATMENT OF THYROID ANAPLASTIC CARCINOMA
Portella G, Libertini SL, Università Federico II, Naples, Italy
- 17.30-17.45 12 AGE-DEPENDENT VARIATION OF FOLLICULAR SIZE AND EXPRESSION OF IODINE TRANSPORTERS IN HUMAN THYROID TISSUE: A CLUE FOR THE HIGH SENSITIVITY OF CHILDHOOD THYROID TO THE CARCINOGENIC EFFECTS OF RADIOIODINE
Faggiano A, Coulot J, Bellon N, Talbot M, Caillou B, Ricard M, Bidart J-M, Schlumberger M, Institut Gustave Roussy, University Paris XI, Villejuif Cedex, France
- 17.45-18.00 13 SMALL NECK RECURRENCES IN PATIENTS WITH DIFFERENTIATED THYROID CANCER (DTC) ARE ACCURATELY DIAGNOSED BY THE MEANS OF ULTRASONOGRAPHY (US) AND FINE NEEDLE ASPIRATION BIOPSY (FNAB)
(¹Molinaro E, (³Biscolla RP, (¹Taddei D, (¹Grasso L, (¹Nencetti C, (²Pacini F, (¹Elisei R, (¹University of Pisa, Pisa Italy (²University of Siena, Siena, Italy (³Fellowship from Federal University of Sao Paulo, Brazil, CAPES' program
- 18.00-18.15 14 MULTIDRUG-RESISTANCE PROTEIN 2 (MRP-2) EXPRESSION IN MEDULLARY THYROID CARCINOMA.
(¹Trovato M, (^{2,3} Sciacchitano S, (¹ Barresi G, (¹ Trimarchi F, (¹ Benvenga S, (¹ Ruggeri RM (¹ University of Messina, Messina, Italy (²Università La Sapienza di Roma, Rome, Italy (³ Osp.S.Pietro Fatebenefratelli, AfaR, Rome
- 18.15-18.30 15 THE ROLE OF GALECTIN-3 IN DIFFERENTIAL DIAGNOSIS AND PROGNOSIS OF FOLLICULAR THYROID TUMORS.
Antonova S, Jushkov P, Troshina E, Egoricheva E, Abdoulkhabirova F, Abesadze I, The Russian Scientific Endocrinology Center of Russian Academy of Medical Sciences(RSCE of RAMS), Moscow, Russia
- 19.30- 23.00hrs **Whisky Tasting & Buffet Supper, The Hub (Ticket holders only)**

Monday 20 October

07.30 – 18.30hrs Registration Open
08.30 – 18.30hrs Exhibition Open

Strathblane Hall
Cromdale Hall

08.30 – 10.30hrs Oral Session 3: Cancer II

Pentland Auditorium

Moderators: E D Williams (Cambridge, United Kingdom), J Zedenius (Stockholm, Sweden)

- 08.30-08.45 16 GENE EXPRESSION PROFILING IN PAPILLARY THYROID CARCINOMA AND RELATION TO THE PRESENCE OF RET REARRANGEMENTS
⁽¹⁾Jarżab B, ⁽¹⁾Wiench M, ⁽²⁾Fujarewicz K, ⁽²⁾Simek K, ⁽¹⁾Jarżab M, ⁽¹⁾Oczko M, ⁽¹⁾Czarniecka A, ⁽¹⁾Szpak S, ⁽¹⁾Gubala E, ⁽¹⁾Wloch J, ⁽²⁾Swierniak A, ⁽¹⁾Maria Skłodowska-Curie Memorial Institute, Gliwice, Poland ⁽²⁾Institute of Automatics, Silesian Technical University, Gliwice, Poland
- 08.45-09.00 17 MOLECULAR PROFILING OF RET/PTC THYREOCYTES REVEALS FUNCTIONAL AUTOCRINE/PARACRINE LOOPS INVOLVING PRO-INFLAMMATORY CYTOKINES AND CHEMOKINES
⁽¹⁾Melillo RM, ⁽²⁾Castellone MD, ⁽²⁾Guarino V, ⁽²⁾De Falco V, ⁽¹⁾Cirafici AM, ⁽²⁾Caiazza F, ⁽³⁾Orntoft T, ⁽³⁾Kruhofer M, ⁽²⁾Fusco A, ⁽²⁾Vecchio G, ⁽²⁾Santoro M ⁽¹⁾IEOS, CNR, ⁽²⁾DBPCM, Università di Napoli Fredrico II, Naples, Italy ⁽³⁾University of Aarhus, Aarhus, Denmark
- 09.00-09.15 18 P53 MEDIATED GROWTH ARREST IN RESPONSE TO TELOMERE EROSION IS RETAINED IN A SUBSET OF HUMAN CANCER CELL LINES.
⁽¹⁾Preto A, ⁽²⁾Haughton M, ⁽²⁾Singhrao S, ⁽²⁾Kipling D, ⁽²⁾Wynford-Thomas D, ⁽²⁾Jones C J ⁽¹⁾Institute of Molecular Pathology and Immunology of the University of Porto (IPATIMUP), Porto, Portugal, ⁽²⁾University of Wales College of Medicine (UWCM), Cardiff, United Kingdom
- 09.15-09.30 19 BRAF MUTATIONS ARE ASSOCIATED WITH SOME HISTOTYPES OF PAPILLARY THYROID CARCINOMA.
^(1,2)Soares P, ⁽³⁾Castro IV, ⁽¹⁾Trovisco V, ⁽¹⁾Máximo V, ⁽¹⁾Silva P, ⁽⁴⁾Magalhães J, ⁽⁵⁾Abrosimov A, ⁽⁶⁾Matias- Guiu X, ^(1,2,4)Sobrinho-Simões M. ⁽¹⁾IPATIMUP (Institute of Molecular Pathology and Immunology of the University of Porto) Porto, Portugal ⁽²⁾University of Porto, Porto, Portugal ⁽³⁾University of São Paulo, São Paulo, Brasil ⁽⁴⁾Hospital São João, Porto, Portugal ⁽⁵⁾Hospital Sant Pau, Barcelona, and Hospital Clinic, Lerida, Spain ⁽⁶⁾Medical Radiology Research Center, Russian Academy of Medical Sciences, Obninsk, Russia
- 09.30-09.45 20 CLINICAL IMPLICATION OF HOT SPOT BRAF MUTATION, V599E, IN PAPILLARY THYROID CANCERS
⁽²⁾Namba H, ⁽¹⁾Ohtsuru A, ⁽²⁾Yamashita S, ⁽¹⁾International Hibakusha Medical Center, Nagasaki University Hospital, Nagasaki, Japan, ⁽²⁾Molecular Medicine, Atomic Bomb Disease Institute, Nagasaki University, Nagasaki, Japan
- 09.45-10.00 21 THE THYROID HORMONE RECEPTORS SUPPRESS RAS MEDIATED TRANSFORMATION AND TUMORIGENESIS
Garcia-Silva S, Martinez-Iglesias O, Aranda A, Instituto de Investigaciones Biomédicas, CSIC-UAM, Madrid, Spain
- 10.00-10.15 22 EXPRESSION OF PNDRI IN BENIGN AND MALIGNANT THYROID TISSUES
⁽¹⁾Skubis-Zygadlo J, ⁽¹⁾Sobkowicz A, ⁽¹⁾Lyczkowska A, ⁽²⁾Przytula E, ⁽²⁾Bardadin K, ⁽¹⁾Uchman M, ⁽³⁾Wenzel B, ⁽¹⁾Czarnocka B ⁽¹⁾Medical Centre of Postgraduate Education Department Biochemistry, ⁽²⁾Department Pathology, Warsaw, Poland ⁽³⁾Department of Medicine, University Lübeck, Germany
- 10.15-10.30 23 EXPRESSION OF AN ANTI-APOPTOSIS GENE SURVIVIN IN HUMAN THYROID
Chen Z, Trojanowicz B, Mustafa T, Brauckhoff M, Gimm O, Dralle H, Hoang-Vu C, Martin-Luther-University Halle-Wittenberg, Halle, Germany

10.30 – 11.00hrs Coffee Break

Cromdale Hall

11.00 – 12.00hrs Merck Prize Lecture

Pentland Auditorium

12.00 – 13.00hrs Lunch & Poster Viewing

Cromdale Hall

13.00 – 14.00hrs Poster Discussion Sessions 5 - 8

Poster Session 5: Cancer II

Moderator: G Thomas (Swansea, United Kingdom)

Cromdale Hall

Poster Session 6: Cancer III

Moderator: M Santoro (Naples, Italy)

Cromdale Hall

Poster Session 7: Clinical II

Moderator: A Rasmussen (Copenhagen, Denmark)

Carrick Room

Poster Session 8: Cell Biology I

Moderator: P Roger (Brussels, Belgium)

Harris Room

13.00 – 14.00hrs Meet the Expert 1:

Thyroid Hormones and Psychiatry

Pentland Auditorium

H Perrild (Copenhagen, Denmark)

Monday Continued

14.00 – 16.00hrs Symposium 2: Ionizing Radiation: Radiobiological Effects and Implications for the Clinical Use of Iodine-131 in Benign Thyroid Disease Pentland Auditorium

Moderators: L Hegedus (Odense, Denmark), M Nilsson (Göteborg, Sweden)

CELLULAR AND MOLECULAR RESPONSES TO IONIZING RADIATION

E Wright (Dundee, United Kingdom)

MECHANISMS OF IODIDE TRANSPORT AND EFFECTS OF Iodine-131 ON THYROID CELLS

J M Bidart (Villejuif, France)

EFFECTS OF Iodine-131 IN BENIGN NODULAR THYROID DISEASE

A D R Hermus (Nijmegen, The Netherlands)

SIDE EFFECTS OF RADIOIODINE IN BENIGN THYROID DISEASE

J Franklyn, (Birmingham, United Kingdom)

16.00 – 16.30hrs Coffee Break Cromdale Hall

16.30 – 18.30hrs Oral Session 4: Clinical I Pentland Auditorium

Moderators: G Brabant (Hannover, Germany), A Patrick (Edinburgh, United Kingdom)

- 16.30-16.45 24 EVALUATION OF MOTOR CORTEX EXCITABILITY (MCE) BY TRANSCRANIAL MAGNETIC STIMULATION (TMS) IN ADULT PRIMARY HYPOTHYROIDISM.
Quartarone A, Rizzo V, Bagnato S, Bartolone L, Ruggeri RM, Lapa D, Giralda P, Trimarchi F, Benvenega S University of Messina, Messina, Italy
- 16.45-17.00 25 BODY MASS INDEX IS ASSOCIATED WITH THYROID FUNCTION IN AN UNSELECTED POPULATION
(1) Knudsen N, (1) Perrild H, (2) Laurberg P, (2) Bülow I, (3) Ovesen L, (4) Jørgensen T (1) Bispebjerg University Hospital, Copenhagen, Denmark (2) Aalborg Hospital, Aalborg, Denmark (3) Danish Institute for Nutrition, Søborg, Denmark (4) Centre for Preventive Medicine, Glostrup, Denmark
- 17.00-17.15 26 A FRENCH MULTICENTRIC PROSPECTIVE RANDOMISED EVALUATION OF LEVOTHYROXINE, POTASSIUM IODIDE, AND LEVOTHYROXINE+POTASSIUM IODIDE IN THE MANAGEMENT OF NON NODULAR SIMPLE GOITERS. 307 patients.
(1) Wémeau JL, (1) Archambeaud F, (1) Conte-Devolx B, (2) Cousty C, (1) Daumerie C, (1) Delemer B, (1) Rohmer V, (1) Sadoul JL, (1) Schwartz C, (1) Vakanas S, (1) Velkeniers B, (1) Vlaeminck-Guillem V (1) The French Thyroid Research Group, (2) Merck-Lipha Company, France
- 17.15-17.30 27 DEVELOPMENT OF A DRIED WHOLE BLOOD SPOT THYROGLOBULIN ASSAY AND ITS EVALUATION AS AN INDICATOR OF THYROID STATUS IN GOITROUS CHILDREN RECEIVING IODIZED SALT
Zimmermann MB, Moretti D, Laboratory for Human Nutrition, Swiss Federal Institute of Technology, Zurich, Switzerland
- 17.30-17.45 28 MULTINODULAR GOITER (MNG) TREATMENT WITH AMBULATORY 131I DOSES WITH THE AID OF RECOMBINANT HUMAN TSH (rhTSH, ThyrogenR)
(1) Graf H, (1) Mesa C, (1) Albino C (1) Federal University of Parana - Brazil (2) Endocrine and Diabetes Unit of Maringá, Curitiba, Brazil
- 17.45-18.00 29 TREATMENT OF RECURRENT THYROID CYSTS WITH ETHANOL - A DOUBLE-BLIND RANDOMIZED CONTROLLED TRIAL
Hegedüs L, Bennedbaek FN, University of Odense, Odense, Denmark
- 18.00-18.15 30 EFFICACY OF RADIOIODINE TREATMENT ASSOCIATED OR NOT WITH LITHIUM: A RANDOMIZED TRIAL IN 80 PATIENTS WITH MULTINODULAR NON TOXIC GOITER
(1) Vannucchi G, (1) Mannavola D, (1) Cerutti N, (2) Travaini LL, (2) Chiti A, (1) Beck-Peccoz P, (1) Fugazzola L (1) Institute of Endocrine Sciences, University of Milan and Ospedale Maggiore IRCCS, Milan, Italy (2) Nuclear Medicine, Istituto Clinico Humanitas, Milan, Italy
- 18.15-18.30 31 WESTON AREA T4/T3 (THYROID HORMONE REPLACEMENT) STUDY: PSYCHOLOGICAL EFFECTS OF COMBINED REPLACEMENT THERAPY
(1) Saravanan P, (1) Simmons DJ, (2) Greenwood R, (3) Peters TJ, (1) Dayan CM, University Research Centre for Neuroendocrinology, University of Bristol (2) RDSU, Bristol Royal Infirmary Dept of Primary Care (3) University of Bristol, Bristol, United Kingdom

16.30 – 18.30hrs Oral Session 5: Molecular & Cellular Biology Carrick Room

Moderators: O Bakker (Amsterdam, The Netherlands), M Ludgate (Cardiff, United Kingdom)

- 16.30-16.45 32 A NEW MUTATION IN THE TRANSCRIPTION FACTOR NKX2.5 AS POSSIBLE CAUSE FOR THYROID DYSGENESIS
(1,2) Dentice M, (1) Luongo C, (1) Ferrara AM, (1) Salvatore D, (3) Chiovato L, (1) Fenzi GF, (1) Macchia PE, (1) Dipartimento di Endocrinologia ed Oncologia Molecolare e Clinica (2) Dip. Biologia e Patologia Cellulare e Molecolare, Università di Napoli Federico II, Naples, Italy, (3) Fondazione Salvatore Maugieri IRCCS, Pavia, Italy
- 16.45-17.00 33 DREAM IS A TRANSCRIPTIONAL REPRESSOR INVOLVED IN THYROID DIFFERENTIATION AND FUNCTION
(1) D'Andrea B, (1) Di Palma T, (2) Macchia PE, (1) Terracciano D, (1) Motti ML, (1) Viglietto G, (1) Mascia A, (1) Macchia V, (3) Di Lauro R, (1) Zannini S (1) IEOS-CNR and DBPCM Università di Napoli Federico II, Naples, Italy; (2) Dipartimento di Endocrinologia ed Oncologia Molecolare e Clinica, Università di Napoli Federico II, Naples, Italy, (3) Stazione Zoologica A Dohrn, Naples, Italy
- 17.00-17.15 34 MUTATIONS IN THE LEUCINE-CHARGED RESIDUE-RICH DOMAINS (LCDS) OF DREAM TURN THIS TRANSCRIPTIONAL REPRESSOR INTO AN ACTIVATOR OF THYROGLOBULIN GENE EXPRESSION.
(1) Rivas M, (2) Mellström B, (2) Naranjo JR, (1) Santisteban P (1) Instituto de Investigaciones Biomédicas (CSIC-UAM), Madrid, Spain (2) Centro Nacional de Biotecnología (CSIC-UAM), Madrid, Spain

Monday Continued

- 17.15-17.30 35 TPO MUTATIONS IN PATIENTS WITH CONGENITAL HYPOTHYROIDISM: FUNCTIONAL CHARACTERIZATION IN TWO CELL SYSTEMS
Ambrugger P, H Biebermann H Krude Pediatric Endocrinology, Charite, Berlin, Germany
- 17.30-17.45 36 THE EXPRESSION OF THE NIS GENE IS SUBORDINATED TO THYROID CELL FOLLICULAR ORGANIZATION
Bernier-Valentin F, Masson-Trouette S, Rabilloud R, Selmi-Ruby S, Rousset B UMR 369 INSERM - Faculté de Médecine Laennec, Lyon, France
- 17.45-18.00 37 USE OF FIBRONECTIN-GFP CHIMERAS TO INVESTIGATE THE DYNAMICS OF FIBRONECTIN FIBRE ORGANIZATION IN THYROID CELL CULTURES
Perna DF, Cali G, Garbi C, Nitsch L Dept. Biologia e Patologia Cellulare e Molecolare, Università di Napoli Federico II, Naples, Italy
- 18.00-18.15 38 THE INTEGRIN ALPHA V BETA 3 PROMOTES THYROID CELL PROLIFERATION THROUGH THE CALCIUM/CALMODULIN-DEPENDENT PROTEIN KINASE II AND ERK PATHWAYS
Illario M, Cavallo AL, Monaco S, Fenzi G, Rossi G, Vitale M, Università di Napoli, Naples, Italy
- 18.15-18.30 39 THE ROLE OF THE TIE-2 : ANGIOPOIETIN AXIS IN THYROID FOLLICULAR CELLS
Buchanan MA, Ramsden JD, Watkinson JC, Mautner V, Eggo MC, University of Birmingham, Birmingham, United Kingdom
- 19.00- 20.30hrs Reception hosted by the Scottish Executive – The Royal Museum, Chambers St, Edinburgh (open to all registered delegates)

Tuesday 21 October

- 07.30 – 18.30hrs Registration Open Strathblane Hall
08.00 – 16.15hrs Exhibition Open Cromdale Hall
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- 08.30 – 10.00hrs **Workshop – Amiodarone and Thyroid** Pentland Auditorium
Moderators: I Szabolcs (Budapest, Hungary), E Martino (Pisa, Italy)
- BASIC AND CLINICAL PHARMACOLOGY OF AMIODARONE**
O Bakker (Amsterdam, The Netherlands)
- EPIDEMIOLOGY AND RISK FACTORS OF AMIODARONE-INDUCED THYROID DYSFUNCTION**
T Weetman (Sheffield, United Kingdom)
- AMIODARONE-INDUCED HYPOTHYROIDISM AND THYROTOXICOSIS**
F Bogazzi (Pisa, Italy)
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- 10.00 – 10.45hrs **Harington-de Visscher Prize Lecture** Pentland Auditorium
- 10.45 – 11.15hrs **Coffee Break** Cromdale Hall
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- 11.15 – 13.15hrs **Oral Session 6: Thyroid Hormone Action, Receptors and Metabolism** Pentland Auditorium
Moderators: J Bernal (Madrid, Spain), G Williams (London, United Kingdom)
- 11.15-11.30 40 PGC-1 AFFECTS THE SPLICING DIRECTION OF THE THYROID HORMONE RECEPTOR ALPHA PRE-mRNA
Timmer D, Bakker O, Wiersinga W, Academic Medical Center, Amsterdam, The Netherlands
- 11.30-11.45 41 THYROID CYTOSOL LOCALIZATION OF TYPE I 5'-DEIODINASE (5'DI)
(1) Griebert E, (1) Schmutzler C, (1) Mentrup B, (1) Krenn V, (2) Kuiper G, (2) Visser T, (1) Köhrle J (1) Charité, Humboldt University, Berlin, Germany (2) Erasmus University, Rotterdam, The Netherlands
- 11.45-12.00 42 A "PERMISSIVE"RXR/TR HETERODIMER ALLOWS STIMULATION OF PROLACTIN GENE TRANSCRIPTION BY T3 AND 9-CIS-RETINOIC ACID
Sánchez R, Castillo AI, Moreno JL, Martínez O, Aranda A, Instituto de Investigaciones Biomédicas. Madrid, Spain
- 12.00-12.15 43 THYROID HORMONES BUT NOT STEROID HORMONES INCREASE P42/44 MAPK PHOSPHORYLATION IN HUMAN ADIPOCYTES
Patel NG, Kumar S, Eggo MC, University of Birmingham, Birmingham, United Kingdom
- 12.15-12.30 44 DIFFERENTIAL EFFECTS OF T3 AND THE THYROID HORMONE RECEPTOR BETA-SPECIFIC AGONIST GC-1 ON THYROID HORMONE TARGET GENES IN THE BRAIN
(1) Manzano J, (1) Morte B, (2) Scanlan TS, (1) Bernal J, (1) Instituto de Investigaciones Biomédicas, Madrid, Spain (2) University of California, San Francisco, USA
- 12.30-12.45 45 THE IODOTHYRONINE DEIODINASE GENE IN THE ASCIDIAN, HALOCYNTIA RORETZI
Shepherdly CA, Klootwijk W, Erasmus Medical Center, Rotterdam, The Netherlands

Tuesday Continued

12.45-13.00 46 GLUCOCORTICOIDS REGULATE THE ADRENERGIC STIMULATION OF D2 ACTIVITY, mRNA AND ITS PROMOTOR IN BROWN ADIPOCYTES
Martinez de Mena R, Calvo RM, Obregon MJ Inst. Investigaciones Biomedicas (CSIC-UAM) Madrid Spain

13.00-13.15 47 CHANGES IN CENTRAL THYROID HORMONE METABOLISM PRECEDE PERIPHERAL CHANGES DURING ACUTE ILLNESS IN MICE
⁽¹⁾ Kwakkel J, ⁽²⁾ Alkemade A, ⁽¹⁾ Fliers E, ⁽¹⁾ Wiersinga WM, ⁽¹⁾ Boelen A, ⁽¹⁾ Academic Medical Center, Amsterdam, The Netherlands
⁽²⁾ Institute for Brain Research, Amsterdam, The Netherlands

13.15 – 14.15hrs **Lunch & Poster Viewing** Cromdale Hall

13.15 – 14.15hrs **Meet the Expert 2:**
Thyroid Diseases between Childhood and Adolescence Pentland Auditorium
A Grütters (Berlin, Germany)

13.15 – 14.15hrs **Meet the Expert 3:**
Status of Iodine Prophylaxis in Western Europe Carrick Room
A Pinchera (Pisa, Italy)

14.15 – 15.15hrs **Poster Discussion Sessions 9 - 11**
Poster Session 9: Cancer IV Moderator: A Belfiore (Catania, Italy) Cromdale Hall
Poster Session 10: Cell Biology II Moderator: C Schmutzler (Wurzburg, Germany) Carrick Room
Poster Session 11: Clinical III Moderator: P Perros (Newcastle, United Kingdom) Harris Room

14.15 – 15.45hrs **Workshop – Thyroid Diseases affecting Pregnancy** Pentland Auditorium
INTRODUCTION
G Krassas (Thessaloniki, Greece)

THYROID AUTOIMMUNITY AND THE RISK OF MISCARRIAGE
M F Prummel (Amsterdam, The Netherlands)

FETAL AND NEONATAL THYROIDOLOGY IN RELATION TO MATERNAL THYROID DYSFUNCTION
G Morreale de Escobar (Madrid, Spain)

HYPER- AND HYPOTHYROIDISM IN THE PREGNANT STATE
D Glinoeer (Brussels, Belgium)

15.45 – 16.15hrs **Coffee Break** Cromdale Hall

16.15 – 18.30hrs **General Assembly** Pentland Auditorium

20.00 – midnight **Dinner and Dancing at Dynamic Earth (ticket holders only)**

Wednesday 22 October

07.30 – 16.00hrs	Registration Open	Strathblane Hall
08.00 – 10.50hrs	Exhibition Open	Cromdale Hall
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08.00 – 10.20hrs	Oral Session 7: Topic Highlights 2	Pentland Auditorium
	Moderators: W Wiersinga (Amsterdam, The Netherlands), M Erdogan (Ankara, Turkey)	
08.00-08.20	48 THYROID HEMIAGENESIS AND ECTOPIA IN SONIC HEDGEHOG KNOCKOUT MICE <i>Fagman H, Grande M, Nilsson M, Department of Anatomy and Cell Biology, Goteborg University, Goteborg, Sweden</i>	
08.20-08.40	49 GENETIC AND MOLECULAR BASIS OF A NOVEL MOUSE MODEL OF CONGENITAL HYPOTHYROIDISM <i>(1) Amendola E, (2) Macchia PE, (3) Terracciano D, (1) Rosica A, (4) Chiappetta G, (5) D'Adamo P, (5) Gasparini P, (3) Macchia V, (1) De Felice M, (1) Di Lauro R, (1) Stazione Zoologica "A. Dohrn", (2) Dip. Endocrinologia ed Oncologia Molecolare e Clinica, (3) Dip. di Biologia e Patologia Cellulare e Molecolare, Univ. Federico II, (4) INT Fondazione Pascale, (5) TIGEM, Napoli, Italy</i>	
08.40-09.00	50 CHARACTERISATION OF THE DISCONTINUOUS EPITOPE OF A MURINE MONOCLONAL ANTIBODY WITH TSAB ACTIVITY <i>(1) Costagliola S, (2) Bonomi M, (2) Franssen JD, (1) Vassart G (1) IRIBHM, ULB, Brussels, Belgium (2) Institute of Endocrine Sciences, Milan University, Italy</i>	
09.00-09.20	51 POTENTIAL INTERACTIONS BETWEEN THE EXTRACELLULAR DOMAIN AND THE EXTRACELLULAR LOOPS AS WELL AS THE 6. TRANSMEMBRANE DOMAIN ARE LIKELY TO BE NECESSARY FOR TSH RECEPTOR ACTIVATION <i>(1) Claus M, (2) Neumann S, (1) University of Leipzig, Germany (2) National Institutes of Health, NIDDK, Bethesda, USA</i>	
09.20-09.40	52 MAJOR GENETIC INFLUENCE ON THE REGULATION OF THE PITUITARY-THYROID AXIS. A STUDY OF HEALTHY DANISH TWINS <i>(1,2) Hansen PS, (1) Brix TH, (3) Sørensen TIA, (2) Kyvik KO, (1) Hegedüs L (1) Department of Endocrinology, Odense University Hospital, Denmark (2) The Danish Twin Registry, Odense, Denmark (3) Danish Epidemiology Science Centre, Copenhagen, Denmark</i>	
09.40-10.00	53 THE CARDIAC-SPECIFIC TRANSCRIPTIONAL ACTIVITY OF THYROID HORMONE IS REDUCED IN HEART FAILURE: IN VIVO ASSESSMENT IN THE RAT USING A NOVEL T3-RESPONSE VECTOR <i>Simonides W, Zuidwijk M, Van Hardeveld C, VU University Medical Center, Amsterdam, The Netherlands</i>	
10.00-10.20	54 CLONING OF NM41, A NOVEL CYSTINE-KNOT LIKE PROTEIN PREFERENTIALLY EXPRESSED IN THE THYROID <i>(1) Moreno JC, (1) Keijser R, (2) Mulder JBG, (2) ten Kate FJW, (1) de Vijlder JJM, (1) Ris-Stalpers C, (1) Laboratory of Pediatric Endocrinology, Academic Medical Center, (2) Department of Pathology, Academic Medical Center, University of Amsterdam, Amsterdam, The Netherlands</i>	
10.20 – 10.50hrs	Coffee Break	Cromdale Hall
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10.50 – 12.50hrs	Symposium 3: Thyroid Cell Polarity	Pentland Auditorium
	Moderators: M Nilsson (Göteborg, Sweden), S Jones (Cardiff, United Kingdom)	
	MECHANISMS OF POLARIZED SORTING OF MEMBRANE PROTEINS IN THYROID AND NON-THYROID EPITHELIAL CELLS C Zurzolo (Naples, Italy)	
	POST-TRANSLATIONAL REGULATION OF THE BASOLATERAL TSH RECEPTOR: ROLE OF EXTRACELLULAR MATRIX IN RECEPTOR SIGNALING <i>E Milgrom (Le Kremlin-Bicêtre, France)</i>	
	MAL PROTEOLIPID SIGNALS FOR DELIVERY OF SECRETORY PROTEINS TO THE CELL SURFACE: THYROGLOBULIN AND OTHER EXAMPLES <i>M Alonso (Madrid, Spain)</i>	
	APICAL ROUTING OF LYSOSOMAL PROTEASES AND INTRALUMINAL DEGRADATION OF THYROGLOBULIN K Brix (Bremen, Germany)	
12.50 – 13.00hrs	Organon Poster Prize	Pentland Auditorium
13.00 – 13.45hrs	Lunch	Cromdale Hall
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13.45 – 15.45hrs	Oral Session 8 – Clinical II	Pentland Auditorium
	Moderators: L Duntas (Athens, Greece), J Franklyn (Birmingham, United Kingdom)	
13.45-14.00	55 GENOMEWIDE LINKAGE ANALYSIS REVEALS SUGGESTIVE EVIDENCE FOR TWO NEW SUSCEPTIBILITY LOCI FOR FAMILIAL EUTHYROID GOITER ON CHROMOSOMES 2Q AND 3P <i>(1) Bayer Y, (1) Neumann S, (2) Meyer B, (2) Rüschemdorf F, (1) Reske A, (3) Brix T, (3) Hegedüs L, (4) Langer P, (2) Nürnberg P, (1) Paschke R (1) III. Medical Department, University of Leipzig, Germany, (2) Gene Mapping Center, Max Delbrück Center for Molecular Medicine, Berlin, Germany, (3) Department of Endocrinology, Odense University Hospital, Denmark, (4) Department of Internal Medicine, Faculty of Medicine, PJ Safarik University, Kosice, Slovakia,</i>	
14.00-14.15	56 VOLUNTARY REPORTING OF SERIOUS ADVERSE DRUG REACTIONS TO CARBIMAZOLE AND PROPYLTHIOURACIL IN THE UNITED KINGDOM, 1963-2002 <i>Pearce SHS, University of Newcastle, Newcastle upon Tyne, United Kingdom</i>	

Wednesday Continued

- 14.15-14.30 57 COMPARISON OF A HIGH VERSUS A LOW STARTING DOSE OF LEVOTHYROXINE IN THE TREATMENT OF PRIMARY HYPOTHYROIDISM: RESULTS OF A PROSPECTIVE DOUBLE BLINDED RANDOMIZED TRIAL
(1)Roos A, (1) Linn-Rasker SP, (1) Jongste I, (1) Zoet-Nugteren SK, (1) Ligthart J, (2) Domburg RT van, (1) Berghout A (1)MCRZ-Zuider, Rotterdam, The Netherlands (2) Erasmus Medical Center, Rotterdam, The Netherlands
- 14.30-14.45 58 EFFECT OF LEVOTHYROXINE REPLACEMENT ON LIPID PROFILE AND INTIMA-MEDIA THICKNESS IN SUBCLINICAL HYPOTHYROIDISM: A DOUBLE BLIND, PLACEBO-CONTROLLED STUDY
Monzani F, Caraccio N, Dardano A, Kozakowa M, Vittone F, Palombo C, Ferrannini E. Endocrine-Metabolism Unit, Department of Internal Medicine, University of Pisa, Italy.
- 14.45-15.00 59 ATTENTION DEFICIT AND HYPERACTIVITY DISORDERS (ADHD) IN THE OFFSPRING OF MOTHERS EXPOSED TO IODINE DEFICIENCY: A POSSIBLE NOVEL IODINE DEFICIENCY DISORDER IN DEVELOPED COUNTRIES
Vermiglio F, Lo Presti VP, Moleti M, Sidoti M, Tortorella G, Scaffidi G, Castagna MG, Violi MA, Crisà A, Artemisia A, Trimarchi F Dipartimento Clinico-Sperimentale di Medicina e Farmacologia- Sezione di Endocrinologia, University of Messina, Messina, Italy
- 15.00-15.15 60 HUMAN FETAL AND CORD SERUM THYROID HORMONES: DEVELOPMENTAL TRENDS AND INTER-RELATIONSHIPS
(1) Simpson J, (1) Williams FLR, (1) Delahunty C, (2) van Toor H, (3) Wu S-Y, (2) Visser TJ, (1) Hume R with collaboration from the Scottish Preterm Thyroid Group (1) University of Dundee, Dundee, United Kingdom (2) Erasmus University, Rotterdam, The Netherlands (3) University of California, USA
- 15.15-15.30 61 SERUM ADIPONECTIN CONCENTRATIONS IN THYROTOXIC AND HYPOTHYROID PATIENTS
(1) Papadopoulou F, (2) Koliakos G, (1) Pontikides N, (1) Memi E, (1) Loustis C, (1) Panidis D, (1) Krassas GE (1) Dept. of Endocrinology, Diabetes and Metabolism, PANAGIA General Hospital, Thessaloniki, Greece, (2) Dept. of Biochemistry, University of Thessaloniki, (3) Dept of Gynecology, University of Thessaloniki, Greece
- 15.30-15.45 62 THE HYPOTHALAMUS PITUITARY THYROID AXIS AND A POLYMORPHISM IN TYPE II DEIODINASE IN THE PREDICTION OF RESPONSE TO PAROXETINE IN MAJOR DEPRESSION
(1)Brouwer J, (1)Appelhof BC, (2)Peeters R (1)AMC Amsterdam, The Netherlands (2)Erasmus University, Rotterdam, The Netherlands

13.45 – 15.45hrs Oral Session 9 – Autoimmunity

Carrick Room

Moderators: J Orgiazzi (Lyon, France), J Lazarus (Cardiff, United Kingdom)

- 13.45-14.00 63 AGGREGATION OF THYROID AUTOANTIBODIES IN FIRST-DEGREE RELATIVES OF PATIENTS WITH AUTOIMMUNE THYROID DISEASE IS MAINLY DUE TO GENES. A TWIN STUDY
(1)Brix TH, (1) Hansen PS, (2) Kyvik KO, (1) Hegedüs L (1)Department of Endocrinology, Odense University Hospital, Denmark (2) The Danish Twin Register, University of Southern Denmark, Denmark
- 14.00-14.15 64 CHARACTERIZATION OF THE EPITOPES INVOLVED IN THE TSAB ACTIVITY OF GRAVES' IMMUNOGLOBULINS.
(1,2) Montanelli L, (1) Smits G, (1) Janssens V, (1) Vassart G, (1) Costagliola S (1) IRIBHM, ULB, Brussels, Belgium (2) Dipartimento di Endocrinologia e Metabolismo, University of Pisa, Pisa, Italy.
- 14.15-14.30 65 COMPARISON OF HUMAN AND MOUSE THYROID STIMULATING MONOCLONAL ANTIBODIES
(1)Sanders J, (1)Evans M (2)Premawardhana LDKE, (1)Depraetere H, (1)Jeffreys J, (1)Richards T, (1) Kiddie A, (1)Brereton K, (1)Rees Smith B (1)FIRS Laboratories, RSR Ltd, Cardiff, United Kingdom (2) Caerphilly District Miners Hospital, Caerphilly, United Kingdom
- 14.30-14.45 66 ASSOCIATION OF GRAVES' DISEASE WITH A POLYMORPHISM IN THE GENE ENCODING AN INHIBITOR OF NFκB, IκBε
(1)Owen CJ, (1) Jennings CE, (2) Robertson K, (2) Roy D, (1) Pearce SHS (1) University of Newcastle upon Tyne, United Kingdom (2) University of Edinburgh, United Kingdom
- 14.45-15.00 67 AFFINITY PURIFICATION OF TSH RECEPTOR AUTOANTIBODIES FROM HUMAN SERUM AND COMPARISON TO MONOCLONAL ANTIBODIES
(1) Morgenthaler NG, (2) Minich W, (1) Willnich M, (3) Bogusch T, (3) Hollidt J, (4) Weglöhner W, 4) Karasch S, (5) Lenzner C, (1) Bergmann A, (1) BRAHMS AG, (2) Milo GmbH, (3) InVent GmbH, (4) InVivo GmbH, (5) Bioassays GmbH, all Biotechnology Centre Hennigsdorf/Berlin, Germany
- 15.00-15.15 68 A DEFINITE, BUT LIMITED ROLE OF THE LYP MUTATION IN THE FOUND DEFECTS OF BONE MARROW DERIVED DENDRITIC CELLS FROM THE BB-DP RAT, AN ANIMAL MODEL FOR AUTOIMMUNE (AI) THYROIDITIS
(1) Sommandas V, (1) Drexhage H, (2) Lernmark A (1) Erasmus MC Rotterdam, The Netherlands (1) University of Washington, Seattle, USA
- 15.15-15.30 69 ACUTE HEPATITIS (AH) OF UNKNOWN ORIGIN FOLLOWING HIGH DOSE INTRAVENOUS GLUCOCORTICOID (IVCG) PULSE THERAPY FOR GRAVES' OPHTHALMOPATHY (GO)
(1) Marinò M, (1) Morabito E, (1) Altea MA, (1) Rocchi R, (1) Menconi F, (1) Mazzi B, (2) Brunetto M, (1) Pinchera A, (1) Marcocci C (1) Department of Endocrinology and (2) Department of Liver Disease, University of Pisa, Italy
- 15.30-15.45 70 A PROSPECTIVE RANDOMISED CONTROLLED TRIAL OF SURGICAL OR MEDICAL DECOMPRESSION AS A FIRST LINE THERAPY IN VERY SEVERE GRAVES' OPHTHALMOPATHY
Prummel MF, Wakelkamp IMMJ, Baldeschi L, Saeed P, Wiersinga WM. Dept of Endocrinology, University of Amsterdam, The Netherlands

15.45 – 16.00hrs Presentation of next ETA meeting

Pentland Auditorium

16.00hrs Close of Meeting