

$F \ O \ U \ N \ D \ E \ D \quad 1 \ 9 \ 2 \ 3$

75th Annual Meeting of the American Thyroid Association

September 16-21, 2003

The Breakers Hotel One South County Road Palm Beach, Florida 33480

> **President** Peter A. Singer

President-Elect Clark T. Sawin

Secretary Paul W. Ladenson

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David S. Cooper

2003 ATA Program and Meet-the-Professor Syllabus published by: American Thyroid Association 6066 Leesburg Pike, Suite 650 Falls Church, VA 22041

Scientific Program

Wednesday, September 17, 2003 Thursday, September 18, 2003 Friday, September 19, 2003 Saturday, September 20, 2003 Sunday, September 21, 2003

75th Annual Meeting of the American Thyroid Association The Breakers Hotel Palm Beach, Florida September 16-21, 2003

Wednesday, September 17, 2003

6:00 – 7:45 am	Venetian Ballroom Current Issues in Thyroid Function Testing Madaratary Loopard Wastafalw						
	Benefits and Pitfalls o Utility of Antithyroid	Moderator:Leonard WartofskyBenefits and Pitfalls of Free Hormone MeasurementsKenneth D. BurmanUtility of Antihyroid Antibody MeasurementsCarole A. Spencer					
	TSH Reference Range "Early Riser" CME S grant from Abbott Lab	ymposium and b		Do? Stephanie L rted by an unrestricted of			
8:00 – 8:15 am	Venetian Ballroom Welcome and Introd	wations					
	Peter A. Singer	ATA Presider	nt				
	Paul W. Ladenson	ATA Secretar					
	Rebecca S. Bahn		Chair, Scienti	fic			
	Bryan R. Haugen	ATA Program	n Chair, Clinica	1			
8:15 – 9:00 am	Venetian Ballroom						
	Keynote Clinical Address						
	Historical Perspectives and Current Understanding of Mild Thyroid Failure						
		David S. Cooper, MD Director, Division of Endocrinology					
	Sinai Hospital of Baltimore						
	A	Professor of Medicine					
	Johns Hopkins University School of Medicine						
	Baltimore, MD						
	Supported by an educe	ational grant fro	m Abbott Labo	ratories			
9:00 – 10:00 am	Venetian Ballroom						
	Plenary Session – Translational Oral Abstract Presentations						
	Chairs: Rebecca S. Ba		. Haugen				
	Iodine Uptake and a reast-fed Infants Is Imp nr ² , K.M. Pedersen ¹ , E. Fu	aired by Mater	Wednesday nal Smoking	Oral Clinical Plenary	9:00 am		
	crinology and Medicine a bebing Hospital, Aalborg,		and Obstetrics	, Aalborg Hospital, Aall	oorg,		
Program Number 2	Thyroid and Develo	*	Wednesday	Oral Basic Plenary	9:15 am		
Contrasting Skeletal Gene	Phenotypes in Mice with	h an Identical N	Iutation Targe	eted to either the TRα	or TRβ		
	ki ² , C.B. Harvey ¹ , SY. C						
¹ Molecular Endocrino	logy Group. Division of N	Aedicine and MF	RC Clinical Sci	ences Centre Hammers	mith		

^{*}Molecular Endocrinology Group, Division of Medicine and MRC Clinical Sciences Centre, Hammersmith Hospital, Imperial College London, UK; ²Gene Regulation Section, Laboratory of Molecular Biology, National Cancer Institute, NIH, Bethesda, MD, USA

Wednesday, September 17, 2003

Program Number 3 Thyroid Diseases Wednesday Oral Clinical Plenary 9:30 am **Double-blind Placebo-controlled Trial of Octreotide LAR in Thyroid-associated Orbitopathy (TAO): Clinical Outcomes** P. Kendall-Taylor¹, A.J. Dickinson², B. Vaidya¹, M. Miller², A. Coulthard², P. Perros¹, E. Baister³, C. Andrews³, L. Hesse⁴, J. Heverhagen⁴, A.E. Heufelder⁴ ¹University of Newcastle upon Tyne; ²RVI Newcastle upon Tyne; ³Novartis Pharmaceuticals, United Kingdom; and ⁴University of Marburg, Marburg, Germany

Program Number 4AutoimmunityWednesdayOral Basic Plenary9:45 amTSH Receptor Knockout Mice, in Contrast to Expectation, Do Not Respond to Immunization as if the TSHReceptor Were a Foreign Antigen

P. Pichurin¹, R. Marians², O. Pichurina¹, C.-R. Chen¹, T.F. Davies², B. Rapoport¹, S.M. McLachlan¹ ¹Autoimmune Disease Unit, Cedars-Sinai Research Institute & UCLA, Los Angeles, California; and ²Division of Endocrinology, Diabetes and Bone Disease, Mount Sinai Medical School of Medicine, New York, New York

10:00 – 10:30 am	Mediterranean Ballroom			
	Refreshment Break in the Exhibit Hall			
10:30 am	Venetian Ballroom			
	Translational Symposium			
	Medullary Thyroid Cancer			
	Chair: Nicholas Sarlis			
	Pathogenesis, genetic testing	Robert Gagel		
	Surgical approaches, approaches to patient with elevated			
	calcitonin	Jeffrey Moley		
	Advanced therapy for metastatic disease	Martin Schlumberger		
12:00 noon – 1:30 pm	Meet the Professor Luncheon Workshops Advance purchase required; admission by ticket only			
	Experts and specialists in thyroid disease and pathophysio research and findings in an interactive luncheon workshop			
Magnolia Roon				
	n thyroid cancer			
Steven Larson				
Gulfstream Roc	om			
Thyroiditis				
Gilbert Daniels				
Supported by a	n unrestricted educational grant from Abbott Laboratories			
Gulfstream Roo	nm			
	ations of thread hormone analogues			

Clinical applications of thyroid hormone analogues Irwin Klein Gulfstream Room Gene therapy in thyroid cancer Christine Spitzweg

Flagler Boardroom **Thyroid disorders in animals** Charles Capen

Gulfstream Room New tools in Biomedical research - RNA inhibition Stefan Grebe

Gold Room Strategies for detecting and managing residual/recurrent thyroid cancer Michael Tuttle and Paul Walfish Supported by an unrestricted educational grant from Abbott Laboratories

1:30 – 3:00 pm

Simultaneous Sessions

Venetian Ballroom Clinical Oral Abstracts Chairs: Charles Emerson and Kenneth Hupart

Program Number 5Thyroid and DevelopmentWednesdayClinical Oral1:30 pmMutations in a Thyroid Hormone Transporter in Patients with Severe Psychomotor Retardation and HighSerum T3 Levels

E. Friesema¹, A. Grueters², A. Halestrap³, M. Reeser⁴, T. Visser¹ ¹Internal Medicine, Erasmus MC, Rotterdam, The Netherlands; ²Paediatric Endocrinology, Charite Children's Hospital, Berlin, Germany; ³Biochemistry, University of Bristol, United Kingdom; and ⁴Paediatrics, Juliana Children's Hospital, The Hague, NL

Program Number 6Thyroid DiseasesWednesdayClinical Oral1:45 pmAssociation of Novel Single-nucleotide Polymorphisms in the Dihydropyridine Sensitive L-type Alpha-3Calcium Channel (CACNL1α3) and Thyrotoxic Periodic Paralysis (TPP)A.W.C. Kung, K.S. Lau, G.C.Y. Fong, V.N.Y. ChanDepartment of Medicine, The University of Hong Kong, Queen Mary Hospital, Hong Kong, China

Program Number 7Thyroid ImagingWednesdayClinical Oral2:00 pmEfficacy of 18F-Fluorodeoxyglucose Positron Emission Tomography for Diagnosis and Long-termMonitoring of Patients with Well-differentiated Thyroid CarcinomaA. Golger^{1,3}, T. Freedman², K. Gulenchyn³, J. Freeman², P. Walfish², J. Young¹Efficience

¹St. Joseph's Hospital, Hamilton, Ontario; ²Mount Sinai Hospital, Toronto, Ontario; and ³McMaster University, Hamilton, Ontario, Canada

Program Number 8Thyroid DiseasesWednesdayClinical Oral2:15 pmEffects of Total Thyroid Ablation (TTA) on the Short-term Outcome of Graves' Ophthalmopathy (GO) in
Patients Treated with Glucocorticoids (GC): Preliminary Results of a Randomized Clinical TrialF. Menconi¹, M. Marinò¹, R. Rocchi¹, E. Morabito¹, B. Mazzi¹, M.A. Altea¹, P. Lepri², M.P. Bartolome², A.
Pinchera¹, C. Marcocci¹Departments of ¹Endocrinology and ²Neuroscience, University of Pisa, Pisa, Italy

Wednesday, September 17, 2003

Program Number 9Thyroid DiseasesWednesdayClinical Oral2:30 pmVoluntary Reporting of Serious Adverse Reactions to Thionamide Compounds in the United Kingdom,1963-2003S.H.S. PearceSchool of Clinical Medical Sciences, University of Newcastle, Newcastle upon Tyne, England, United Kingdom

Program Number 10Thyroid Hormone ActionWednesdayClinical Oral2:45 pmThyroid Status and Lipids in the Framingham Offspring StudyStudyStudyStudyStudy

E.N. Pearce¹, J. Massaro², L.E. Braverman¹, C.T. Sawin³, P.W. Wilson¹

¹Section of Endocrinology, Diabetes, and Nutrition, Boston Medical Center, Boston, Massachusetts; ²Department of Biostatistics, Boston University School of Public Health, Boston, MA; ³Medical Inspector, Veterans Health Administration, Washington, DC

1:30 – 3:00 pm Simultaneous Sessions

Ponce de Leon Ballroom Basic Oral Abstracts Chairs: Valerie Galton and Donald St. Germain

Program Number 11Thyroid Hormone ActionWednesdayBasic Oral1:30 pmAlternative mRNA Processing Regulates Expression of Human Thyroid Hormone Receptor β1 ProteinG.R. Williams, S. Frankton, C.B. Harvey, L.J. Gleason, A. FadelMolecular Endocrinology Group, Imperial College London, MRC Clinical Sciences Centre, HammersmithHospital, London, England, United Kingdom

Program Number 12Thyroid Hormone ActionWednesdayBasic Oral1:45 pmGATA2 Is Essential to Mediate the Negative Regulation of TSH Alpha Subunit Gene by T3 and T3Receptor

S. Sasaki, K. Nakano, A. Matsushita, Y. Kashiwabara, K. Nagayama, K. Nishiyama, H. Misawa, H. Nakamura Second Division, Department of Internal Medicine, Hamamatsu University School of Medicine, Hamamatsu, Japan

Program Number 13Thyroid Hormone ActionWednesdayBasic Oral2:00 pmPlasma Membrane Thyroid Hormone Transporters Facilitate Transcriptional Regulation by ThyroidHormone Receptors

Y.-B. Shi¹, J.W.A. Ritchie², Y. Hayashi³, F.E. Baird², R.W. Muchekehu², G.R. Christie², P.M. Taylor² ¹LGRD, NICHD/NIH, Bethesda, Maryland, USA; ²Division of Molecular Physiology, School of Life Sciences, University of Dundee, Dundee, Scotland, United Kingdom; and ³Research Institute of Environmental Medicine, Nagoya University, Nagoya, Japan

Program Number 14Thyroid Hormone MetabolismWednesdayBasic Oral2:15 pmThe Leptin Signaling Pathway Targets the Thyrotropin-releasing Hormone (TRH)Promoter In VivoF. Guo, K. Bakal, A.N. HollenbergThyroid Unit–Division of Endocrinology, Beth Israel Deaconess Medical Center andImage: Context and Contex

Harvard Medical School, Boston, Massachusetts, USA

Program Number 15Thyroid Hormone ActionWednesdayBasic Oral2:30 pmFHL2: A New Interaction Partner for Thyroid Hormone Receptor β2M.E. Domingue, G. Hamann, M.F. LangloisDepartment of Medicine, Division of Endocrinology, University of Sherbrooke, Sherbrooke, Quebec, Canada

Program Number 16Thyroid Hormone MetabolismWednesdayBasic Oral2:45 pmPresence and the Regulatory Mechanism of Type 2 Deiodinase in Rat AortaS. Yasuzawa-Amano, N. Toyoda, A. Maeda, T. Iwasaka, M. NishikawaKansai Medical University, Osaka, JapanS. Yasuzawa-Amano, N. Toyoda, A. Maeda, T. Iwasaka, M. Nishikawa

Wednesday – Thursday	Ponce de Leon Ballroom
Poster Sessions	Posters 19 – 86

Program Number 19 Autoimmunity Wednesday/Thursday Poster Sessions
Familial Clustering of Autoimmune Thyroiditis and Diabetes: Further Genetic Dissection
L.J. Levin¹, Y. Ban¹, D.A. Greenberg², E.S. Concepcion¹, T.F. Davies¹, Y. Tomer¹
¹Division of Endocrinology, Diabetes, and Bone Diseases, Department of Medicine, Mount Sinai School of Medicine, New York, New York; and ²Division of Statistical Genetics, Columbia University, New York, New York, USA

Program Number 20 Autoimmunity Wednesday/Thursday Poster Sessions Microarray Analysis of CD4+ Lymphocytes in Graves' Disease

 C.E. Jennings¹, C.J. Owen¹, K. Robertson², D. Roy², A. Wipat¹, S.H.S. Pearce¹
 ¹Institute of Human Genetics, University of Newcastle, Newcastle upon Tyne, England; and ²Scottish Centre for Genomic Technology and Informatics, University of Edinburgh, Scotland, United Kingdom

Program Number 21AutoimmunityWednesday/ThursdayPoster SessionsExpression of Thyroid Transcription Factor-1 (TTF-1) in Orbital Adipose Tissues and Derivative CellCultures from Patients with Graves' Ophthalmopathy

K. Bhattacharyya¹, S. Kumar², M.J. Coenen¹, R.S. Bahn¹

Divisions of ¹Endocrinology, Metabolism and Nutrition, and ²Pediatric Endocrinology, Mayo Clinic, Rochester, Minnesota, USA

Program Number 22 Autoimmunity Wednesday/Thursday Poster Sessions Thyroid Antibodies in Autoimmune Thyroid Disease: Follow-up Therapy

E.E. Lechuga¹, J. Dominguez²

¹Endocrine Department, Hospital Angeles del Pedregal, Mexico City, Mexico; and ²Internal Medicine Department, Hospital General, Centro Médico "La Raza," Mexico City, Mexico

Program Number 23 Autoimmunity Wednesday/Thursday Poster Sessions Lack of Correlation between Thyroid Autoimmunity and Previous Fetal Loss

L. Sieiro^{1,2}, E. Micmacher¹², A. Buescu¹, C. Coeli¹, S. Mamede², D. Galvão², L. Nazar², L. Seixas², M. Vaisman¹

¹Serviços de Endocrinologia da UFRJ, HUCFF, Rio de Janeiro, Brazil; and ²Clínica Médica e Pré-Natal do HGNI, UNIG, Nova Iguaçú, Brazil

Program Number 24 Autoimmunity Wednesday/Thursday Poster Sessions The Contribution of Echography in the Diagnostic Definition of Autoimmune Thyroiditis and the Role of Cellular-mediated Immunity

P. De Remigis, F. Ruscitti, L. Vianale

Thyroid and Endocrine Unit, General Hospital, Chieti, Italy

Wednesday, September 17, 2003

Program Number 25 Autoimmunity Wednesday/Thursday Poster Sessions Adiponectin Levels in the Serum of Patients with Thyroid-associated Ophthalmopathy (TAO) M. Plicht¹, C. Lenzner², S. Müller², A. Eckstein¹, J. Esser¹, N.G. Morgenthaler^{2,3} ¹Department of Ophthalmology, University of Essen, Essen, Germany; ²Bioassays GmbH, Biotechnology Center Hennigsdorf/Berlin, Germany; and ³BRAHMS AG, Research, Biotechnology Centre Hennigsdorf/Berlin, Germany Program Number 26 Autoimmunity Wednesday/Thursday Poster Sessions Development of Graves' Disease under Adequate Immunosuppression in a Cardiac Transplant Patient P. Tebben, V. Fatourechi Division of Endocrinology, Diabetes, Metabolism, and Nutrition, Mayo Clinic, Rochester, Minnesota, USA Program Number 27 Wednesday/Thursday Poster Sessions Cancer Boron Neutron Capture Therapy (BNCT) for Undifferentiated Thyroid Carcinoma (UTC) M.A. Dagrosa¹, M. Viaggi¹, J. Longhino², O. Calzetta², M. Edreira¹, R.L. Cabrini¹, G.J. Juvenal¹, M.A. Pisarev^{1,3} Departments of ¹Radiobiology and ²Nuclear Reactors, University of Buenos Aires School of Medicine; and ³National Atomic Energy Commission and Department of Biochemistry, University of Buenos Aires School of Medicine, Buenos Aires, Argentina Program Number 28 Cancer Wednesday/Thursday Poster Sessions Sodium Iodide Symporter (NIS) Gene Expression Is a Potential Prognostic Indicator for Thyroid Cancer and Is Inhibited by Pituitary Tumor Transforming Gene (PTTG) K. Boelaert, L.A. Tannahill, M.C. Eggo, N.J. Gittoes, J.C. Watkinson, M.C. Sheppard, J.A. Franklyn, C.J. McCabe Division of Medical Sciences, University of Birmingham, Queen Elizabeth Hospital, Birmingham, England, United Kingdom Program Number 29 Cancer Wednesday/Thursday Poster Sessions In Vitro Induction of Radioiodine Uptake in Medullary Thyroid Cancer Cells following CEA and **Calcitonin Promoter-driven Expression of the Sodium-Iodide Symporter** C.H. Baker¹, C. Spitzweg², E.R. Bergert¹, J.C. Morris¹ ¹Mayo Clinic Department of Endocrinology, Rochester, Minnesota, USA; and ²Ludwig-Maximilians University Department of Internal Medicine II, Munich, Germany Program Number 30 Wednesday/Thursday Poster Sessions Cancer Adenovirus-mediated Targeted Expression of the Sodium Iodide Symporter (NIS) with Use of the MUC1 Promoter R.M. Dwyer¹, E.R. Bergert¹, M.K. O'Connor² and J.C. Morris¹ Departments of ¹Endocrinology and ²Nuclear Medicine, Mayo Clinic, Rochester, Minnesota, USA Program Number 31 Cancer Wednesday/Thursday Poster Sessions Spindle Assembly Checkpoint Genes, hBUB1, hBUBR1, and hMAD2, are More Highly Expressed in Anaplastic Thyroid Carcinomas than in Differentiated Thyroid Carcinomas N. Wada¹, A. Yoshida², Y. Miyagi², T. Yamamoto², S. Hirakawa³, K. Inui¹, Y. Takanashi³ ¹Department of General Surgery, Yokohama City University, ²Kanagawa Cancer Center, and ³First Department of Surgery, Yokohama City University, Yokohama, Japan

Program Number 32 Cancer Wednesday/Thursday Poster Sessions Risk of Malignancy and Aggressiveness of Non-palpable Thyroid Nodules in a Mild Iodine Deficiency Area C. Cappelli¹, M. Braga², D. Cumetti¹, M. Castellano¹, B.Agosti¹, E. Gandossi¹, A. Tironi³. E. Agabiti Rosei¹ ¹Chair of Internal Medicine, Section of Endocrinology, University of Brescia, ²II Division of General Surgery, Spedali Civili of Brescia, and ³II Pathological Anatomy, University of Brescia, Brescia, Italy Program Number 33 Cancer Wednesday/Thursday Poster Sessions Imbalance between Separase and Securin Levels in Thyroid and Other Malignancies F.L. Khanim, J.L. Parmley, K. Boelaert, C.J. McCabe, N.J.L. Gittoes, J.A. Franklyn Division of Medical Sciences, Clinical Research Block, The University of Birmingham, Birmingham, England, United Kingdom Program Number 35 Cancer Wednesday/Thursday Poster Sessions **Enhancement of Adenoviral Infection in Thyroid Tumors** D.K. Marsee, S.M. Jhiang Department of Physiology and Cell Biology, Ohio State University, Columbus, Ohio Program Number 36 Cancer Wednesday/Thursday Poster Sessions TgAb-Negative Differentiated Thyroid Cancer (DTC) Patients with Lymphocytic Thyroiditis (LT) Detected at Thyroidectomy (Tx) Have a Lower Risk of Recurrence (R) during Long-term Follow-up (F/U) S. Fatemi¹, R. Guttler², J. LoPresti², P. Singer², J. Nicoloff², L. Bergoglio², C. Spencer² ¹Southern California Permanente Medical Group, Panorama City, California; and ²University of Southern California, Keck School of Medicine, Los Angeles, California, USA Program Number 37 Cancer Wednesday/Thursday Poster Sessions Sensitivity of Fine-Needle Aspiration Biopsy (FNAB) and Frozen Section (FS) in Management of Thyroid Cancer: A Comparative Study of the 1970s, 1980s, and 1990s J.C. Furlan¹, Y.C. Bedard², I.B. Rosen¹ Departments of ¹Surgery and ²Pathology and Laboratory Medicine, Mount Sinai Hospital, University of Toronto, Toronto, Ontario, Canada Program Number 38 Cancer Wednesday/Thursday Poster Sessions Expression of Epidermal Growth Factor Receptor (EGFR) and a Cell Cycle-related Nuclear Antigen Ki-67 in Thyroid Neoplastic and Non-neoplastic Lesions, Determined by Immunostaining R.Y.A. Camargo¹, A. Longatto Filho², C.T. Kanamura², S. Nonogaki², V.A.F. Alves², H. Bisi¹, N.M.A. Abelin¹ ¹Departments of Medicine (Endocrinology) and Pathology, São Paulo University School of Medicine, São Paulo; and ²Instituto Adolfo Lutz, São Paulo, Brazil Program Number 39 Cancer Wednesday/Thursday Poster Sessions Post-surgical Thyroid Remnant Ablation with 131-I Therapy in Patients with Differentiated Thyroid **Cancer (DTC): The Role of Diagnostic Tracer Dose** M. Capezzone, F. Lippi

Department of Endocrinology and Metabolism, University of Pisa, Pisa, Italy

Wednesday, September 17, 2003

 Program Number 40 Cancer Wednesday/Thursday Poster Sessions Papillary Thyroid Carcinoma: Aggressive Management Is Needed in Endemic Iodine-deficient Area S.K. Gupta¹, A. Agarwal², S.K. Mishra², A. Sachan¹, G.Agarwal², E. Bhatia¹, M.M. Godbole¹ Departments of ¹Medical Endocrinology and ²Surgical Endocrinology, Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow, India
 Program Number 41 Cancer Wednesday/Thursday Poster Sessions Retrospective Study of 114 Thyroid Papillary Adenocarcinoma Cases Diagnosed during Follow-up Observation K. Suyama¹, Y. Noguchi¹, M. Fuse¹, T. Yoshida¹, T. Shibata¹, Y. Otsuka¹, S. Yoshida², T. Ban², I. Tatsuno¹, Y. Saito¹ ¹Department of Clinical Cell Biology, Chiba University Graduate School of Medicine, and ²Chiba Cancer Society, Chiba, Japan
 Program Number 42 Cancer Wednesday/Thursday Poster Sessions Performance of the "AMES" Scoring System in 175 Well-differentiated Thyroid Carcinomas: A Hospital- based Study in Brazil L.G. Brandão¹, B.G. Cavalheiro¹, J.S. Brandão Neto¹, R. Turcano¹, A.R. Ferraz¹, J.C. Furlan^{1,2} ¹Department of Surgery, Division of Head and Neck Surgery, Hospital das Clínicas da Faculdade de Medicina da Universidade de São Paulo, São Paulo, Brazil; and ²Department of Surgery, Mount Sinai Hospital, University of Toronto, Toronto, Canada
Program Number 43 Cancer Wednesday/Thursday Poster Sessions A Case of Recombinant TSH for the Treatment of Papillary Thyroid Cancer in a Patient with End Stage Renal Disease A. Jawa, M. Pendergrass Tulane University Health Science Center, Section of Endocrinology, Diabetes and Metabolism, New Orleans, Louisiana, USA
Program Number 44Iodine Uptake and MetabolismWednesday/ThursdayPoster SessionsIdentification and Characterization of Human Factor S Protein, a Potential Regulator of Sodium/IodideSymporter Gene ExpressionJ. Xu ¹ , K. Taki ² , M. Capezzone ¹ , J. M. Hershman ¹ ¹ Endocrinology Research Lab, West Los Angeles VA Medical Center, University of California-Los Angeles School of Medicine, Los Angeles, California, USA; and ² 3rd Department of Internal Medicine, University of Yamanashi, Yamanashi, Japan
Program Number 45Iodine Uptake and MetabolismWednesday/ThursdayPoster SessionsShort-term Effects on Thyroid Function of High Doses of Iodine in Euthyroid PatientsW.OutputWednesday/ThursdayPoster SessionsW. Gartner, M. WeisselVienna University Clinic of Internal Medicine III and Ludwig Boltzmann Institute for Nuclear Medicine, Vienna, AustriaNuclear Medicine, Vienna, AustriaNuclear Medicine

 Program Number 46 Iodine Up Regulatory Mechanism of the Sodiu Y.J. Park^{1,4}, T.Y. Kim^{1,3}, H.S. Lee³, J. Cho^{1,3} ¹Department of Internal Medicine and College of Medicine, Seoul, Korea Research Institute, Seoul National of Internal Medicine and ⁵Patholog Korea; ⁶Department of Internal Medicine, Ulsan, College of Medicine, Ulsan 	Im/Iodide Symporter (NIS) E. Kim ⁵ , W.B. Kim ⁶ , D.J. Pa ² Nuclear Medicine, Seoul N ; ³ Department of Internal Me University Hospital, Seoul, H gy, Seoul Municipal Boramae edicine, Asan Medical Center	by Excessive Iodide rk ^{1,3} , J. Chung ² , B.Y. ational University edicine, Clinical Korea; ⁴ Department e Hospital, Seoul,	Poster Sessions
 Program Number 47 Iodine Up Evaluation of Thyroid Iodine in Th Y. Imanishi, I. Endoh, K. Nozaki, S. N Kondoh, Y. Kurihara, Y. Nakajima St. Marianna University, Kawasaki, K 	y roid Nodules and Thyroid Nakaji, T. Shinagawa, D. Itoh a	s with Diffuse Thyroid Diseas	
Program Number 48 Iodine Up Study on Thyroid Volume and Urin		Wednesday/Thursday	
an Iodine-sufficient Area Y. Fuse ¹ , N. Saito ² , T. Tsuchiya ² , Y. S ¹ Neonatology, Toho University Schoo Branch of ICCIDD, Tokyo, Japan	Shishiba ² , M. Irie ³		
Program Number 49 Iodine Up Iodine Metabolic Pathways in the M B.A. Eskin Drexel University College of Medicin	Iammary Glands		Poster Sessions
 Program Number 50 Thyroid and Maternal Nutrient Deprivation Res Deiodinase Expression in the Fetal S.Y. Chan¹, M.H. Andrews², R. Linga S.G. Matthews². ¹University of Birmingham, Birmingh of Toronto, Toronto, Ontario, Canada 	ults in Sex-specific Changes Guinea Pig Brain 1s ² , C.J. McCabe ¹ , J.A. Frank 1am, England, United Kingdo	in Thyroid Hormone Recept lyn ¹ , M.D. Kilby ¹ ,	or and
Program Number 51 Thyroid a Identification of Differentially Expr Analysis	and Development ressed Genes in Lingual Thy	Wednesday/Thursday wroid Gland by Representatio	
I.G.S. Rubio ¹ , F. Festa ² , M. Knobel ¹ , Neto ¹ ¹ Thyroid Unit, Division of Endocrino ² Instituto de Química, Universidad	logy, University of São Paulo	Medical School,	
Botucatu São Paulo, São Paulo, Bi		,	
Program Number 52 Thyroid a A Dominant Negative Thyroid Horn Proliferation S.Y. Chan ¹ , C.J. McCabe ² , J.A. Frank ¹ Division of Reproductive and Child I University of Birmingham, Birmin	lyn ² , M.D. Kilby ¹ Health and ² Division of Medi	cal Sciences,	Poster Sessions) Cell

Wednesday, September 17, 2003

Differentiation I. Cuesta, P. Santisteban	vroid and Development on of the Thyroperoxidase Gene Pr cular, Instituto de Investigaciones Bio	omoter during Thyroid C	
of TR α 1 ^{-/-} Mice A.P. Farwell ¹ , J.M. Cortez ² , J.L.	Is Markedly Increased in the Molec Leonard ² . Physiology, University of Massachuse	ular Layer of the Develop	
			CN4A
Microheterogeneity of DRB1*0 J.M. Heward ¹ , Y. Ban ² , H. Foxal Tomer ² , S.C.L. Gough ⁴ ¹ Division of Medical Sciences, U United Kingdom; ² Mount Sin	vroid Diseases Wednesday/Thursda 03 Is Associated with the Developm Il ¹ , D.A. Greenberg ³ , T.F. Davies ² , J. University of Birmingham, Birmingha nai School of Medicine and ³ Columbi ⁴ Birmingham Heartlands Hospital, Bi	ent of Graves' Disease A. Franklyn ¹ , Y. um, England, a University, New	
The Primary DNA Variant of t Phenotypes J.E. Collins ¹ , J.M. Heward ¹ , H. C ¹ Division of Medical Sciences, U Inflammation Laboratory, Un	l Diseases Wednesday/Thursda the CTLA-4 Gene Causing Graves' Cordell ² , J.A. Franklyn ¹ , S.C.L. Goug Jniversity of Birmingham, Birmingha niversity of Cambridge, Cambridge; a gham, England, United Kingdom	Disease Is Not Associated h ³ um; ² Diabetes and	l with Individual
Is There an Effect of L-T4 The I. Gazeroglu, J.M. McKenzie, M	rroid Diseases Wednesday/Thursda erapy on the Course of Subclinical I I. Zakarija rsity of Miami School of Medicine, N	Hypothyroidism (SH)?	
The R450H Mutation of the Th to Thyrotropin K. Onigata ¹ , S. Hattori ¹ , S. Yama	proid Diseases Wednesday/Thursda hyrotropin Receptor Gene Is Comn ada ¹ , T. Kowase ¹ , Y. Takano ¹ , A. Mo Japan; ² Kumamoto University, Kuman goya, Japan	ion in Japanese Patients v rikawa ¹ , S. Nishiyama ² , H.	

Program Number 62 Thyroid Diseases Wednesday/Thursday Poster Sessions Acute Hepatitis (AH) of Unknown Origin after High-dose Intravenous Glucocorticoid (IVCG) Pulse Therapy for Graves' Ophthalmopathy (GO) E. Morabito¹, M. Marino¹, M.A. Altea¹, R. Rocchi¹, F. Menconi¹, B. Mazzi¹, M. Brunetto², A. Pinchera¹, C. Marcocci¹ Departments of ¹Endocrinology and ²Liver Disease, University of Pisa, Hospital of Pisa, Italy Program Number 63 Thyroid Diseases Wednesday/Thursday Poster Sessions Sequential Fine-Needle Aspiration Biopsy in the Management of Thyroid Nodular Disease: A Costeffectiveness Analysis J.C. Furlan¹, Y.C. Bedard², I.B. Rosen¹ Departments of ¹Surgery and ²Pathology and Laboratory Medicine, Mount Sinai Hospital, University of Toronto, Toronto, Ontario, Canada Program Number 64 Thyroid Diseases Wednesday/Thursday Poster Sessions Rehabilitation of Facial Disfigurement in Thyroid-related Orbitopathy: Analysis of Evelid Contour after **Bony Decompression** E. Chang^{1, 2}, C. Bernardino², P. Rubin² ¹Doheny Eye Institute, Keck School of Medicine of the University of Southern California, Los Angeles, California; and ²Massachusetts Eye and Ear Infirmary, Harvard Medical School, Boston, Massachusetts, USA Program Number 65 Thyroid Diseases Wednesday/Thursday Poster Sessions Liver Enzyme Abnormalities and Anemia in Subacute Granulomatous Thyroiditis B. Moavedoddin, V. Fatourechi Division of Endocrinology, Metabolism and Nutrition, Mayo Clinic, Rochester, Minnesota, USA Wednesday/Thursday Poster Sessions Program Number 66 Thyroid Diseases Neuropsychological (NP) Characteristics of Children with Atypical Hypothyroidism Suggest a Common **Profile of Attention and Math Deficits** J. Rovet, D. Daneman, C. Huang The Hospital for Sick Children, Toronto, Ontario, Canada Program Number 67 Thyroid Diseases Wednesday/Thursday Poster Sessions Surgical Treatment for Childhood Graves' Disease K. Sugino, T. Mimura, M. Nagahama, N. Fukunari, K. Ito Ito Hospital, Tokyo, Japan Program Number 68 Thyroid Diseases Wednesday/Thursday Poster Sessions Maternal Propylthiouracil to Prevent Fetal Hyperthyroidism J. Ginsberg, T. McNab, E. Raff Department of Medicine, University of Alberta, Edmonton, Alberta, Canada Program Number 69 Thyroid Diseases Wednesday/Thursday Poster Sessions Recombinant Thyrotropin to Minimize the Risk of Deterioration in Ophthalmopathy in a Patient with **Papillary Thyroid Cancer** A. Sturrock¹, M. Stearns¹, K. Pigott¹, W. Wiersinga², M. Vanderpump¹ ¹Royal Free Hospital, London, England, United Kingdom; and ²University of Amsterdam, Amsterdam, The Netherlands

Wednesday, September 17, 2003

Program Number 71 Thyroid Hormone Action Wednesday/Thursday Poster Sessions Effects of Thyroid Hormones on Cerebral Motor Cortex of Adult Rats F. Battaglia¹, A. Quartarone², O. Arancio¹, F. Trimarchi³, P. Girlanda², S. Benvenga³. ¹Dementia Research Unit, NKI/NYU School of Medicine, New York, New York, USA: and ²Neurologia 2 and ³Endocrinologia, University of Messina, Messina, Italy Program Number 72 Wednesday/Thursday Thyroid Hormone Action Poster Sessions The Pro-angiogenic Action of Thyroid Hormone Is Fibroblast Growth Factor-dependent and Is Initiated at the Cell Surface F.B. Davis¹, S. Mousa², S. Mohamed², H.-Y. Lin³, P.J. Davis^{1,3,4} ¹Ordway Research Institute, ²Albany College of Pharmacy, ³Stratton VA Medical Center, and ⁴New York State Department of Health, Albany, New York, USA Program Number 73 Thyroid Hormone Action Wednesday/Thursday Poster Sessions T4-Regulated Actin Polymerization Is Restored by Replacement of TR $\Delta \alpha$ 1, but Not Full-length (FL) TR α 1, in TRa1^{-/-} Astrocytes A.P. Farwell¹, J.L. Leonard² Departments of ¹Medicine and ²Physiology, University of Massachusetts Medical School, Worcester, Massachusetts, USA Program Number 74 Thyroid Hormone Action Wednesday/Thursday Poster Sessions Yeast Gene Activation Assays Detect Differences in Coactivator and Corepressor Functional Properties among Artificial and Natural Mutants Causing Resistance to Thyroid Hormone Y.-F. Yang¹, M. Shuen², W. Liu², P. Webb³, J.D. Baxter³, J.S. Mymyrk², P.G. Walfish¹ ¹University of Toronto & Mount Sinai Hospital, Toronto, Ontario, Canada; ²University of Western Ontario & London Regional Cancer Center, London, Ontario, Canada; and ³University of California-San Francisco, San Francisco, California, USA Program Number 75 Thyroid Hormone Action Poster Sessions Wednesday/Thursday Transactivation Domain-1 (AF-1) of the Human Thyroid Hormone Receptor (h-TR) Is Essential for T3 and T3/GRIP1 but Not Human Adenovirus 5 Early Region 1A (E1A)-dependent Gene Activation Y.-F. Yang¹, M. Shuen², P. Webb³, J.D. Baxter³, J.M. Mymyrk², P.G. Walfish¹ ¹University of Toronto & Mount Sinai Hospital, Toronto, Ontario, Canada; ²University of Western Ontario & London Regional Cancer Center, London, Ontario, Canada; and ³University of California-San Francisco, San Francisco, California, USA Program Number 76 Thyroid Hormone Action Wednesday/Thursday Poster Sessions Expression of Growth Regulators in Thyrotropic Tumors Responsive and Nonresponsive to Thyroid Hormone V.D. Sarapura, W.M. Wood, W.W. Woodmansee, J.M. Kerr, D.J. Haakinson, J.M. Dowding, D.F. Gordon, E.C. Ridgway Division of Endocrinology, Metabolism and Diabetes, Department of Medicine, University of Colorado Health Sciences Center, Denver, Colorado, USA Program Number 77 Thyroid Hormone Action Wednesday/Thursday Poster Sessions Thyroid Hormone Stimulates Gene and Protein Expression of Proliferation-associated Keratin 6a J.D. Safer, T.M. Crawford, M.F. Holick Section of Endocrinology, Department of Medicine, Boston University School of Medicine, Boston, Massachusetts, USA

Program Number 78 Thyroid Hormone Action Wednesday/Thursday Poster Sessions The Effects of Thyroid Hormone on Cytokines-induced Proliferation and Invasion in Human Trophoblast Cells K.J. Barber¹, F.L. Khanim¹, C.J. McCabe¹, J.N. Bulmer², G. St.J. Whitlev³, J.A. Franklyn¹, M.D. Kilby¹ ¹University of Birmingham, Birmingham, England; ²School of Pathological Science, University of Newcastle, Newcastle, England; and ³Department of Biochemistry, St. George's Medical School, England, United Kingdom Program Number 79 Thyroid Hormone Action Wednesday/Thursday Poster Sessions Hamster Pancreas TRH Gene Expression by Real Time Ouantitative PCR (RT-PCR) Analysis Is Stimulated by Dexamethasone and Inhibited by T3 J.N. Flanagan¹, L. Cai¹, J.T. Deeney², B.E. Corkey², G.L. Peterfreund¹, S.L. Lee¹ ¹Section of Endocrinology, Diabetes and Nutrition, Boston University School of Medicine, Boston Medical Center, and ²Obesity Research Center, Boston University School of Medicine, Boston, Massachusetts, USA Program Number 80 Thyroid Hormone Action Wednesday/Thursday Poster Sessions Levothyroxine Suppressive Therapy for Solitary Thyroid Nodules A. Uzunkoy Department of Surgery, Harran University School of Medicine, Sanliurfa, Turkey Program Number 81 Thyroid Imaging Wednesday/Thursday Poster Sessions Clinical Evaluation of Color-Doppler Imaging for the Differential Diagnosis of Thyroid Follicular Lesions N. Fukunari, K. Tanaka, M. Nagahama, K. Sugino, K. Ito Ito Hospital, Tokyo, Japan Program Number 82 Thyroid Imaging Wednesday/Thursday Poster Sessions **Thyroid Incidentalomas on FDG PET Scans: An Institutional Review** M. Skugor, B. Bybel The Cleveland Clinic Foundation, Cleveland, Ohio, USA Program Number 83 Thyroid Imaging Wednesday/Thursday Poster Sessions Thyroid Volume in Schoolchildren in a Sufficient-iodine-intake Area G.C. Duarte, R.Y.A. Camargo, E.K. Tomimori, G. Medeiros-Neto University of São Paulo Medical School, São Paulo, Brazil Program Number 84 Thyroid Imaging Wednesday/Thursday Poster Sessions A Survey on the Utilization of Thyroid Ultrasound in the Clinical Endocrinology Training Programs F. Zangeneh, H. Gharib Division of Endocrinology, Metabolism, Nutrition and Internal Medicine, Mayo Clinic and Mayo Graduate School of Medicine, Rochester, Minnesota, USA Program Number 85 Thyroid Imaging Wednesday/Thursday Poster Sessions Prevalence of Malignant Thyroid Disease in a Relatively-low-iodine-intake Area after a Higher Iodine Intake E.K. Tomimori, R.Y.A. Camargo, G.A. Medeiros-Neto Thyroid Unit, São Paulo University School of Medicine, São Paulo, Brazil

Wednesday, September 17, 2003

Ultrasound (US)-guided E. Kadakovska ¹ , A. Platk	Thyroid Imaging Wednesday/Thursday Poster Sessions Aspiration Biopsy of Thyroid: Importance in Clinical Practice rajis ² and Lung Diseases of Latvia and ² Sate Hospital "Gailezers,"
3:00 – 4:30 pm	Ponce de Leon Ballroom Annual Business Meeting of the American Thyroid Association
	Members Only
3:00 – 3:30 pm	Mediterranean Ballroom View Exhibits and Refreshment Break
6:30 – 10:00 pm	Social Event Ragtops Museum and Reception
	Buses depart at 6:30 pm from Main Lobby Entrance

75th Annual Meeting of the American Thyroid Association The Breakers Hotel Palm Beach, Florida September 16-21, 2003

Thursday, September 18, 2003

6:00 – 7:45 am	Venetian Ballroom Thyroid Cancer Therapy and Monitoring: Current and Future Approaches				
	Moderator: Jacob Robbins The Utility of Guidelines in the Management of Patients with				
	Differentiated Thyroid Carcinoma PET Imaging in Differentiated Thyroid Cancer: Where does it	Steven I. Sherman			
	fit and how do we use it? rhTSH-stimulated Radioiodine Therapy: Lessons from a	Richard T. Kloos			
	Single-Center Experience	Richard Robbins			
	"Early Riser" CME Symposium and breakfast supported by an u grant from Genzyme Corporation	unrestricted educational			
8:00 – 8:40 am	Venetian Ballroom				
	Sidney H. Ingbar Distinguished Lectureship This award recognizes outstanding academic achievements in thyroidology, in keeping with the innovation and vision that epitomized Dr. Ingbar's brilliant investigative career. The award is conferred upon an established investigator who has made major contributions to thyroid-related research over many years. The award is supported in part by an unrestricted educational grant from Abbott Laboratories.				
	Thyroid Hormone Receptor Mutants: Molecular Actions and Roles in Disease				
	Sheue-yann Cheng, PhD Chief, Gene Regulation Section Laboratory of Molecular Biology Center for Cancer Research National Cancer Institute National Institutes of Health Bethesda, Maryland				
8:45 – 10:00 am	Simultaneous Sessions				
	Venetian Ballroom Clinical Oral Abstracts Chairs: S. Thomas Bigos and Jeffrey R. Garber				
Program Number 87 Weston Area T4/T3 (T) Therapy	Thyroid Hormone Action Thursday of hyroid Hormone Replacement) Study: Psychological Effects of	Clinical Oral 8:45 am f Combined T4/T3			
P. Saravanan ¹ , D.J. Simi ¹ University Research Ce Support Unit, Bristol	mons ¹ , R. Greenwood ² , T.J. Peters ³ , C.M. Dayan ¹ ntre for Neuroendocrinology and ² Research & Development Royal Infirmary, Bristol, England; and ³ Division of Primary ity of Bristol, Bristol, England, United Kingdom				

Thursday, September 18, 2003

Program Number 88 Iodine Uptake and Metabolism Thursday Clinical Oral 9.00 am How Effective Are Different Countermeasures after Accidental Incorporation of Radioactive Iodine? M. Luster, M. Schneider-Ludorff, G. Goulko, M. Lassmann, H. Haenscheid, C. Reiners Department of Nuclear Medicine, University of Wuerzburg, Wuerzburg, Germany Program Number 89 Autoimmunity Thursday Clinical Oral 9:15 am High Prevalence of Autoimmune Thyroiditis in Patients with Polycystic Ovary Syndrome O.E. Janssen¹, N. Mehlmauer², S. Hahn¹, A.H.Oeffner³, R. Gartner² ¹Department of Medicine, University of Essen, Essen; ²Department of Medicine, Hospital Schwabing, Munich; and ³Department of Medicine, Ludwig Maximilians University, Munich, Germany Program Number 90 Thyroid Hormone Action Thursday Clinical Oral 9:30 am Amiodarone Inhibits the 3,5,3'-Triiodothyronine-dependent Increase of Na+/K+ATPase Activity and **Concentration in Human Atrial Myocardial Tissue** F. Forini¹, S. Balzan¹, G. Nicolini¹, B. Murzi², G. Iervasi¹ ¹CNR Institute of Clinical Physiology, Pisa, Italy; and ²Pediatric Hospital, Division of Cardio-surgery, CNR Massa, Italy Thyroid Hormone Metabolism Program Number 91 Thursday Clinical Oral 9:45 am Time of Onset and Magnitude of Increase in Levothyroxine Requirements during Pregnancy in Women with Hypothyroidism E.K. Alexander¹, E. Marqusee¹, J. Lawrence³, P. Jarolim², G.A. Fischer², P.R. Larsen¹ ¹Division of Endocrinology, Department of Medicine, and ²Department of Pathology, Brigham and Women's Hospital and Harvard Medical School, Boston, Massachusetts; ³Endocrine Associates, Valdosta, Georgia 8:45 - 10:00 am Simultaneous Sessions Ponce de Leon Ballroom **Basic Oral Abstracts** Chairs: Antonio Bianco and Christine Spitzweg Program Number 92 Cancer Thursday **Basic** Oral 8:45 am Molecular Signature of Thyroid Follicular Tumors Presenting the PAX8-PPARy1 Gene Rearrangement L. Lacroix, H. Ripoche, V. Lazar, B. Caillou, P. Dessen, M. Schlumberger, J.-M. Bidart Institut Gustave Roussy, Villejuif, France Program Number 93 Cancer Thursday **Basic** Oral 9:00 am Pituitary Tumor Transforming Gene (PTTG) Binding Factor (PBF) in Thyroid Cancer A.L. Stratford, K. Boelaert, F.L. Khanim, D.S. Kim, J.A. Franklyn, C.J. McCabe Division of Medical Sciences, University of Birmingham, Queen Elizabeth Hospital, Birmingham, England, United Kingdom Program Number 94 Thursday **Basic** Oral 9:15 am Cancer **RET/PTC Induces EGF Receptor Expression and Formation of RET/PTC-EGFR Heterodimers in Thyroid** PCCL3 Cells

M. Croyle, J.A. Knauf, J.A. Fagin

Division of Endocrinology and Metabolism, University of Cincinnati College of Medicine, Cincinnati, Ohio, USA

Program Number 95 The Follicular Thyroid	Cancer Carcinoma-as	Thursday ssociated PAX8/PPAR-γ	Basic Oral Fusion Gene Is a Tra	9:30 am Insforming Oncogene:	
The NIH-3T3 Cell Focu		•		8 8	
		. Hay, N.L. Eberhardt, S.		ſ	
Division of Endocrinolog	gy, Mayo Clini	c and Foundation, Roches	ster, Minnesota, USA		
Program Number 96	Cancer	Thursday	Basic Oral	9:45 am	
		ical Significance of RET	6	1 V V	
R. Ciampi, Z. Zhu, M. G	• •	y FISH, Southern Blot, a	and various Sensitivit	y KI-PCK Assays	
		Cincinnati, Cincinnati, C	Dhio USA		
- ·F	,	,, -	,		
9:30 am – 4:00 pm	Mediterranear				
	Exhibit Hall	open			
10:00 – 10:30 am	Mediterranear				
	Refreshment	Break in the Exhibit Ha	all		
10:30 – 12:00 noon	Simultaneous	Symposia			
	Venetian Ball				
	Clinical: Effects of Thyroid Hormone on Skeletal and Cardiac Muscle Chair: Virginia D. Sarapura				
		ormal thyroid function on	muscle strength	Michael D. Brennan	
		n skeletal muscle	musere strength	Jayne A. Franklyn	
		one and cardiac function		Wolfgang Dillmann	
	<u> </u>			0.0	
10:30 – 12:00 noon	Simultaneous	Symposia			
	Ponce de Leon	n Ballroom ular Pathways in Thyro	id Carainaganasis		
		th D. Burman	iu Carcinogenesis		
		rearrangement in thyroid	cancer	Bryan McIver	
		s, and raf pathway in thyr		Yuri Nikiforov	
	AKT signaling	g in thyroid carcinogenes	is	Matthew Ringel	
Noon – 1:30 pm	Ponce de Leon	n Ballroom			
	Poster Review and Lunch				
	Review of Pos				
	Posters 19-86				
	Investigators	available to discuss their	posiers		
1:30 – 3:00 pm	Simultaneous	Sessions			
	Venetian Ball	room			
	Clinical Oral				
	Chairs: Quan-	yang Duh and Martin I. S	Surks		

Thursday, September 18, 2003

Program Number 97 Cancer Thursday Clinical Oral 1:30 pm A Unique Mutation in the RET Proto-oncogene Produces an Unusual MEN2a Phenotype: Clinical, Genetic, and Biochemical Characterization W. Kinlaw¹, R. Maue², R. Harris³, W. Noll⁴ Departments of ¹Medicine, ²Biochemistry and Physiology, ³Radiology, and ⁴Pathology, Dartmouth Medical School, Lebanon, New Hampshire, USA Program Number 98 Cancer Thursday Clinical Oral 1:45 pm Predicting Survival for Differentiated Thyroid Carcinoma Based on an 8-Factor Prognostic Score Seraphim M. O'Connell¹, R. A'Hearn², C. Harmer² ¹Department of Clinical Oncology, Guy's & St Thomas' Cancer Centre, London, England; and ²Thyroid Unit, The Royal Marsden Hospital, Surrey, England, United Kingdom Program Number 99 Cancer Thursday Clinical Oral 2:00 pm Real-time Prognosis in Metastatic Thyroid Cancer Based on FDG-PET Scanning R. Robbins, R. Reibke, W. Drucker, R. Tuttle, Q. Wan, R. Grewal, M. Gonen, H. Strauss, S. Larson Memorial Sloan-Kettering Cancer Center, New York, New York, USA Program Number 100 Cancer Thursday Clinical Oral 2:15 pm Vascular Invasion as Prognostic Indicator in Papillary and Follicular Thyroid Carcinomas J.C. Furlan¹, Y.C. Bedard², I.B. Rosen¹ Departments of ¹Surgery and ²Pathology and Laboratory Medicine, Mount Sinai Hospital, University of Toronto, Toronto, Ontario, Canada Program Number 101 Cancer Thursday Clinical Oral 2:30 pm Comparison of 18 F DOPA PET versus 18 FDG PET in the Follow-up of MTC Patients: First Results W. Langsteger, M. Heinisch, E. Rechberger, P.J. Panholzer, M. Wenger, P. Sadik, U. Salomon PET Center Linz, Department of Nuclear Medicine & Endocrinology, St. Vincent's Hospital, Linz, Austria Program Number 102 Cancer Thursday Clinical Oral 2:45 pm Treatment of Thyroid Cancer Metastases with 131-I following Thyroid Hormone Withdrawal or **Recombinant Human TSH** R. Robbins¹, S. Larson², K. Pentlow², R. Tuttle¹ ¹Endocrine Service and ²Nuclear Medicine Service, Memorial Sloan-Kettering Cancer Center, New York, New York, USA Simultaneous Sessions 1:30 - 3:00 pm Ponce de Leon Ballroom

Ponce de Leon Ballroom Basic Oral Abstracts Chairs: James R. Baker, Jr. and Yi-chi M. Kong Program Number 103 Autoimmunity Thursday Basic Oral 1:30 pm Low-dose Immunization with Adenovirus Expressing the TSH Receptor Alpha Subunit Deviates the Antibody Response toward That of Autoantibodies in Graves' Disease C.-R. Chen, P. Pichurin, G.D. Chazenbalk, H. Aliesky, S.M. McLachlan, B. Rapoport Autoimmune Disease Unit, Cedars-Sinai Research Institute and University of California-Los Angeles, Los Angeles, California, USA Program Number 104 Autoimmunity Thursday **Basic** Oral 1:45 pm Roles of TNF-related Apoptosis-inducing Ligand in Experimental Autoimmune Thyroiditis S. Wang, Z. Cao, J. Wolf, J.Baker, Jr. Center for Biologic Nanotechnology, University of Michigan Medical Center, Ann Arbor, Michigan, USA Program Number 105 Autoimmunity Thursday Basic Oral 2:00 pm Promiscuous Thymic and Spleenic Expression of Thyroid Peroxidase and Predisposition to Autoimmune **Thyroiditis in Mouse Model** H.P. Ng, J.P. Banga, A.W.C. Kung Department of Medicine, The University of Hong Kong, Queen Mary Hospital, Hong Kong, China Program Number 106 Autoimmunity Thursday **Basic** Oral 2:15 pm Preparation and Characterization of Transgenic Mice Expressing MHC Class II Molecules on Thyroid Cells Y.-S. Li¹, N. Kanamoto¹, Y. Hataya¹, K. Moriyama¹, K. Nakao¹, T. Akamizu^{1,2} ¹Department of Medicine and Clinical Science and ²Translational Research Center, Kyoto University School of Medicine, Kyoto, Japan Program Number 107 Autoimmunity Thursday **Basic** Oral 2:30 pm Dendritic Cell-bound Anti-CTLA-4 Antibody Engages CTLA-4 and Induces Thyroglobulin-specific T-Cell Tolerance C. Vasu¹, B.S. Prabhakar², M.J. Holterman¹ Departments of ¹Surgery and ²Microbiology & Immunology, University of Illinois at Chicago, Chicago, Illinois, USA Program Number 108 Autoimmunity Thursday Basic Oral 2:45 pm Determination of Thyroid Peroxidase (TPO) T Cell Epitopes in Mice That Develop TPO Antibodies **Resembling Human Autoantibodies after TPO-DNA Vaccination** J. Guo¹, P.N. Pichurin¹, J.C. Morris², B. Rapoport¹, S.M. McLachlan¹ ¹Autoimmune Disease Unit, Cedars-Sinai Research Center and University of California-Los Angeles, Los Angeles, California; and ²Division of Endocrinology and Metabolism, Department of Medicine, Mayo Clinic, Rochester, Minnesota Mediterranean Ballroom 3:00 - 3:30 pm **Refreshment Break in the Exhibit Hall**

Thursday, September 18, 2003

3:30 – 5:00 pm	Simultaneous Symposia				
	Venetian Ballroom Clinical: Utility of Ultrasonography in Thyroid Disease Chair: Victor J. Bernet				
	Evaluation of thyroid nodules and US-guided biopsy	Susan J. Mandel			
	Uses of preoperative and intraoperative ultrasound for thyroid cancer monitoring	I. Ross McDougall			
	US-guided ethanol injection in selected patients with recurrent/persistent thyroid cancer	Ian D. Hay			
3:30 – 5:00 pm	Simultaneous Symposia				
	Ponce de Leon Ballroom				
	Basic: Thyroid and Deafness				
	Chair: John T. Dunn	~ -			
	Iodine deficiency and hearing loss	Steve Boyages			
	Pendred syndrome	Lorraine Everett			
	TR KO mouse models	Douglas Forrest			
5:00 – 5:30 pm	Venetian Ballroom				
I	Historical Vignette				
	Thyroid Hormone Therapy Over the Past Hundred Years Clark T. Sawin				
5:30 – 7:00 pm	Venetian Ballroom				
-	Thyroidology on the Internet: The Good, The Bad, and The Ugly				
	Moderator: Paul W. Ladenson				
	What's Out There in Thyroid Cyberspace?: A Survey of Thyroid-related Websites	Paul W. Ladenson			
	What Thyroid Patients Seek and Find on the Internet	Matthew I. Kim			
	Internet Resources for Thyroid Research	Matthew D. Ringel			
	CME Symposium and Wine & Cheese Reception supported by educational grant from Monarch Pharmaceuticals and Jones				

educational grant from Monarch Pharmaceuticals and Jones Pharma, Wholly Owned Subsidiaries of King Pharmaceuticals, Inc.

75th Annual Meeting of the American Thyroid Association The Breakers Hotel Palm Beach, Florida September 16-21, 2003

Friday, September 19, 2003

6:00 – 7:45 am	Venetian Ballroom Issues in Precise Thyroxine Therapy				
	Moderator: Peter A. Singer				
	Optimal TSH Targets for Various Thyroid Disorders: What				
	are they and how do we achieve them?	Douglas Ross			
	Drugs and Medical Conditions Altering T4 Dosimetry	Cary N. Mariash			
	Different T4 Formulations: Does It Matter?	James Hennessey			
	"Early Riser" Symposium and Breakfast supported by an unrestricted educational grant				
	from Abbott Laboratories				
8:00 – 8:45 am	Venetian Ballroom				
	Van Meter Award Lecture – To Be Announced				
	Established in 1930, the Van Meter is awarded to an investi				
	for outstanding contributions to research on the thyroid gla	•			
	Supported by an educational grant from Quest Diagnostics	Incorporated			
9:00 – 10:30 am	Simultaneous Symposia				
	Venetian Ballroom				
	Clinical Grand Rounds: Unusual LT4 requirements (malabsorption, testing for				
	malabsorption, LT4 antibodies)				
	Moderator: E. Chester Ridgway				
	Steven I. Sherman				
	Elaine M. Kaptein				
	George Kahaly				
	Supported in part by an unrestricted educational grant from	Abbott Laboratories			
9:00 – 10:30 am	Simultaneous Symposia				
	Ponce de Leon Ballroom				
	Basic: Thyrocyte Development				
	Chair: Nancy Carrasco				
	Role of TSHr in thyrocyte development	Reigh Yi Lin			
	Role of TSHr signaling in thyroid gland differentiation	Roberto DiLauro			
	Genetic regulation of thyroid development	Peter Kopp			
	Service regulation of anytoid development	r our rrohh			
9:30 – 1:30 pm	Mediterranean Ballroom				
I	Exhibit Hall open				
	*				

Friday, September 19, 2003

Mediterranean Ballroom

10:30 - 11:00 am

Refreshment Break in the Exhibit Hall 11.00 am – Noon Simultaneous Sessions Venetian Ballroom **Clinical Oral Abstracts** Chairs: Vahab Fatourechi and Susan J. Mandel Program Number 109 Cancer Clinical Oral 11:00 am Friday Detection of TSH Receptor mRNA Transcripts in Peripheral Blood: A Marker for Preoperative Detection of Thyroid Cancer K. Wagner, R.Arciaga, K.Chen, A. Siperstein, M. Milas, S.S.K. Reddy, M.K. Gupta The Cleveland Clinic Foundation, Cleveland, Ohio, USA Program Number 110 Clinical Oral 11:15 am Cancer Friday A Simplified Regimen for rhTSH-assisted RAI Remnant Ablation (RRA) R.M. Tuttle, R.R. Qualey, C. Divgi, S. Larson, R.R. Robbins Memorial Sloan Kettering Cancer Center, New York, New York, USA Program Number 111 Cancer Friday Clinical Oral 11:30 am Inverse Association between Age at Radiation and the Size of Thyroid-incidentaloma in Cases with History of Radiotherapy for Tinea Capitis S.R. Zakavi¹, Z. Mousavi¹, H. Rezaei Deluie¹, M. Mehrabi¹, J. Farahati² ¹Clinic for Endocrinology and Nuclear Medicine, University of Mashad, Iran; and ²Clinic for Nuclear Medicine, Bethesda Essen, Germany Program Number 112 Cancer Friday Clinical Oral 11:45 am Differentiated Thyroid Cancer: Analysis of Prognostic Factors and Effect of Treatment from a Single Institution on Patients Treated in a Forty-year Period J. Brierley^{1,2}, R. Tsang^{1,2}, T. Panzarella³, N. Bana¹ ¹Department of Radiation Oncology, Princess Margaret Hospital, ²Department of Radiation Oncology, University of Toronto, ³Department of Biostatistics, Princess Margaret Hospital, Toronto, Ontario, Canada 11:00 am - Noon Simultaneous Sessions Ponce de Leon Ballroom **Basic Oral Abstracts** Chairs: Rosalind Brown and Peter Kopp Program Number 113 Thyroid Hormone Action Friday Basic Oral 11:00 am **RanBPM: A New Coactivator for Thyroid Hormone Receptors** M.B. Poirier, L. Laflamme, M.F. Langlois Department of Medicine, Division of Endocrinology, University of Sherbrooke, Sherbrooke, Quebec, Canada

Program Number 114 Thyroid Hormone Metabolism Fridav **Basic** Oral 11:15 am Type 2 Deiodinase (D2) Is Not Essential for All Thyroid Hormone-dependent Developmental Processes in the Mouse Central Nervous System (CNS) V. Galton, E. Wood, D. St. Germain Departments of Physiology and Medicine, Dartmouth Medical School, Lebanon, New Hampshire, USA Program Number 115 Thyroid and Development Friday **Basic** Oral 11:30 am Thyroid Hormone Modulates Heparan Sulphate Proteoglycan Expression in the Growth Plate J.H.D. Bassett, R. Swinhoe, G.R. Williams Molecular Endocrinology Group, MRC Clinical Sciences Centre, Imperial College, Hammersmith Hospital, London, England, United Kingdom Program Number 116 Cancer Friday **Basic** Oral 11:45 am Molecular Profiling Distinguishes Papillary Carcinoma from Benign Thyroid Nodules D. Finley¹, B. Lee², B. Zhu¹, T. Fahey III¹ ¹Department of Surgery, Weill Cornell Medical College, New York, New York; and ²Department of Surgery, Lenox Hill Hospital, New York, New York, USA Friday – Saturday Ponce de Leon Ballroom **Poster Sessions** Posters 117 - 184 Autoimmunity Program Number 117 Friday/Saturday Poster Sessions By-stander Activation in Autoimmune Thyroiditis: Studies on Experimental Autoimmune Thyroiditis (EAT) in the Green Fluorescent Mouse N. Arata, T. Ando, T.F. Davies Division of Endocrinology, Diabetes, and Bone Diseases, Department of Medicine, Mount Sinai School of Medicine, New York, New York, USA Program Number 118 Poster Sessions Autoimmunity Friday/Saturday Autoantibodies in Graves' Disease and a Hamster Thyroid Stimulating Monoclonal Antibody Differ in Their Recognition of the Free TSH Receptor a Subunit G.D. Chazenbalk, F. Latrofa, S.M. McLachlan, B. Rapoport Autoimmune Disease Unit, Cedars-Sinai Research Institute and University of California-Los Angeles, Los Angeles, California, USA Poster Sessions Program Number 119 Autoimmunity Friday/Saturday Autoimmune Thyroid Disease within the Scope of Polyglandular Autoimmunity M. Dittmar, G.J. Kahaly Department of Medicine I, Gutenberg University, Mainz, Germany

 Program Number 120 Autoimmunity Friday/Saturday Is Familial Graves' Disease (GD) the Same as Sporadic GD? Y. Ban¹, D.A. Greenberg², E.S. Concepcion¹, R.B. Villanueva¹, T.F. Davies¹, Y. Tomer¹ ¹Division of Endocrinology, Diabetes, and Bone Diseases, Department of Medicine, Mount Sinai School of Medicine, New York, New York; and²Division of Statistical Genetics, Columbia University, New York, New York, USA 	Poster Sessions
 Program Number 121 Autoimmunity Friday/Saturday Tri-iodo-thyronine (T3) Reduces the Incidence of Diabetes and Increases the Relati Rats ML. Hartoft-Nielsen, A. Kaas, T. Bock, M. Skau, A.K. Rasmussen, U. Feldt-Rasmussen, K. Buschard. Bartholin Instituttet and Department of Endocrinology, Rigshospitalet, Copenhagen, Denmark 	Poster Sessions ve Beta-cell Mass in
 Program Number 122 Autoimmunity Friday/Saturday Absence of Effect of Octreotide-LAR on T-Cell Subsets in Patients with Active Thy Orbitopathy B. Vaidya¹, B. Shenton², S. Stamp², M. Miller¹, A.J. Dickinson³, P. Perros¹, E. Baister⁴, C. Andrews⁴, P. Kendall-Taylor¹ Departments of ¹Endocrinology, ²Surgery, and ³Ophthalmology, Newcastle University, Newcastle upon Tyne; and ⁴Novartis Pharmaceutical Corporation, United Kingdom 	Poster Sessions roid-associated
 Program Number 124 Autoimmunity Friday/Saturday Amino Acid Sequence Homologies between <i>Borrelia burgdoferii</i> Proteins and Huma F. Guarneri¹, M. Vaccaro¹, C. Guarneri¹, F. Trimarchi², S. Benvenga² ¹Institute of Dermatology and ²Sez. di Endocrinologia del Dip. Clinico Sperimentale di Medicina e Farmacologia, University of Messina, Messina, Italy 	Poster Sessions an Thyroid Autoantigens
Program Number 125 Autoimmunity Friday/Saturday Autoimmune Thyroiditis and Thyroid Carcinoma in Childhood A. Kurtev Clinic of Pediatric Endocrinology, University Pediatric Hospital, Sofia, Bulgaria	Poster Sessions
 Program Number 126 Autoimmunity Friday/Saturday High Prevalence of Thyroid Autoimmunity in Patients with <i>Pemphigus Vulgaris</i> D. Moncet, R.R. Glorio, F. Pitoia, F. Rodriguez Costa, A.G. Diaz, H. Cabrera, H. Niepomniszcze Endocrinology and Dermatology Divisions, Hospital de Clinicas, University of Buenos Aires, Buenos Aires, Argentina 	Poster Sessions
Program Number 127 Cancer Friday/Saturday Radioiodine Therapy of Medullary Thyroid Cancer following Calcitonin Promoter- the Sodium Iodide Symporter N. Cengic ¹ , C. Baker ² , I. Scholz ¹ , E. Bergert ² , B. Göke ¹ , J. Morris ² , C. Spitzweg ¹ ¹ Department of Internal Medicine II, Ludwig-Maximilians-University, Munich, Germany; and ² Department of Endocrinology, Mayo Clinic, Rochester, Minnesota, USA	Poster Sessions -driven Expression of

Friday, September 19, 2003

Program Number 128 Cancer Friday/Saturday Poster Sessions Nuclear Phosphorylated AKT1 Is a Critical Regulator of Thyroid Cancer Cell Invasion V. Vasko^{1,2}, M. Saji¹, V. Savchenko², A. Larin², K.D. Burman¹, M.D. Ringel¹. ¹MedStar Research Institute/ Washington Hospital Center, Washington, DC, USA; and ²Center for Endocrine Surgery, Kiev, Ukraine Program Number 129 Friday/Saturday Poster Sessions Cancer **Selenium Inhibits Thyroid Cancer Cell Growth** B. Lee¹, D. Finley², A. Ahmad¹, B. Zhu², T. Fahey III² ¹Department of Surgery, Lenox Hill Hospital, New York, New York; and ²Department of Surgery, Weill Cornell Medical College, New York, New York, USA Program Number 130 Friday/Saturday Poster Sessions Cancer Focal Expression of Molecular Markers of Papillary Thyroid Carcinoma in Hashimoto's Thyroiditis **Suggests Early Transformation** M.L. Prasad¹, Y. Huang², N.S. Pellegata², A. de la Chapelle², R.T. Kloos³ ¹Department of Pathology, ²Human Cancer Genetics Program, The Comprehensive Cancer Center, and ³Division of Endocrinology and Nuclear Medicine, Department of Internal Medicine, Ohio State University, Columbus, Ohio, USA Program Number 131 Poster Sessions Cancer Friday/Saturday Comparative Analysis of Protein Expression Pattern in Anaplastic Thyroid Cancer and Benign Goiter W. Gartner¹, L. Wagner¹, G. Wolf², T. Daneva¹, H. Eidherr³, R. Moriggl⁴, M. Weissel¹ ¹Vienna University Clinic of Internal Medicine III, ²University of Graz, Department for Surgery, ³Vienna University Clinic of Nuclear Medicine, and ⁴Institute of Molecular Pathology, Vienna, Austria Program Number 132 Friday/Saturday Poster Sessions Cancer Long-term Effect of TSH Suppression Therapy on Papillary Carcinoma with Distant Metastasis K. Tanaka^{1,2}, N. Fukunari¹, M. Nagahama¹, K. Sugino¹, K. Ito¹, K. Shimizu² ¹Ito Hospital and ²Nippon Medical University, Surgery II, Tokyo, Japan Program Number 133 Friday/Saturday Cancer Poster Sessions Distinct Patterns of Mitochondrial Changes Associated with Apoptosis Induced by a Farnesyltransferase Inhibitor and a Microtubule Inhibitor in Different Cancer Cells S.-C.J. Yeung, H. Huang, L. Sun Department of General Internal Medicine, Ambulatory Treatment and Emergency Care & Department of Endocrine Neoplasia and Hormonal Disorders, University of Texas M. D. Anderson Cancer Center, Houston, Texas, USA Program Number 134 Friday/Saturday Poster Sessions Cancer Usefulness of Thyroglobulin Measurement in Fine-Needle Aspiration Biopsy Specimens to Diagnose Cervical Lymph Node Metastasis in Patients with Papillary Thyroid Cancer T. Uruno¹, A. Miyauchi¹, K. Shimizu², C. Tomoda¹, Y. Takamura¹, Y. Ito¹, A. Miya¹, K. Kobayashi¹, F. Matsuzuka¹, K. Kuma¹ ¹Kuma Hospital, Kobe, Japan; and ²Department of Surgery II, Nippon Medical School, Tokyo, Japan Program Number 135 Cancer Friday/Saturday Poster Sessions Probasin Promoter (ARR2PB)-driven, Prostate-specific Expression of h-NIS for Targeted Radioiodine **Therapy of Prostate Cancer** H. Kakinuma, E. Bergert, J. Morris Department of Endocrinology, Mayo Clinic, Rochester, Minnesota, USA

Friday, September 19, 2003

Program Number 136 Cancer Friday/Saturday Poster Sessions Quantitative Analysis of Glucose Transporter mRNA Expression in Thyroid Cancer by Real-Time PCR K. Matsuzu¹, F. Segade², D. Bowden^{1,2}, N. Perrier³ Departments of ¹Biochemistry, ²Internal Medicine, and ³Surgery, Wake Forest University School of Medicine, Winston-Salem, North Carolina, USA Program Number 137 Poster Sessions Cancer Friday/Saturday Diagnosis of Microfollicular Architecture on Thyroid Fine Needle Aspiration Biopsy and Frozen Section: **Does It Help in the Diagnosis of Thyroid Follicular Lesions?** L. Haveran¹, A. Ciampa², N. Patwardhan¹, M. Safran³, A. Fischer², B. Xu², A. Khan² Departments of ¹Surgery, ²Pathology, and ³Medicine, University of Massachusetts Medical Center, Worcester, Massachusetts, USA Program Number 138 Poster Sessions Cancer Friday/Saturday Comparison of Diagnostic Performance of Three Thyroglobulin Assays in the Monitoring of Differentiated **Thyroid Carcinoma** M. Sadouk, W. Schneider, A. Boucher, C. de Montigny, J.-M. Boutin Biochemistry Department, Montreal University Hospital Center (CHUM), Montreal, Quebec, Canada Program Number 139 Cancer Friday/Saturday Poster Sessions Influence of Histological Subtypes on Performance of Fine-Needle Aspiration Biopsy and Frozen Section in the Management of Papillary Thyroid Carcinoma J.C. Furlan¹, Y.C. Bedard², I.B. Rosen¹ Departments of ¹Surgery and ²Pathology and Laboratory Medicine, Mount Sinai Hospital, University of Toronto, Toronto, Ontario, Canada Program Number 140 Poster Sessions Cancer Friday/Saturday ^{99m}Tc-Depreotide Scintigraphy and ¹⁸F-Fluorodeoxyglucose (FDG) PET for the Localization of Persistent Metastatic Papillary Thyroid Carcinoma: A Case Report R. Langley¹, R. Bridwell², J. Montilla², C. Shriver³, V. Bernet¹ Departments of ¹Medicine, ²Radiology, and ³Surgery, Walter Reed Army Medical Center, Washington, DC, USA Program Number 141 Cancer Friday/Saturday Poster Sessions Microcarcinoma of Thyroid Gland: How Should It Be Treated? J.C. Furlan¹, Y.C. Bedard², I.B. Rosen¹ Departments of ¹Surgery and ²Pathology and Laboratory Medicine, Mount Sinai Hospital, University of Toronto, Toronto, Ontario, Canada Program Number 142 Friday/Saturday Poster Sessions Cancer Occult Sporadic Medullary Thyroid Carcinoma Presenting with Neck Lymphadenopathy R.A. Hijazi¹, M.A. Habra¹, M.K. Picolos², R.V. Sellin³ ¹Baylor College of Medicine, Houston, Texas; ²University of Texas-Houston Medical School, Houston, Texas; and ³University of Texas MD Anderson Cancer Center, Houston, Texas, USA Program Number 143 Cell Biology Friday/Saturday Poster Sessions Novel Chaperone Actions of Oxido-reductases in the Intracellular Processing of Normal and rdw-Mutant Thyroglobulin S. Menon, W. Abplanalp, P.S. Kim Division of Endocrinology and Program in Cell and Molecular Biology, University of Cincinnati, Cincinnati, Ohio, USA

Program Number 144 Cell Biology Friday/Saturday Poster Sessions PI3K Pathway Mediates Thyroglobulin-stimulated Thyrocyte Growth and Proliferation That Are Associated with Significant Changes in Modulators of G2-M Phase W. Abplanalp, K.O. Kim, P.S. Kim Division of Endocrinology and Program in Cell and Molecular Biology, University of Cincinnati, Cincinnati, Ohio, USA Program Number 145 Cell Biology Friday/Saturday Poster Sessions **Comparative Modeling of the TSH Receptor-TSH Complex** R. Nunez Miguel¹, J. Sanders², J. Jeffreys², H. Depraetere², M. Evans², T. Richards², T. Blundell¹, B. Rees Smith², J. Furmaniak² ¹Department of Biochemistry, University of Cambridge, Cambridge, England; and ²FIRS Laboratories, Cardiff, Wales, United Kingdom Program Number 146 Cell Biology Friday/Saturday Poster Sessions Purification of Tyrosine-phosphorylated 120 kDa-protein from FRTL-5 Cells D.J. Park¹, Y.J. Park¹, T.Y. Kim¹, B.Y. Cho¹, S.G. Rhee² ¹Department of Internal Medicine, College of Medicine, Seoul National University, Seoul, Korea; and ²Laboratory of Cell Signaling, NHLBI, National Institutes of Health, Bethesda, Maryland, USA Program Number 147 Cell Biology Friday/Saturday Poster Sessions Structural Determinants of Thyroglobulin Folding and Intracellular Processing: N-linked Glycosylation Sites, Salt Bridges, Disulfide Bonds, and Domain Truncations J.H. Bae¹, P. Jongsamak^{1,3}, S. Menon^{1,2}, W. Abplanalp¹, B. Panijpan³, P.S. Kim^{1,2} ¹Division of Endocrinology and ²Program in Cell and Molecular Biology, University of Cincinnati, Cincinnati, Ohio, USA; and ³Department of Biochemistry, Faculty of Science, Mahidol University, Bangkok, Thailand Friday/Saturday Poster Sessions Program Number 148 Cell Biology Expression of TGF^β/Activin Signaling Mediators, Smads 2/3, Smad4, and Smad7, in Thyroid Tumors S.E. Matsuo, K.N. Ebina, L. Martins, E.T. Kimura Department of Histology & Embryology, Institute of Biomedical Sciences, University of São Paulo, São Paulo, Brazil Program Number 149 Cell Biology Friday/Saturday Poster Sessions The Adult Spot 14 Null Mouse Exhibits Compensatory Increases in De Novo Lipogenesis G.T. Mucha, G.W. Anderson, C.N. Mariash Division of Endocrinology, Department of Medicine, University of Minnesota, Minneapolis, Minnesota, USA Friday/Saturday Poster Sessions Program Number 150 Cell Biology The TSH Receptor (TSHR) Resides in Lipid Rafts R. Latif, T. Ando, S. Daniel, T.F. Davies Division of Endocrinology, Diabetes and Bone Diseases, Mount Sinai School of Medicine, New York, New York, USA

Friday, September 19, 2003

Thyroglobulin Causing H P. Jongsamak ^{1,3} , S. Menon ¹ Division of Endocrinology	use Acts as a Major [uman Congenital I 1 ^{1,2} , W. Abplanalp ¹ , I 7 and ² Program in Ce Ohio, USA; and ³ De	Molecular Chaperone in the Intracell Hypothyroid Goiter B. Panijpan ³ , P.S. Kim ^{1,2} ell and Molecular Biology, University of partment of Biochemistry, Faculty of	
in a UK Caucasian Popul M.J. Simmonds ¹ , J.M. Hew ¹ Division of Medical Scien	tent of Known TNF ation vard ¹ , R. Nithiyanan ces, University of B and ² Birmingham Ho	F-α Polymorphisms and Their Associa than ² , J.A. Franklyn ¹ , S.C.L. Gough ^{1,2} irmingham, Queen Elizabeth Hospital, eartlands Hospital, Bordesley Green	Poster Sessions tion with Graves' Disease
UK J.E. Collins ¹ , J.M. Heward ¹ Division of Medical Scien Birmingham, England;	vroglobulin Gene M ¹ , J.A. Franklyn ¹ , S.C ces, University of B and ² Division of Me	Iicrosatellite Variant with Autoimmu	Poster Sessions ne Thyroid Disease in the
M. Agote Robertson ¹ , A. G Juvenal ¹ , M.A. Pisarev ¹ ¹ Department of Radiobiolo	echanism by Which amba ¹ , M. Carreras gy, National Atomic pratory of Oxygen M	h Nicotinamide Increases Thyroid Rad ³ , P. Finochietto ³ , J.J. Poderoso ³ , G.J. c Energy Commission; ² Department of Ietabolism, University of Buenos Aires	Poster Sessions liosensitivity
Autoimmunity in Indian R.K. Marwaha ¹ , N. Tandor	st-iodization Phase Children ^{1²} , N.Gupta ² , A.K. K tine & Allied Scienc	: Iodine Status, Thiocyanate Exposure Carak ² , K.Verma ² , N. Kochupillai ² es, New Delhi, India; and ² All India	Poster Sessions e, Thyroid Functions, and
C.Panzer ¹ , R. Beazley ² , L.	Braverman ¹ and ² Department of	Friday/Saturday Hyperthyroid Graves' Disease Surgery, Boston Medical Center,	Poster Sessions

Boston, Massachusetts, USA

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Program Number 157
                              Thyroid Diseases Friday/Saturday
                                                                                                Poster Sessions
Lack of Association of the Vitamin D Receptor Gene with Graves' Disease in the UK
J.E. Collins<sup>1</sup>, J.M. Heward<sup>1</sup>, R. Nithiyananthan<sup>1,2</sup>, S. Nezhentsev<sup>3</sup>, J.A. Franklyn<sup>1</sup>,
   S.C.L. Gough<sup>2</sup>
<sup>1</sup>Division of Medical Sciences, University of Birmingham, Birmingham, England;
   <sup>2</sup>Birmingham Heartlands Hospital, Birmingham, England; and <sup>3</sup>Diabetes and
   Inflammation Laboratory, University of Cambridge, Cambridge, England, United
   Kingdom
                                                    Friday/Saturday
Program Number 158
                              Thyroid Diseases
                                                                                                Poster Sessions
A C/T Polymorphism in the 5'-untranslated Region of the CD40 Gene Is Associated with Graves' Disease
in Koreans
T.Y. Kim<sup>1,2</sup>, Y.J. Park<sup>1,3</sup>, J.Y. Song<sup>2</sup>, K.S. Park<sup>1,2</sup>, D.J. Park<sup>1,2</sup>, B.Y. Cho<sup>1,2</sup>
<sup>1</sup>Department of Internal Medicine, Seoul National University College of Medicine, Seoul, Korea; <sup>2</sup>Department of
Internal Medicine, Clinical Research Institute, Seoul National University Hospital, Seoul, Korea; <sup>3</sup>Department of
Internal Medicine Seoul Municipal Boramae Hospital, Seoul, Korea
Program Number 159
                              Thyroid Diseases
                                                  Friday/Saturday
                                                                                                Poster Sessions
A Comparison of Two Competitive Binding Assays for Porcine TSH-Receptor Antibodies (TRAb and CT-
TRAb) in Graves' Disease and Other Thyroid Disorders
N. Lima, M.S. Cardia, M. Knobel, G. Medeiros-Neto
Thyroid Unit, Endocrine Division, University of São Paulo Medical School, São Paulo,
   Brazil
Program Number 160
                              Thyroid Diseases
                                                  Friday/Saturday
                                                                                                Poster Sessions
Recurrence after Surgical Treatment of Graves' Disease and Autonomous Thyroid Adenoma
Z. Petrovski
Department of Nuclear Medicine, Medical Center, Bitola, Republic of Macedonia
Program Number 161
                              Thyroid Diseases
                                                   Friday/Saturday
                                                                                                Poster Sessions
The Characteristics of Colloid: Malignant versus Benign Entities in Thyroid Fine Needle Aspirations
(FNAs)
M. Williams<sup>1</sup>, E. Mazzaferri<sup>2</sup>, N. Massoll<sup>1,2</sup>
Departments of <sup>1</sup>Pathology and <sup>2</sup>Endocinology, University of Florida, Gainesville,
   Florida, USA
Program Number 162
                              Thyroid Diseases
                                                  Friday/Saturday
                                                                                                Poster Sessions
Atrial Fibrillation Is Associated with Higher Frequency of Mild Thyroid Failure (Serum TSH 5.1–10
mIU/L)
V. Fatourechi<sup>1</sup>, J. Smith<sup>2</sup>, P. Schryver<sup>2</sup>, G. Klee<sup>3</sup>
<sup>1</sup>Division of Endocrinology, Diabetes and Nutrition, <sup>2</sup>Division of Health Care Policy
   and Research, and <sup>3</sup>Department of Laboratory Medicine and Pathology, Mayo
   Clinic, Rochester Minnesota, USA
Program Number 163
                              Thyroid Diseases Friday/Saturday
                                                                                                Poster Sessions
Hypomagnesemia after Total Thyroidectomy: A Prospective Study
S.K. Gupta<sup>1</sup>, A. Agarwal<sup>2</sup>, S.K. Mishra<sup>2</sup>, M.M. Godbole<sup>1</sup>
Departments of <sup>1</sup>Medical Endocrinology and <sup>2</sup>Surgical Endocrinology, Sanjay Gandhi
   Post Graduate Institute of Medical Sciences, Lucknow, India
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Friday, September 19, 2003

 Program Number 164 Thyroid Diseases Friday/Saturday Natural Deposition of Radium in Thyroid Glands L. Van Middlesworth¹, D.R. Shanklin² Departments of ¹Physiology and ²Pathology, University of Tennessee Here Center, Memphis, Tennessee, USA 	Poster Sessions ealth Science
 Program Number 165 Thyroid Hormone Metabolism Tandem LC/MS/MS Analysis of Thyroid Hormones in Human Seru N. Soukhova, N. Janicic-Kahric, J. Jonklaas, S.J. Soldin, O.P. Soldin Bioanalytical Core Laboratory and Endocrinology, General Clinical Res Georgetown University Medical Center, Washington, DC, USA 	
 Program Number 166 Thyroid Hormone Metabolism Effects of Iodothyronines on the Hepatic Outer Ring Deiodinating P C. García-G., M.C. Jeziorski, C. Valverde-R., A. Orozco Instituto de Neurobiología, Universidad Nacional Autónoma de México, UNAM-UAQ-Juriquilla, Querétaro, México 	·
 Program Number 167 Thyroid Hormone Metabolism Expression of Type 2 Deiodinase in the Developing Chicken Brain B. Gereben¹, J. Pachucki², A. Kollár³, Z.S. Liposits¹, C.S. Fekete¹ ¹Institute of Experimental Medicine, Hungarian Academy of Sciences, B Hungary; ²Dept. of Endocrinology, Medical University of Warsaw, W ³Dept. of Medical Biochemistry, Semmelweis University of Medicine Hungary 	Varsaw, Poland;
Program Number 168 Thyroid Hormone Metabolism Comparison of the Acute Effects of Dexamethasone on Iodothyronin Rats V.M. Darras, S. Van der Geyten Laboratory of Comparative Endocrinology, K.U. Leuven, Leuven, Belgi	
 Program Number 169 Thyroid Hormone Metabolism Human Type III Deiodinase Expression and Promoter Analysis in D M. Kester¹, A. Hernandez², G. Kuiper¹, D. St. Germain², T. Visser¹ ¹Department of Internal Medicine, Erasmus Medical Center, Rotterdam, Netherlands; and ²Departments of Medicine and Physiology, Dartmor School, Lebanon, New Hampshire, USA 	The
Program Number 170 Thyroid Hormone Metabolism Thyrotoxicosis from Metastatic Lung Cancer: A Case Report A. Sadhu, P. Cohan, D. Martinez University of California-Los Angeles School of Medicine, Los Angeles,	Friday/SaturdayPoster Sessions California
Program Number 171 Thyroid Nodules and Goiter Serum Levels and Immohistochemical Expression of Hepatocyte Gra Thyroiditis	Friday/SaturdayPoster Sessions owth Factor (HGF) in Hashimoto's
R. M. Ruggeri ¹ , S. Sciacchitano ^{2,3} , A. Vitale ² , P. Cardelli ² , E. Vitarelli ⁴ , M. Trovato ⁴ ¹ Università di Messina, Dip. Clinico-Sperimentale di Medicina e Farmac Sapienza, II Facoltà di Medicina e Chirurgia, Osp.S.Andrea, Roma, Italy Fatebenefratelli, AfaR, Roma, Italy; ⁴ Università di Messina, Dip. di Pato	cologia, Messina, Italy; ² Università La y; ³ Centro di Ricerca Ospedale S.Pietro

Prevalence and Determina J. Farahati, K. Christ, W. O	Thyroid Nodules and Goiter ants of Goiter at Ultrasound in 853 Health ing, C. Beiser, S. Kittel, D. Kleditz e and Radiation Oncology, Bethesda Essen, E	y Adults in German PAPILLON Study
Could the Number and Si K. Seidenberger, A.K.M. B R.Y.A. Camargo	Thyroid Nodules and Goiter ze of Thyroid Nodules Be Considered Pred ezerra, G.C. Duarte, E.K. Tomimori, G. Med Division, University of São Paulo Medical So	lictors of Malignancy? eiros-Neto,
Radioactive Iodine (131I) TSH (rhTSH, ThyrogenR H. Graf ¹ , C.O. Mesa ¹ , C.C. ¹ SEMPR, Endocrine Unit, U		
Fine-Needle Aspiration Bi III): Different Techniques C. Cappelli ¹ , A. Tironi ² , G. Morassi ² , E. Gandossi ¹ ,	Pelizzari ¹ , D. Cumetti ¹ , M. Castellano ¹ , B. A E. Agabiti Rosei ¹ . of Endocrinology, and ² II Pathological Anato	ranodular Vascular Pattern (Pattern gosti ¹ , M.L.
Bedside-prepared FNAB Preservative Solution S. Pena ¹ , A. De Las Morena ¹ Section of Endocrinology,	Thyroid Nodules and Goiter Slides Are Diagnostic More Often Than The as ² , V. Tangpricha ¹ , S. Lee ¹ , J.D. Safer ¹ Diabetes, and Nutrition, Department of Medi ic Pathology, Boston University School of M USA	nose Made Subsequent to Storage in icine, and
Ambulatory 1311 Treatme H. Graf ¹ , C.O.Mesa ¹ , C.C. ¹ SEMPR, Endocrine Unit, H		
E.N. Pearce ¹ , M.B. Zimmer	Thyroid Nodules and Goiter in a Sample of US Schoolchildren mann ² , S.Y. Hess ² , X. He ¹ , S. Pino ¹ , L.E. Bra Diabetes and Nutrition Boston Medical Cer	

Section of Endocrinology, Diabetes, and Nutrition, Boston Medical Center and Boston University School of Medicine, Boston, Massachusetts, USA; and ²Laboratory for Human Nutrition, Swiss Federal Institute of Technology, Zurich, Switzerland

Friday, September 19, 2003

Program Number 179 Thyroid Nodules and Goiter Friday/Saturday Poster Sessions **Evaluation of Multinodular Goiter's Thyroid Function** Y. Noguchi¹, I. Tatsuno¹, T. Ban², K.Suyama¹, M.Fuse¹, Y. Saito¹ ¹Department of Clinical Cell Biology Chiba University Graduate School of Medicine, Chiba, Japan; and ²Chiba Cancer Society, Chiba, Japan Program Number 180 Thyroid Nodules and Goiter Friday/Saturday Poster Sessions The Role of Ultrasound-guided Fine-Needle Aspiration Biopsy in the Evaluation of Thyroid Nodules A. Uzunkoy¹, I. Ozardalı² Departments of ¹Surgery and ²Pathology, School of Medicine, Harran University, Sanliurfa, Turkey Program Number 181 Thyroid Nodules and Goiter Friday/Saturday Poster Sessions Risk of Cancer in Thyroid Nodules with Calcification Detected by Ultrasound A. Bezerra, K. Seidenberger, G. Duarte, R. Camargo, E. Tomimori, G. Medeiros-Neto Thyroid Unit of University of São Paulo Medical School, São Paulo, Brazil Program Number 182 Thyroid Nodules and Goiter Friday/Saturday Poster Sessions Goiter in Iodine-replete but Malnourished and Iron-deficient Population of India: Truth or Myth? R. Brahmbhatt¹, S. Brahmbhatt², C. Eastman², S. Boyages² ¹Pendlebury Clinic, Cardiff, Australia; and ²Western Sydney Area Health Services, Westmead, Australia Program Number 183 Thyroid Nodules and Goiter Friday/Saturday Poster Sessions Thyroid Nodular Disease. Preoperative Unrecognized Malignancy: Role-play in Surgical Management E. Lima-Costa, T. Pimenta, P. Sa-Couto, J. Capela, M. Cardoso, F. Valente, L. Matos-Lima, M. Cardoso-Oliveira Hospital de S. Joao - Oporto Medical School, Oporto, Portugal Program Number 184 Thyroid Nodules and Goiter Friday/Saturday Poster Sessions Toxic Multinodular Goiter with Extracardiac Extension R.A. Hijazi, M.A. Habra, M.D. Sharma Baylor College of Medicine, Houston, Texas, USA

12:00 noon – 1:30 pm Meet the Professor Luncheon Workshops Advance purchase required; admission by ticket only

Experts and specialists in thyroid disease and pathophysiology will present their research and findings in an interactive luncheon workshop.

Magnolia Room

Therapeutic approaches to patients with advanced thyroid cancer Kenneth Ain *Supported in part by an unrestricted educational grant from Abbott Laboratories*

Gulfstream Room

Nongenomic actions of thyroid hormone Faith and Pepper Davis

Friday, September 19, 2003

Flagler Boardroom
 Update on Chornobyl and KI prophylaxis
 Lewis E. Braverman
 Supported in part by an unrestricted educational grant from Abbott Laboratories
 Gulfstream Room

Cytologic analysis of follicular lesions Yolanda Oertel

Gulfstream Room New tools in biomedical research: Tissue arrays Wilma Lingle

Gulfstream Room **Mouse models of TR mutations** Bjorn Vennstrom

Gold Room Biomarkers in thyroid neoplasia Norman Eberhardt Supported by the University of Southern California Thyroid Group Endowment

1:30 pm

Exhibit Hall Closes

Free Afternoon and Evening for Meeting Attendees

75th Annual Meeting of the American Thyroid Association The Breakers Hotel Palm Beach, Florida September 16-21, 2003

Saturday, September 20, 2003

6:00 – 7:45 am	Venetian Ballroom				
	Current Concepts in the Management of Subclinical Thyroid Disease				
	Moderator: Irwin L. Klein	Moderator: Irwin L. Klein			
	Cardiovascular effects of subclinical hypothyroidism and	nd			
	response to treatment	Bernadette Biondi			
	Subclinical Thyroid Disease and Cholesterol				
	Metabolism	William Kinlaw			
	Subclinical Hyperthyroidism and Cardiovascular				
	Mortality	Jayne A. Franklyn			
	"Early Riser" CME Symposium and breakfast supported by an unrestricted educational grant from Monarch Pharmaceuticals and Jones Pharma, Wholly Owned Subsidiaries of King Pharmaceuticals, Inc.				
8:00 – 8:45 am	Venetian Ballroom				
	Paul Starr Award Lecture	Paul Starr Award Lecture			
	This annual Award recognizes an outstanding contribu	This annual Award recognizes an outstanding contributor to clinical thyroidology. The			
	Paul Starr Award is supported by the generosity of ATA member Boris Catz, MD, and in				
		part by an unrestricted educational grant from Monarch Pharmaceuticals and Jones			
	Pharma, Wholly Owned Subsidiaries of King Pharmaceuticals, Inc.				
	TSH: Reverse Translation of Human Assays to Molecular Physiology				
	E. Chester Ridgway, MD				
	President, The Endocrine Society				
	Fredric C. Hamilton Professor of Medicine				
	Senior Associate Dean for Academic Affairs				
	University of Colorado School of Medicine				
	Head, Division of Endocrinology, Metabolism and Diabetes				
	University of Colorado Health Sciences Center				
	Denver, Colorado				
8:45 – 10:00 am	Venetian Ballroom				
	Short Call Abstract Presentations				
	Chairs: Gregory A. Brent and Leonard Wartofsky				
	A forum presenting the latest in thyroid-related researc	'n			
10:00 - 10:30 am	Mediterranean Ballroom				
	Refreshment Break in the Courtyard				

Saturday, September 20, 2003

10:30 am – 12 noon	Simultaneous Symposia				
	Venetian Ballroom <i>Clinical:</i> Surgical Approaches to Papillary Thyroid Cancer Chair: Richard T. Kloos				
	The role of hemithyro	bidectomy in papillary th		Robert McIntyre	
	imaging	d thyroidectomy with no		Quan-yang Duh	
	dissection	ative US and directed co	ompartment	Clive Grant	
	Ponce de Leon Ballro <i>Basic:</i> Autoantibody Chair: John C. Morris	Interactions with the	Thyrotropin Reco	eptor	
	Role of TSH receptor	stimulatory antibodies structure in induction o ty in autoimmune thyroi		Terry F. Davies Basil Rapoport Bellur Prabhakar	
Noon – 1:30 pm	Ponce de Leon Ballro Poster Review and L Review of Posters Posters 117-184 <i>Investigators availabi</i>		3		
1:30 – 3:00 pm	Simultaneous Session	IS			
	Venetian Ballroom Clinical Oral Abstracts Chairs: Yolanda Oertel and Lawrence Wood				
Program Number 185 Retinoic Acid (RA) Red Redifferentiation Ther S.M. Coelho ¹ , R. Corbo ² Carvalho ³ , M. Vaism Serviços de ¹ Endocrinolo Fisiologia Endócrina, Gomes, UERJ, Rio d	apy in Patients with N ² , M.M.D. Breitenbach ⁴ an ¹ ogia and ² Medicina Nu , IBCCF, UFRJ, and ⁴ II	Ietastatic Thyroid Car , J. Carvalho ⁴ , A. Buesc	ive Factor of Resj rcinoma ru ¹ , D.P. ratório de	1:30 pm Donse to	
	with TNM Stages I or lorgan ² , B. Mullan ³ , G. ogy, Mayo Clinic, Roch	H Follicular Cell-deri Wiseman ³ , R. Smallrid hester, Minnesota; ² Divis Florida; and ³ Departmen	ved Thyroid Care ge ² , V. sion of		

Program Number 187 Cancer Saturday Clinical Oral 2:00 pm Pharmacokinetics of rhTSH in Children with Thyroid Cancer S. Iorcansky¹, V. Herzovich¹, R.R. Qualey², R.M. Tuttle² ¹Pediatric Endocrinology, Buenos Aires, Argentina; and ²Endocrinology, Memorial Sloan Kettering Cancer Center, New York, New York, USA Program Number 188 Thyroid Diseases Saturday Clinical Oral 2:15 pm Prevalence and Outcome of Atrial Fibrillation in Hyperthyroidism F.Osman, J. Daykin, M.C. Sheppard, M.D.Gammage, J.A. Franklyn Division of Medical Sciences, University of Birmingham, Birmingham, England, United Kingdom Program Number 189 Thyroid Diseases Clinical Oral 2:30 pm Saturday New Mutations in THOX2 Gene in Patients with Partial Iodide Organification Defect I.G.S. Rubio, M. Knobel, S.C. Neves, M.S. Monteiro, G. Medeiros-Neto Thyroid Unit (LIM-25), Endocrine Division, University of São Paulo Medical School, São Paulo, Brazil Program Number 190 Cancer Saturday Clinical Oral 2:45 pm Detection of the PAX8-PPARy1 Rearrangements in Both Follicular Thyroid Carcinomas and Adenomas C.C.D. Nakabashi¹, J.M. Cerutti¹, G.S. Guimarães¹, P. Michaluart, Jr.², L.S. Ward³, R.M.B. Maciel¹ ¹Laboratory of Molecular Endocrinology, Federal University of São Paulo, ²Division of Head and Neck Surgery, University of São Paulo, São Paulo, Brazil; and ³Laboratory of Molecular Endocrinology of Cancer, University of Campinas, Campinas, Brazil 1:30 - 3:00 pm Simultaneous Sessions Ponce de Leon Ballroom

Basic Oral Abstracts Chairs: Faith Davis and Cary Mariash

Program Number 191Cell BiologySaturdayBasic Oral1:30 pmPlasma Membrane Targeting and Endoplasmic Reticulum Processing of Wild-typeand Mutant PendrinsP. Rotman-Pikielny¹, J. Shepshelovich², P.M. Yen³, K. Hirshberg²Image: Souraski Medical Center, Tel-Aviv, Israel;

²Department of Pathology, Sackler School of Medicine, Tel-Aviv University, Israel; and ³Clinical Endocrinology Branch, NIDDK, NIH, Bethesda, Maryland, USA

Program Number 192Cell BiologySaturdayBasic Oral1:45 pmIL-1β and TNFα SensitizesHuman Thyroid Epithelial Cells to TRAIL-induced Apoptosis throughIncreased Procaspase-7 and Bid and the Down-regulation of p44/42 MAPK Activity

E. Mezosi¹, S. Wang¹, P. Gauger², N. Thompson², J. Baker, Jr.¹

¹Center for Biologic Nanotechnology and ²Surgery, University of Michigan Medical Center, Ann Arbor, Michigan, USA

Saturday, September 20, 2003

•	65	Saturday enic Thyroglobulin: A	Basic Oral Novel Control M	2:00 pm lechanism for Hormone	
 Release S. Lisi¹, A. Pinchera¹, R.T. McCluskey², C. Marcocci¹, P. Vitti¹, F. Menconi¹, L. Grasso¹, F. Luchetti¹, A.B. Collins², M. Marinò¹ ¹Department of Endocrinology, University of Pisa, Italy; and ²Department of Pathology, Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts, USA 					
Program Number 194 Cell Biology Saturday Basic Oral 2:15 pm Structural Homology of the Cleavage Domain of the TSHR and Tissue Inhibitor of Metalloproteinases-2 R. Nunez Miguel ¹ , J. Sanders ² , J. Jeffreys ² , H. Depraetere ² , T. Blundell ¹ , B. Rees Smith ² , J. Furmaniak ² ¹ Department of Biochemistry, University of Cambridge, Cambridge, England; and ² FIRS Laboratories, Cardiff, Wales, United Kingdom					
Program Number 195 RXR-selective Retinoid Thyrotrope Cell Line V. Sharma, W.R. Hays, Department of Medicine Colorado, USA	C.A. Kramer, B.R. Hau	igen	·	2:30 pm in the TαT1	
Program Number 196Cell BiologySaturdayBasic Oral2:45 pmDisruption of Cell-type-specific Methylation at the Maspin Gene Promoter Is Frequently Involved in Undifferentiated Thyroid CancersS. Ogasawara, C. Maesawa, M. Yamamoto, Y. Akiyama, K. Wada, K. Fujisawa, Y. Noda, Y. Tomisawa, S. Endo, K. Saito Iwate Medical University School of Medicine, Morioka, Japan					
3:00 – 3:30 pm	Mediterranean Ballroo Refreshment Break				
3:30 – 5:00 pm	Simultaneous Sympos	sia			
The Arthur Bauman Clinical Symposium					
Supported by the Arthur Bauman Endowment Fund, this symposium honors the memory of Dr. Arthur Bauman, a master clinician and clinical investigator. The Symposium presents advances in clinical investigation in thyroidology, and promotes participation by younger members of the Association.					
		Imansee	on	Stephanie Lee Hossein Gharib Dyde Huysmans	

3:30 – 5:00 pm	Simultaneous Symposia			
	Ponce de Leon BallroomBasic: Role of thyroglobulin in thyroid diseaseChair: Aldo PincheraGeraldo Medeiros-NeteDefective thyroglobulin synthesisGeraldo Medeiros-NeteThyroglobulin antibodies in health and diseaseSandra McLachlanDefective thyroglobulin transportPaul S. Kim			
7:30 to 11:00 pm	Mediterranean Ballroom and Venetian Ballroom ATA Annual Reception and Banquet Advance purchase required; admission by ticket only			
	Presentation of ATA Distinguished Service Award This Award recognizes an ATA member who has made important and continuing contributions to the Association. Awardee for 2003: Paul J. Davis, MD			
	Presentation of ATA Physiology Medal This Award recognizes outstanding research contributions to the understanding of thyroid physiology or the pathophysiology of thyroid disease. The significance of these contributions will be evidenced by their major impact on subsequent research or clinical practice related to thyroid disorders. Awardee for 2003: Lewis E. Braverman, MD			

75th Annual Meeting of the American Thyroid Association The Breakers Hotel Palm Beach, Florida September 16-21, 2003

Sunday, September 21, 2003

8:00 – 8:45 am	Ponce de Leon Ballroo Abbott State of the A Mark Duncan, PhD Promises and Pitfalls University of Colorado Denver, Colorado Supported by an unrest	rt Lecture of Proteomics	t from Abbott Laboratories	
8:45 – 10:00 am	Ponce de Leon Ballroo Plenary Session – Tra			
	Oral Abstract Presenta Chairs: Leonard Kohn			
Program Number 197AutoimmunitySundayTranslational Oral8:45 amCharacterization of TSH Receptor Autoantibodies Affinity-enriched to Near Purity from the Serum ofGraves' PatientsF. Latrofa, G.D. Chazenbalk, P. Pichurin, CR. Chen, S.M. McLachlan, B. RapoportAutoimmune Disease Unit, Cedars-Sinai Research Institute and University of California-Los Angeles, Los Angeles, California, USA				
Program Number 198AutoimmunitySundayTranslational Oral9:00 amFirst Identification of Three Binding Sites for Monoclonal Antibodies to the Native TSH ReceptorT.T. Ando, R. Latif, T.F. DaviesDivision of Endocrinology, Diabetes, and Bone Diseases, Department of Medicine, Mount Sinai School of Medicine, New York, New York, USA9:00 am				
Program Number 199AutoimmunitySundayTranslational Oral9:15 am Thyroid Stimulating Monoclonal Antibodies—of Man and of Mouse J. Sanders ¹ , M. Evans ¹ , L.D.K.E. Premawardhana ² , H. Depraetere ¹ , J. Jeffreys ¹ , T. Richards ¹ , A. Kiddie ¹ , K. Brereton ¹ , J. Furmaniak ¹ , B. Rees Smith ¹ 9:15 am ¹ FIRS Laboratories, Cardiff, Wales; and ² Department of Adult Medicine, Caerphilly District Miners' Hospital, Caerphilly, Wales, United Kingdom9:15 am				
Program Number 200 Autoimmunity Sunday Translational Oral 9:30 am Potential Role for Inhibition of Wnt Signaling by Secreted Frizzled Protein-1 in the Pathogenesis of Graves' Ophthalmopathy S. Kumar ¹ , M. Coenen ² , R. Bahn ² ¹ Division of Pediatric Endocrinology and ² Division of Endocrinology, Metabolism and Nutrition, Mayo Clinic, Rochester, Minnesota, USA Water State				

Sunday, September 21, 2003

Program Number 201	Autoimmunity	Sunday	Translational C	Oral 9:45 am		
		to Predict Sever	ity and Outcome of Th	yroid-associated		
Ophthalmopathy (TA		³ D O II 1 ²	$O \Gamma L ^{2} V$			
A.K. Eckstein ¹ , M. Plic Mann ² , J. Esser ¹ , N.	G Morgenthaler ^{4,5}	x, B. Quadbeck,	O.E Janssen , K.			
Departments of ¹ Ophth Informatics, Biomet		Essen University,	Essen, Germany;			
10:00 am – 10:30 am	Ponce de Leon Foye Refreshment Break	r				
10:30 am - Noon	Ponce de Leon Ballroom					
	Translational Symposium Novel immune therapies for thyroid diseases					
	Chair: Sandra McLa					
	What can thyroidolo regarding treatme	Wilmar Wiersinga				
	Potential application	Yuji Nagayama				
	Potential immunothe dendritic cell vac	x •	y thyroid carcinoma by	Matthias Schott		
Noon	75 th Annual Meeting	Ends				
12:30 – 3:30 pm	Gulfstream Room					
	International Coordinating Committee Meeting and Lunch					
	LATS, AOTA, ETA, ATA					