
83rd Annual Meeting of the American Thyroid Association
Wednesday, October 16, 2013



- 7:00 a.m. – 4:00 p.m. **20th Endocrine Fellows Conference**
(Satellite program, separate registration required)
- 7:00 a.m. – 5:00 p.m. **ATA/AACE Endocrine Neck Ultrasound Workshop and Practicum**
(Satellite program, separate registration required)
- 8:30 a.m. – 2:00 p.m. **ATA Board of Directors’ Meeting**
- 2:00 p.m. – 8:30 p.m. **Registration Open**
- 3:00 p.m. – 5:00 p.m. **Women in Thyroidology Networking Meeting: Career
Developments – Transitions** (Ticket required for entry) *Whitney Woodmansee/
Richard T. Kloos*
- 5:30 p.m. – 5:45 p.m. **Welcome to the 83rd Annual Meeting of the ATA**
*Bryan R. Haugen ATA President
John C. Morris, ATA Secretary/COO
Ronald Koenig, ATA Program Committee Co-Chair
Julie Ann Sosa, ATA Program Committee Co-Chair*
- 5:45 p.m. – 7:30 p.m. **Opening Session: Recent Developments and Future Challenges in Thyroidology**
Chairs: Ronald Koenig and Julie Ann Sosa
- Basic Review *Anthony Hollenberg*
Clinical Endocrine Review *Megan Haymart*
Surgical Review *David Steward*
- 7:30 p.m. – 9:00 p.m. **ATA Welcome Reception**
(Meeting registration/badge required for entry)
Join us for a relaxed time with old friends and a chance to greet new ATA members.
- 8:30 p.m. – 9:30 p.m. **ATA Trainees’ Welcome Reception**
(Open to all trainees; meeting registration/badge required for entry)

10:00 a.m. – 11:00 a.m. **Poster Review Session and Break in the Exhibit Hall**
San Juan Ballroom 1-4

- Poster 17 *Autoimmunity* *Basic*
MICE WITH BID OVEREXPRESSION GENETIC BACKGROUND ARE AT RISK OF IODINE-INDUCED AUTOIMMUNE THYROIDITIS
S. Wang, Y. Fan, J.R. Baker Jr
- Poster 18 *Autoimmunity* *Clinical*
PREDICTION OF REMISSION DURING ANTITHYROID DRUG THERAPY OF GRAVES' DISEASE
P. Laurberg, B. Nygaard, S. Andersen, S. Andersen, A. Carlé, J. Karmisholt, A. Krejbjerg, I. Pedersen
- Poster 19 *Autoimmunity* *Clinical*
CYTOKINES ARE ABLE TO DIFFERENTIALLY MODULATE CXCL8 CHEMOKINE, IN COMPARISON WITH CXCL10, IN HUMAN THYROCYTES FROM PATIENTS WITH GRAVES' DISEASE AND IN PRIMARY FIBROBLASTS OR PREADIPOCYTES FROM GRAVES' OPHTHALMOPATHY
S. Ferrari, P. Fallahi, I. Ruffilli, A. Corrado, M. Nardi, S. Sellari-Franceschini, E. Ferrannini, A. Antonelli
- Poster 22 *Disorders of Thyroid Function* *Translational*
REDUCED MEMORY FOR PERSONAL EVENTS REFLECTS ATYPICAL HIPPOCAMPAL FUNCTION IN CONGENITAL HYPOTHYROIDISM
K.A. Willoughby, M. McAndrews, J.F. Rovet
- Poster 23 *Disorders of Thyroid Function* *Clinical*
THYROID HORMONE MEASUREMENTS: DISCREPANCIES BETWEEN MASS SPECTROMETRY AND IMMUNOASSAY
J. Jonklaas, A. Sathasivam, H. Wang, D. Finigan, J. Gu, O.P. Soldin, K.D. Burman, S.J. Soldin
- Poster 24 *Disorders of Thyroid Function* *Clinical*
THE ASSOCIATIONS BETWEEN PERCHLORATE AND THIOCYANATE EXPOSURE AND THYROID FUNCTION IN FIRST-TRIMESTER PREGNANT THAI WOMEN
N. Charatcharoenwitthaya, E.N. Pearce, C. Somprasit, A. Chanthasenanont, X. He, B. Ongphiphadhanakul, L.E. Braverman
- Poster 25 *Disorders of Thyroid Function* *Clinical*
EFFICACY OF ARMOUR THYROID FOR TREATING T4-RESISTANT SYMPTOMS OF HYPOTHYROIDISM
G.M. Pepper
- Poster 26 *Disorders of Thyroid Function* *Clinical*
DETERMINATION OF IODINE, BROMINE, SELENIUM AND ARSENIC BY ICP-DRC-MS USING URINE DRIED ON FILTER PAPER
T.T. Zava, D.T. Zava
- Poster 27 *Disorders of Thyroid Function* *Clinical*
THE PREDISPOSING FACTORS OF POSTOPERATIVE HYPOTHYROIDISM
T. Sung, J. Cho, Y. Lee, J. Yoon, K. Chung, S. Hong
- Poster 28 *Disorders of Thyroid Function* *Clinical*
REQUIREMENT OF LEVOTHYROXINE DEPENDS OF ETIOLOGY OF HYPOTHYROIDISM, TIME SINCE DIAGNOSIS, AND INITIAL TSH LEVEL
C. Builes-Barrera, F. Jaimes, K. Palacios
- Poster 29 *Disorders of Thyroid Function* *Clinical*
A RARE CAUSE OF THYROTOXICOSIS
E. Torres Garcia, M. Allende-Vigo, M. Ramirez-Vick
- Poster 30 *Iodine Uptake & Metabolism* *Basic*
INHIBITION OF RADIOIODINE UPTAKE BY PBF IN BREAST CELLS IS CONSISTENT WITH SODIUM IODIDE SYMPORTER REPRESSION IN THE THYROID
V.L. Poole, M.L. Read, R.J. Watkins, G. Ryan, B. Modasia, K. Boelaert, J.A. Franklyn, V.E. Smith, C.J. McCabe

- Poster 31 *Iodine Uptake & Metabolism* *Clinical*
 A MODIFIED PALEOLITHIC DIET RESULTS IN IODINE DEFICIENCY - A STUDY OF 24 HOUR URINARY IODINE EXCRETION IN POSTMENOPAUSAL OVERWEIGHT AND OBESE WOMEN IN SWEDEN
 M. Ståhl, L. Hulthén, S. Manousou, C. Larsson, B. Lindahl, C. Mellberg, T. Olsson, M. Ryberg, S. Sandberg, H. Filipsson Nyström
- Poster 32 *Thyroid Cancer* *Basic*
 ELEVATED GENETIC INSTABILITY IS ASSOCIATED WITH REPRESSED DNA REPAIR GENE EXPRESSION IN A BI-TRANSGENIC MURINE MODEL OF PTTG AND PBF
 M.L. Read, J.C. Fong, G. Ryan, V.E. Smith, R.J. Watkins, G. Lewy, J.C. Watkinson, K. Boelaert, J.A. Franklyn, C.J. McCabe
- Poster 33 *Thyroid Cancer* *Basic*
 NEW PYRAZOLOPYRIMIDINE COMPOUNDS (CLM29 AND CLM24) WITH ANTITUMORAL ACTIVITY IN VITRO IN ANAPLASTIC THYROID CANCER, WITH OR WITHOUT BRAF MUTATION
 P. Fallahi, S. Ferrari, C. La Motta, I. Ruffilli, A. Corrado, M. Minuto, G. Materazzi, D. Galleri, F. Da Settimo, P. Miccoli, E. Ferrannini, A. Antonelli
- Poster 34 *Thyroid Cancer* *Basic*
 A NOVEL INTERACTION BETWEEN PBF AND CORTACTIN: EVIDENCE FOR A ROLE IN THYROID CELL MIGRATION AND INVASION
 R. Watkins, N. Sharma, V.E. Smith, R. Fletcher, M. Read, J. Franklyn, K. Boelaert, C.J. McCabe
- Poster 35 *Thyroid Cancer* *Basic*
 EFFECTS OF ACTIVATED ESTROGEN RECEPTORS ON ACQUIRED BRAF INHIBITOR RESISTANCE IN PAPILLARY THYROID CANCER (PTC)
 B.P. Danysh, M.E. Cabanillas, M. Hofmann
- Poster 36 *Thyroid Cancer* *Basic*
 ANALYTICAL AND CLINICAL PERFORMANCES OF THE NEW SENSITIVE THYROGLOBULIN KRYPTOR IMMUNO-ASSAY
 M. Schlageter, M. Toubert, E. Bouhassira, I. Faugeron, V. Vimont, E. Thomas, C. Theimer, C. Chomienne
- Poster 37 *Thyroid Cancer* *Basic*
 A DIFFERENTIAL RESPONSE TO CIGARETTE SMOKING BY HUMAN THYROID CANCER AND LUNG CANCER CELLS
 O.P. Soldin, C. Fei, X. Liu, T.M. Buckley, B.V. Kallakury
- Poster 38 *Thyroid Cancer* *Translational*
 OVERALL SURVIVAL IS REDUCED IN PATIENTS WITH DETECTABLE CIRCULATING TUMOR CELLS FROM METASTATIC MEDULLARY THYROID CANCER
 S.I. Sherman, C. Michaelis, T. Gornet, B. Handy, S.G. Waguespack, M.I. Hu, N. Busaidy, C. Jimenez, M.E. Cabanillas, G. Cote
- Poster 39 *Thyroid Cancer* *Translational*
 CHRONIC LYMPHOCYTIC THYROIDITIS (CTL) HAS A POSITIVE PROGNOSTIC VALUE IN PAPILLARY THYROID CANCER (PTC) PATIENTS: THE POTENTIAL KEY ROLE OF FOXP3+ T LYMPHOCYTES
 T. Pilli, P. Toti, M. Castagna, R. Occhini, M. Caselli, L. Barbagli, S. Memmo, F. Maino, F. Pacini
- Poster 40 *Thyroid Cancer* *Translational*
 THE FUNCTIONAL ROLES OF TUMOR CELL FOXP3 AND ITS CORRELATION WITH PPAR γ IN THYROID CANCER
 G.G. Chen, R. Chu, A.C. Vlantis, S. Liu, E.K. Ng, C. van Hasselt
- Poster 41 *Thyroid Cancer* *Translational*
 ANALYSIS OF P53 AND IMMUNE CELLS EXPRESSION MAY IDENTIFY LESS AGGRESSIVE THYROID TUMORS
 M.A. Marcello, E.C. Morari, L.L. Cunha, A.N. Silva, P. Latuf-Filho, D.M. Carraro, A.L. Carvalho, F.A. Soares, J. Vassallo, L.S. Ward
- Poster 42 *Thyroid Cancer* *Clinical*
 SOCIOECONOMIC STATUS IS A FACTOR IN RISING THYROID CANCER RATES
 C.A. Madorin, Y. Zhou, T.A. Moo-Young, D.J. Winchester, R.A. Prinz
- Poster 43 *Thyroid Cancer* *Clinical*
 A NOMOGRAM TO PREDICT DISEASE SPECIFIC SURVIVAL FOLLOWING INITIAL THERAPY FOR WELL DIFFERENTIATED THYROID CANCER
 I.J. Nixon, C. Yu, F.L. Palmer, M. Kattan, A.R. Shaha, R. Tuttle, J.P. Shah, I. Ganly, S.G. Patel

- Poster 44 *Thyroid Cancer* *Clinical*
PROSPECTIVE EVALUATION OF INHERITANCE PATTERN IN FAMILIAL NON-MEDULLARY THYROID CANCER
S.M. Sadowski, M. He, K. Gesuwan, N. Gulati, N. Nilubol, K. Calzone, E. Kebebew
- Poster 45 *Thyroid Cancer* *Clinical*
UTILITY OF LOCAL VS GENERAL ANESTHESIA IN THYROID AND PARATHYROID SURGERY: ANALYSIS OF 56092 PATIENTS FROM THE NSQIP DATABASE
R. Monteiro, J. Mino, A.E. Siperstein
- Poster 46 *Thyroid Cancer* *Clinical*
FEMALE PAPILLARY THYROID CANCER ALMOST DOUBLED OVER A 10-YEAR PERIOD - A POPULATION-BASED STUDY OF 716 PATIENTS
P. Bümming, K.A. Gunnarsdottir, E. Holmberg, S. Jansson
- Poster 47 *Thyroid Cancer* *Clinical*
RELATIONSHIP BETWEEN BASAL ULTRASENSITIVE AND STIMULATED THYROGLOBULIN IN PAPILLARY THYROID CARCINOMA PATIENTS
S. Orlov, J.K. Cheng, F. Salari, L. Kashat, P. Walfish
- Poster 48 *Thyroid Cancer* *Clinical*
FAMILIAL AND HEREDITARY NON-MEDULLARY THYROID CARCINOMA (FAHNTOM) STUDY: PROTOCOL AND PRELIMINARY RESULTS
J. Sung, I. Chung, E. Kim, S. Tae, Y. Suh, J. Woo, J. Jung, H. Lee, S. Paek, H. Kwon, Y. Chai, K. Kim, S. Kim, S. Ma, J. Choi, D. Koo, K. Lee, S. Park, Y. Youn
- Poster 49 *Thyroid Cancer* *Clinical*
NODULE SIZE DECREASE THE SENSITIVITY OF FINE NEEDLE ASPIRATION BIOPSY
D. Corapcioglu, M. Sahin, K. Ceyhan, B.I. Aydogan, O. Deniz, R. Emral, V. Tonyukuk, A.R. Uysal
- Poster 50 *Thyroid Cancer* *Clinical*
COMPARISON OF THYROID CONSEQUENCES OF THE NUCLEAR REACTOR ACCIDENT BETWEEN FUKUSHIMA AND CHERNOBYL
S. Nagataki
- Poster 51 *Thyroid Cancer* *Clinical*
DYNAMIC RISK STRATIFICATION FOR RECURRENCE IN MEDULLARY THYROID CANCER
A.S. Ho, F.L. Palmer, J.P. Shah, R. Tuttle, I. Ganly
- Poster 52 *Thyroid Cancer* *Clinical*
ARE ALL THYROID ULTRASOUND EVALUATIONS CREATED EQUAL? SONOGRAPHERS SPECIALIZED IN THYROID CANCER CORRECTLY LABEL CLINICAL N0 DISEASE IN WELL DIFFERENTIATED THYROID CANCER
S. Oltmann, D.F. Schneider, R.S. Sippel, H. Chen
- Poster 53 *Thyroid Cancer* *Clinical*
PREOPERATIVE NECK ULTRASOUND (US) IN CLINICAL NODE NEGATIVE WELL DIFFERENTIATED THYROID CANCER (WDTC) IMPROVES RESPONSE TO THERAPY
L.Y. Wang, F.L. Palmer, D. Thomas, A.R. Shaha, J.P. Shah, S.G. Patel, R. Tuttle, I. Ganly
- Poster 55 *Thyroid Cancer* *Clinical*
ASSOCIATION OF FIBROBLAST GROWTH FACTOR RECEPTOR 4 POLYMORPHISM WITH CLINICAL, PATHOLOGICAL, AND MOLECULAR CHARACTERISTICS IN THYROID PAPILLARY CARCINOMA
D. Lim, M. Kim, J. Bae, C. Jung, K. Baek, S. Moon, M. Kang, K. Lee
- Poster 56 *Thyroid Cancer* *Clinical*
THE EFFECT OF FNA PRACTICE SETTINGS IN THE SENSITIVITY OF LYMPH NODE THYROGLOBULIN AND CYTOLOGY FOR DETECTION OF THYROID CARCINOMA METASTASIS
V.J. Carlo-Chevere
- Poster 57 *Thyroid Cancer* *Clinical*
INTRAOPERATIVE FROZEN SECTION MAY REDUCE THE NEED FOR REOPERATIVE THYROID SURGERY IN PATIENTS WITH FOLLICULAR NEOPLASM
D. Arumugam, C.A. Macias, R.L. Sanders, S. Lu, M. Deen, M. May, R. Artymyshyn, N.J. Barnard, T. Davidov, S.Z. Trooskin

- Poster 58 *Thyroid Cancer* *Clinical*
 QUALITY OF LIFE IN PATIENTS WITH DIFFERENTIATED THYROID CANCER AT THE GENERAL ENDOCRINOLOGY CLINICS OF THE UNIVERSITY HOSPITAL OF PUERTO RICO
 M.A. Vega, L. Gonzalez-Rodriguez, A. Garces, L. Shum, M. Tirado, M. Ramirez
- Poster 59 *Thyroid Cancer* *Clinical*
 THYROID LOBECTOMY FOR TREATMENT OF WELL DIFFERENTIATED THYROID CANCER CONFINED TO ONE LOBE
 S. Lee, Y. Kim, S. Park, K. Kim
- Poster 60 *Thyroid Cancer* *Clinical*
 THYROID PATHOLOGY CONSULTATION SERVICE: KUWAIT EXPERIENCE
 N. Al-Brahim
- Poster 61 *Thyroid Cancer* *Clinical*
 HUMAN RECOMBINANT TSH IN THE TREATMENT OF PAPILLARY THYROID CANCER: INITIAL EXPERIENCE IN MEXICO
 S. Miracle, M.L. Hurtado-Lopez
- Poster 62 *Thyroid Cancer* *Clinical*
 UNUSUAL PRESENTATION OF FOLLICULAR CARCINOMA OF THYROID
 N. Tirumalasetty, S. Dipp, B. Panunti
- Poster 64 *Thyroid Development* *Clinical*
 PUSHING THE LIMITS OF OUTPATIENT THYROID SURGERY
 H.S. Khadra, S.H. Mohamed, D.A. Dali, Z.H. Al-Qurayshi, P.L. Friedlander, E. Kandil
- Poster 65 *Thyroid Hormone Action* *Basic*
 EXPRESSION OF DEIODINASE TYPE III IN THE HIPPOCAMPUS OF EPILEPTIC RATS
 R.J. Nassif, R.M. Cysneiros, F.A. Scorza, A. Bianco, M.O. Ribeiro
- Poster 66 *Thyroid Hormone Action* *Basic*
 N-3 POLYUNSATURATED FATTY ACIDS PARTIALLY PREVENT THE ALTERATIONS CAUSED BY HYPOTHYROIDISM IN THE CELL POPULATION OF THE HIPPOCAMPUS
 C. Alva-Sánchez, A. Becerra-Cervera, S. Zamudio, I. Villanueva
- Poster 67 *Thyroid Hormone Action* *Basic*
 THROMBIN GENERATION CORRELATES WITH THYROID FUNCTION IN CHILDREN
 W. Sauseng, S. Gallistl, G. Grangl, N. Hofer, A. Schlagenhauf, E. Fröhlich-Reiterer, W. Muntean, M.H. Borkenstein
- Poster 68 *Thyroid Hormone Action* *Clinical*
 MATERNAL GRAVES' DISEASE AND NEONATAL DEVELOPMENTAL HIP DYSPLASIA
 K. Cox, A. Stagnaro-Green
- Poster 69 *Thyroid Hormone Metabolism & Regulation* *Basic*
 IMPACT OF IODINE EXCESS EXPOSURE DURING PREGNANCY/LACTATION ON THYROID HORMONES PRODUCTION AND METABOLISM OF RAT DAMS
 C. Serrano-Nascimento, N. Ramalho Prado dos Santos, T. Pantaleao, V. Correa da Costa, M. Nunes
- Poster 70 *Thyroid Hormone Metabolism & Regulation* *Clinical*
 EFFECT OF BARIATRIC SURGERY ON LEVOTHYROXINE (LT₄) REPLACEMENT IN HYPOTHYROIDISM
 A. Tessnow, N. PuzziFerri
- Poster 71 *Thyroid Hormone Metabolism & Regulation* *Clinical*
 OUTCOMES OF PREGNANCY IN WOMEN WITH TSH ABOVE 2.5 µU/ML OR POSITIVE ANTITHYROID ANTIBODIES (IN JAPAN)
 Y. Inoue, M. Morino, A. Kyouzuka, K. Konishi, Y. Higuchi, N. Momotani
- Poster 72 *Thyroid Hormone Metabolism & Regulation* *Clinical*
 ELEVATED TSH LEVELS IN THE ELDERLY: SHOULD WE BE CONCERNED?
 C. Melvin, J. Eng, O.P. Soldin

- Poster 73 *Thyroid Imaging* *Clinical*
 CHANGES IN THE THYROID ULTRASONOGRAPHIC FINDINGS OF CHILDREN LIVING IN THE KANTO AREA AFTER THE FUKUSHIMA DAIICHI NUCLEAR POWER PLANT ACCIDENT
 K. Iwaku, J. Yoshimura Noh, K. Mukasa, Y. Kunii, M. Matsumoto, M. Suzuki, N. Watanabe, H. Ohye, A. Yoshihara, S. Kobayashi, N. Suzuki, T. Kameda, E. Sasaki, S. Nagataki, K. Ito
- Poster 74 *Thyroid Imaging* *Clinical*
 ULTRASOUND TRAINING AND USAGE AMONG ENDOCRINE SURGEONS
 P.J. Mazzaglia, M. Milas
- Poster 75 *Thyroid Nodules & Goiter* *Translational*
 CLASSIFICATION OF BRAF V600E STATUS USING HIGH-DIMENSIONAL RNA EXPRESSION DATA
 G.C. Kennedy, J. Diggans, S. Walsh, Z. Hu, D. Pankratz, J. Reynolds, S. Velichko, M. Wong, J. Mathison, R. Kloos, R. Lanman
- Poster 76 *Thyroid Nodules & Goiter* *Clinical*
 MODE OF THYROID NODULE DISCOVERY AND RISK OF MALIGNANCY
 K. Truong, M. Lupo
- Poster 77 *Thyroid Nodules & Goiter* *Clinical*
 PROBABILITIES OF MALIGNANCY IN FOLLICULAR LESIONS OF UNDETERMINED SIGNIFICANCE (FLUS) AND FOLLICULAR NEOPLASMS ARE SIMILAR AND INDEPENDENT OF NODULE SIZE
 M. Iskander, G. Bonomo, D. Lucido, J. Marti
- Poster 78 *Thyroid Nodules & Goiter* *Clinical*
 THE BENEFIT OF GENE EXPRESSION CLASSIFIER TESTING IN AVOIDING SURGERY ON INDETERMINATE THYROID NODULES MAY BE LESS THAN ANTICIPATED
 K.N. Patel, K.S. Heller
- Poster 79 *Thyroid Nodules & Goiter* *Clinical*
 PREOPERATIVE RISK FACTORS IN TOTAL THYROIDECTOMY OF CERVICAL MEDIASTINAL GOITER
 A. Bove, R. Di Renzo, G. Palone, C. Antonopulos, V. D'Addetta, P. Mattei, S. Chiarini, G. Bongarzoni
- Poster 80 *Thyroid Nodules & Goiter* *Case Report*
 NON-FUNCTIONING PARATHYROID CYST PRESENTING AS GOITER WITH DYSPHAGIA
 R.R. Pai, A. Kieth Cryar
- Poster 81 *Autoimmunity* *Case Report*
 AN UNUSUAL CASE OF PRETIBIAL MYXEDEMA FOLLOWING LONG-TERM TREATMENT OF GRAVES' DISEASE
 M. Chertman, R.R. Assaf
- Poster 82 *Disorders of Thyroid Function* *Case Report*
 STORMY ENCOUNTER WITH PARTIAL HYDATIDIFORM MOLE. A CASE REPORT
 S.T. Sarapuddin, J.R. Barrera
- Poster 84 *Thyroid Cancer* *Case Report*
 ULTIMOBRANCHIAL BODY REMNANT TUMOR: AN UNUSUAL THYROID NEOPLASM MIMICKING PAPILLARY THYROID CARCINOMA
 O. Mete, L. Rotstein, S.L. Asa
- Poster 85 *Thyroid Cancer* *Case Report*
 CRIBRIFORM-MORULAR VARIANT OF PAPILLARY THYROID CARCINOMA (CMVPTC): REVISITING A 17 YEAR OLD CASE WITH A NEW HISTOPATHOLOGICAL DIAGNOSIS
 H. Yau, K. Rivera, C. Edwards
- Poster 86 *Thyroid Cancer* *Case Report*
 A CASE REPORT OF AGGRESSIVE DIFFERENTIATED PAPILLARY THYROID CANCER TREATED WITH COMBINATION CHEMOTHERAPY
 D. Ponnusamy, G. Chune
- Poster 87 *Thyroid Cancer* *Case Report*
 UNUSUAL CASE OF RECURRENCE OF A PAPILLARY THYROID MICROCARCINOMA
 L. Gonzalez-Rodriguez, M. Agosto, R. Gonzalez, M. Martinez, M. Ramirez, F. Salcedo, R. Velez, M. Allende

Poster 88	<i>Thyroid Hormone Action</i>	<i>Case Report</i>
A NEW FAMILY WITH THYROID HORMONE RESISTANCE J. Maletkovic, C.H. Darwin		
Poster 89	<i>Thyroid Nodules & Goiter</i>	<i>Case Report</i>
CERVICAL SCHWANNOMA MASQUERADING AS A THYROID NODULE S. Nagavalli, T. Jirajariyavej, J. Lee, L. McPhaul, L. Barajas, A.G. Gianoukakis		
Short Call Poster 7	<i>Thyroid Hormone Metabolism & Regulation</i>	<i>Basic</i>
CIRCULAR DICHROISM AND CRYSTALLIZATION OF HETEROLOGOUSLY EXPRESSED HUMAN TYPE 3 IODOTHYRONINE DEIODINASE L. Dong, Y. Toh, P. Egri, G. Balazs, Y.J. Tao, A. Bianco		
Short Call Poster 8	<i>Thyroid Cancer</i>	<i>Clinical</i>
PROPERLY SELECTED PATIENTS WITH PAPILLARY THYROID CANCER READILY ACCEPT ACTIVE SURVEILLANCE WHEN OFFERED AS A STANDARD OF CARE ALTERNATIVE TO IMMEDIATE SURGERY M.D. Pace, J.A. Fagin, A. Bach, L. Boucai, G. Minkowitz, L.G. Morris, R.J. Wong, R.M. Tuttle		
Short Call Poster 9	<i>Thyroid Cancer</i>	<i>Clinical</i>
TERT PROMOTER MUTATIONS IN THYROID CANCER X. Liu, S. Qu, H. Guan, H. Yu, H. Sun, W. Teng, Z. Shan, M. Xing		
Short Call Poster 10	<i>Thyroid Cancer</i>	<i>Translational</i>
A NOVEL METHOD FOR NONINVASIVE DETECTION OF ANAPLASTIC THYROID CARCINOMA IN AN ORTHOTOPIC MOUSE MODEL USING BIOLUMINESCENT THYROSPHERES IN VIVO A. Reeb, W. Li, R. Lin		
Short Call Poster 13	<i>Thyroid Cancer</i>	<i>Clinical</i>
AFIRMA GEC AND THE HURTHLE CELL: A SURGICAL VIEW R.M. Harrell, D.N. Bimston		

11:00 a.m. – 12:00 p.m.

Meet the Professor Workshops

(Pre-registered selections available with mailing badge)

Clinical: Management of Pediatric Thyroid Nodules and Cancer

*Stephen Huang/
Geoffrey Thompson*

Clinical: Weird TFTs, Their Interpretation and Management

*Marius Stan/ Jeffrey
Garber*

Clinical: Management of Poorly Differentiated/Anaplastic Carcinoma and Thyroid Lymphoma

*Naifa Busaidy/ Julie
Ann Sosa*

Basic: Update on the Biology of 3-Iodothyronamine (T1AM)

*Thomas Scanlan/
Riccardo Zucchi*

Basic: Update on Thyroid Hormone Transporters

*Edward Visser/ Heike
Heuer*

12:00 p.m. – 12:55 p.m.

Poster Review and Lunch on your Own

12:00 p.m. – 12:55 p.m.

ATA Committee Meetings/Luncheon

(For Active 2013 ATA Committee Members – see governance listing in program book for room assignments)

12:00 p.m. – 12:55 p.m.

ATA Basic Trainees' Track Lunch Session: Selling Your Science

(Open to all trainees – lunch ticket required for meal)

*Brian Kim
David Sharlin
Yun-Bo Shi
Kristen Vella*

12:00 p.m. – 12:55 p.m.

All Trainees' Lunch (for clinical and surgical trainees – lunch ticket required for meal)

12:00 p.m. – 12:55 p.m.	<p>ATA Expo Theater Presentation with Veracyte, Inc. –The Afirma Thyroid FNA Analysis: Rationale and Benefits of a Patient-Centric Approach to Thyroid Nodule Management (Open to all attendees; space limited, first come, first served)</p>	<i>Richard T. Kloos Anagh Vora</i>
1:00 p.m. – 1:45 p.m.	<p>Sidney H. Ingbar Award Lecture: PAX8-PPARgamma Fusion Protein in Thyroid Cancer <i>Introduction: P. Reed Larsen</i></p>	<i>Ronald Koenig</i>
1:50 p.m. – 3:20 p.m.	<p>Basic/Translational Oral Abstract Session <i>Chairs: Honey Reddi and Antonio Di Cristofano</i></p>	
	<p>Oral 5 <i>Iodine Uptake & Metabolism</i> <i>Translational</i> SYSTEMIC EPIDERMAL GROWTH FACTOR RECEPTOR-TARGETED SODIUM IODIDE SYMPORTER (NIS) GENE THERAPY IN A GENETICALLY ENGINEERED MOUSE MODEL OF PANCREATIC DUCTAL ADENOCARCINOMA G. Gruenwald, M. Traikovic-Arsic, K. Klutz, A. Gupta, N. Schwenk, K. Knoop, R. Braren, M. Settles, R. Senekowitsch-Schmidtke, M. Schwaiger, E. Wagner, B. Göke, M. Ogris, J. Siveke, C. Spitzweg</p>	
	<p>Oral 6 <i>Thyroid Cancer</i> <i>Basic</i> HUMAN ANAPLASTIC THYROID CARCINOMA CELL LINES ARE SENSITIVE TO LYSIS BY NK CELLS CORRELATING WITH HIGH EXPRESSION OF THE NKG2D LIGAND UL 16 BINDING PROTEIN 2 ON TUMOR CELLS E. Wennerberg, L. Ekblad, C. Juhlin, A. Höög, V. Sviatoha, J. Zedenius, C. Larsson, V.O. Kaminsky, B. Zhivotovsky, J. Wennerberg, A. Lundqvist</p>	
	<p>Oral 7 <i>Thyroid Cancer</i> <i>Translational</i> ROLE OF MIR-145 IN THYROID CANCER GROWTH, METASTASIS, AND DIAGNOSIS M. Boufraquech, L. Zhang, M. Jain, D. Patel, R. Ellis, Y. Xiong, M. He, N. Nilubol, M. Merino, E. Kebebew</p>	
	<p>Oral 8 <i>Thyroid Development</i> <i>Basic</i> THYROID TRANSPLANTATION USING EMBRYONIC STEM CELLS R. Ma, R. Latif, T.F. Davies</p>	
	<p>Oral 9 <i>Thyroid Hormone Action</i> <i>Basic</i> MUTATION OF NCOR1 CORRECTS THE RESISTANCE TO THYROID HORMONE PHENOTYPE IN SRC-1 KNOCKOUT MICE VIA SRC-2 K. Vella, I. Astapova, F. Ye, A.N. Hollenberg</p>	
	<p>Oral 10 <i>Thyroid Hormone Action</i> <i>Basic</i> A HISTONE DEACETYLASE INHIBITOR AMELIORATES IMPAIRED BONE DEVELOPMENT AND ADIPOGENESIS CAUSED BY A TRα1 MUTANT IN A MOUSE MODEL D. Kim, J. Park, S. Cheng</p>	
1:50 p.m. – 3:20 p.m.	<p>Clinical Oral Abstract Session <i>Chairs: Emad Kandil and Naifa Busaidy</i></p>	
	<p>Oral 11 <i>Autoimmunity</i> <i>Clinical</i> THYROID PEROXIDASE ANTIBODY-PREVALENCE AND PRETERM DELIVERY RATE IN DANISH PREGNANT WOMEN BEFORE, DURING, AND AFTER NATIONAL IODINE IMPLEMENTATION - A COMPARATIVE COHORT STUDY S. Bliddal, U. Feldt-Rasmussen, M. Boas, J. Faber, A. Juul, T. Larsen, L. Friis-Hansen, L. Hilsted, A. Tabor, D.P. Hansen</p>	
	<p>Oral 12 <i>Autoimmunity</i> <i>Clinical</i> MEASUREMENT OF SERUM IGG4 CONCENTRATIONS IN PATIENTS WITH GRAVES' DISEASE; CLINICAL CHARACTERISTICS OF THOSE WITH ELEVATED IGG4 LEVELS K. Takeshima, H. Inaba, Y. Furukawa, H. Yamaoka, M. Nishi, T. Akamizu</p>	

Oral 13 *Thyroid Cancer* *Translational*
TARGETED NEXT-GENERATION SEQUENCING (THYROSEQ) FOR DIAGNOSIS OF
THYROID CANCER
M.N. Nikiforova, A. Wald, S.P. Hodak, S.E. Carty, Y.E. Nikiforov

Oral 14 *Thyroid Development* *Clinical*
ABNORMAL CORPUS CALLOSUM MORPHOLOGY IN CONGENITAL HYPOTHYROIDISM
F. Islam, J. Skocic, J.F. Rovet

Oral 15 *Thyroid Development* *Clinical*
A COMPARISON OF URINARY IODINE CONCENTRATIONS BETWEEN BREASTFED AND
FORMULA-FED INFANTS
J.H. Gordon, A.M. Leung, A.R. Hale, E.N. Pearce, L.E. Braverman, X. He, M.B. Belfort, S.M. Nelson

Oral 16 *Thyroid Nodules & Goiter* *Clinical*
MULTICENTER CLINICAL EXPERIENCE WITH THE AFIRMA GENE EXPRESSION
CLASSIFIER
E. Alexander, M. Schorr, J. Klopper, C. Kim, J. Sipos, F. Nabhan, C. Parker, D. Steward, S. Mandel, B. Haugen

1:50 p.m. – 3:20 p.m. **ATA Clinical Trainees' Track: Case Discussions – Thyroid Nodules** *Susan Mandel and Hossein Gharib*
(Open to all trainees; cases submitted by trainees for discussion)

3:20 p.m. – 3:50 p.m. **Poster Review Session and Break in the Exhibit Hall**

3:50 p.m. – 5:05 p.m. **Clinical: Thyroid, Pregnancy and the Offspring**
Chair: Alex Stagnaro-Green

Generic and Brand-Name L-Thyroxine Are Not Bioequivalent for Children
with Severe Congenital Hypothyroidism *Rosalind Brown*

Maternal Autoimmune Thyroid Disease and the Risk of Attention Deficit-
Hyperactivity Disorder (ADHD) in Offspring *Akhgar Ghassabian*

Update on Hypothyroxinemia of Prematurity *Aleid van Wassenaer-Leemhuis*

3:50 p.m. – 5:05 p.m. **Basic: Thyroid Hormone Control of Metabolism**
Chair: Brian Kim

Thyroid Hormone Regulation of Lipid Metabolism *Paul Yen*
Central Control of Metabolism by Thyroid Hormone *Miguel Lopez*
Thyroid Hormone and Sirtuins *Pieter de Lange*

5:10 p.m. – 6:25 p.m. **Symposium: Molecular Underpinnings of Thyroid Cancer Development
and Growth**
Chair: Mingzhao Xing

The Cancer Genome Atlas (TCGA): Analysis of Papillary Thyroid Carcinomas *Thomas Giordano*
Large Non-Coding RNAs: Novel Genes Involved in Papillary Thyroid
Carcinomas Pathogenesis *Jaroslav Jendrzewski*

MicroRNA Regulates TGFbeta Signaling in Thyroid Cancer *Edna T. Kimura*

6:30 p.m. – 7:30 p.m. **ATA Annual Business Meeting**
(For Active ATA members only)
The annual business meeting will feature election results, committee reports,
revised bylaws vote and discussion of important member issues.

83rd Annual Meeting of the American Thyroid Association
Friday, October 18, 2013



- 6:30 a.m. – 5:30 p.m. **Registration Open**
- 6:30 a.m. – 7:30 a.m. **Early Riser Symposium Continental Breakfast**
- 6:45 a.m. – 8:00 a.m. **Early Riser Symposium: Diagnostic Testing of Thyroid Nodules**
Chair: Shereen Ezzat
- Overview of Indeterminant Cytology *Scott Boerner*
Molecular Markers in Thyroid Nodules *Yuri Nikiforov*
Comparison of Commercially Available Tests in the Molecular Analysis
of Thyroid Nodules *Stefan Grebe*
- 8:05 a.m. – 8:10 a.m. **Announcements**
Program Chairs Ronald Koenig and Julie Ann Sosa
- 8:10 a.m. – 8:55 a.m. **Van Meter Lecture** (announced onsite at time of lecture)
Established in 1930, recognizes outstanding contributions to research on the thyroid gland or related subjects. The award is given each year to an investigator who is not older than the age of 45 in the year of the award. The Van Meter award winner is kept secret until the time of the award lecture during the annual meeting. This award received support from Mary Ann Liebert, Inc. Publishers.
- 9:00 a.m. – 10:15 a.m. **Clinical: Graves' Disease**
Chair: Kenneth Burman
- Update on Immunopathogenesis of Graves' Ophthalmopathy *Terry Smith*
Rituximab in Graves' Ophthalmopathy *Mario Salvi*
Predictive Score for Recurrence Risk after Antithyroid Drugs Based on
Baseline Clinical and Genetic Parameters *Wilmar Wiersinga*
- 9:00 a.m. – 10:15 a.m. **Basic: Molecular Mechanisms of Thyroid Hormone Action**
Chair: Inna Astapova
- Differential Regulation of Gene Expression by TRa1 vs. TRb1 *Frédéric Flamant*
Thyroid Hormone Receptors in the Skin and Skin Carcinogenesis *Ann Aranda*
The Role of Histone Modification in Thyroid Hormone Action *Yun-Bo Shi*
- 10:00 a.m. – 4:30 p.m. **Exhibit Hall Open**
- 10:15 a.m. – 11:15 a.m. **Poster Review Session and Break in the Exhibit Hall**
- Poster 102 *Autoimmunity* *Translational*
A LARGE MULTICENTER TRIAL DEMONSTRATES THE CLINICAL RELEVANCE OF THYROID-STIMULATING
AUTOANTIBODIES IN PEDIATRIC GRAVES DISEASE
T. Diana, R.S. Brown, A. Bossowski, M. Segni, M. Niedziela, J. Koenig, M. Kanitz, G.J. Kahaly
- Poster 103 *Autoimmunity* *Clinical*
EFFECTS OF 2 DOSES (80 OR 160 µG) OF SELENOMETHIONINE SUPPLEMENTATION VERSUS PLACEBO IN
EUTHYROID FEMALE PATIENTS WITH AUTOIMMUNE THYROIDITIS
T. Pilli, C. Sandro, V. Cenci, S. Cantara, F. Sestini, C. Fioravanti, L. Pasqui, F. Pacini
- Poster 104 *Autoimmunity* *Clinical*
METABOLIC AND ATHEROSCLEROTIC EFFECTS OF AUTOIMMUNE THYROIDITIS IN CHILDREN AND
ADOLESCENTS
B. Ersoy, T. Borucu, S. Kiremitci, G.D. Horasan

- Poster 105 *Disorders of Thyroid Function* *Clinical*
 PRELIMINARY EVALUATION OF THE PREGNANCY OUTCOMES IN WOMEN OF REPRODUCTIVE AGE WITH GRAVES' HYPERTHYROIDISM AFTER RADIOACTIVE IODINE THERAPY
 N. Jiang, J. Li, Z. Zhang, M. Huang
- Poster 106 *Disorders of Thyroid Function* *Clinical*
 HYPOPARATHYROIDISM: UNDERSTANDING THE BURDEN OF ILLNESS (PARADOX STUDY)
 B.L. Clarke, J. Sanders, H. Lagast
- Poster 107 *Disorders of Thyroid Function* *Clinical*
 THE MAJORITY OF ATA MEMBERS ADVOCATE UNIVERSAL THYROID SCREENING IN PREGNANCY
 P. Srimatkandada, A. Stagnaro-Green, E.N. Pearce
- Poster 108 *Disorders of Thyroid Function* *Clinical*
 EVALUATION OF POST-SURGICAL HYPOTHYROIDISM IN PATIENTS UNDERGOING THYROID LOBECTOMY FOR BENIGN DISEASE
 J. Shin, T. Johnson, J. Mitchell, E. Berber, A.E. Siperstein, J. Jin
- Poster 109 *Disorders of Thyroid Function* *Clinical*
 HYPOTHYROIDISM AND THE METABOLIC SYNDROME
 L. Kannan, A. Chernoff, S. Pomerantz
- Poster 110 *Disorders of Thyroid Function* *Clinical*
 A NOVEL THERAPEUTIC APPROACH FOR PATIENTS WITH GASTRIC DISORDERS AND T4 MALABSORPTION: THYROXINE SOFTGEL PREPARATION
 M. Santaguida, C. Virili, I. Gatto, S. Del Duca, L. Gargano, M. Centanni
- Poster 111 *Disorders of Thyroid Function* *Clinical*
 NATURAL DESICCATED THYROID: A VICTIM OF THE 'TOMATO EFFECT'?
 K.N. Woliner
- Poster 112 *Disorders of Thyroid Function* *Clinical*
 ATYPICAL PRESENTATION OF THYROTOXICOSIS: SEVERE HYPERCALCEMIA, SEVERE HYPOMAGNESEMIA AND MICROCYTIC ANEMIA
 H. Rajab, L. Luttrell
- Poster 113 *Iodine Uptake & Metabolism* *Basic*
 CHLORIDE CHANNEL 5, AN ALTERNATIVE APICAL IODIDE TRANSPORTER IN THYROCYTES?
 A. Bizhanova, J. Calil-Silveira, M. Nunes, P. Kopp
- Poster 114 *Iodine Uptake & Metabolism* *Clinical*
 CAN SEAWEED DERIVED ATMOSPHERIC GASEOUS IODINE SUPPLEMENT DIETARY INTAKE ?
 P.P. Smyth, R. Burns, M. Casey, K. Mullan, R. Huang, T. Hoffman, M. Andersson, C. O'Dowd
- Poster 115 *Thyroid Cancer* *Basic*
 CLINICAL VALIDITY AND UTILITY OF THE NOVEL GENE EXPRESSION CLASSIFIER IN THYROID NODULES AT CLEVELAND CLINIC FLORIDA
 K.M. Arce, V. Mohan, P. Desantis, J. Cabral, J. Diacovo, C.V. Villabona
- Poster 116 *Thyroid Cancer* *Basic*
 THIOREDOXIN INTERACTING PROTEIN (TXNIP): A TUMOR SUPPRESSOR IN THYROID CANCER?
 J.A. Morrison, L.A. Pike, S.B. Sams, V. Sharma, Q. Zhou, R.E. Schweppe, W.M. Wood, B. Haugen
- Poster 117 *Thyroid Cancer* *Basic*
 MOLECULAR ANALYSIS OF RESIDUAL THINPREP MATERIAL AFTER CYTOLOGY CLASSIFICATION ACCORDING TO THE BETHESDA SYSTEM FOR REPORTING THYROID CYTOPATHOLOGY (TBS) INCREASES SENSITIVITY AND ALLOWS MOLECULAR DIAGNOSTICS FOR NON-DIAGNOSTIC SAMPLES
 M. Eszlinger, J. Krane, E. Cibas, R. Paschke

- Poster 118 *Thyroid Cancer* *Basic*
 MUTATIONAL LANDSCAPE OF NONANAPLASTIC THYROID CARCINOMAS THAT DIE OF DISEASE
 T. Ibrahimasic, J.C. Ricarte-Filho, R.A. Ghossein, D.L. Carlson, I. Nixon, F.L. Palmer, S.G. Patel, R. Tuttle, A.J. Balm, J.P. Shah, J.A. Fagin, I. Ganly
- Poster 119 *Thyroid Cancer* *Basic*
 MOLECULAR AND CELLULAR EFFECTS OF SIRNA ON RET/PTC3 JUNCTION ONCOGENE IN PAPILLARY THYROID CARCINOMA
 H. Ali, G. Urbinati, H. Chapuis, D. Desmaële, P. Couvreur, L. Massaad-Massade
- Poster 120 *Thyroid Cancer* *Translational*
 ROLE OF FIBROBLAST IN PROMOTING PAPILLARY THYROID CANCER PROGRESSION
 L. Shen, L. Ye, G. Ning
- Poster 121 *Thyroid Cancer* *Translational*
 USEFULNESS OF THYROID CANCER BIOMARKERS FROM TUMOR SUPPRESSOR GENE METHYLATION IN PERIPHERAL BLOOD
 D. Koo, H. Jee, S. Kim, Y. Chai, Y. Suh, J. Woo, S. Tae, H. Lee, J. Jung, S. Paek, H. Kwon, E. Kim, Y. Youn, K. Lee
- Poster 122 *Thyroid Cancer* *Translational*
 STAT3 AND C-MET EXPRESSION MAY HELP DISTINGUISH MALIGNANCY AMONG THYROID NODULES BUT DOES NOT APPEAR TO PREDICT OUTCOME IN DIFFERENTIATED THYROID CARCINOMA PATIENTS
 A.G. Rocha, A. Campos, N. Bufalo, A.N. Silva, M.B. Martins, P. Latuf-Filho, M. Begnami, L.M. Assumpção, J. Vassallo, L.S. Ward
- Poster 123 *Thyroid Cancer* *Clinical*
 PROGNOSIS IN PATIENTS WITH FOLLICULAR THYROID CANCER
 H. Sugisaki, T. Mitsuhashi, T. Tomemori, R. Watanabe
- Poster 124 *Thyroid Cancer* *Clinical*
 UNMET INFORMATION AND SUPPORT NEEDS IN NEWLY DIAGNOSED THYROID CANCER: COMPARISON OF ADOLESCENT/YOUNG ADULTS (AYA) AND OLDER PATIENTS
 M. Goldfarb, J. Casillas
- Poster 125 *Thyroid Cancer* *Clinical*
 SCREENING FOR COWDEN SYNDROME IN A THYROIDOLOGY PRACTICE
 D. Brickman, M. Shindo, J. Sampson, K. Hamman, D. Madison, M. Milas
- Poster 126 *Thyroid Cancer* *Clinical*
 A NEW AGE AS A PROGNOSTIC INDICATOR FOR THYROID CANCER
 M. Banerjee, D. Muenz, M. Haymart
- Poster 127 *Thyroid Cancer* *Clinical*
 RADIOFREQUENCY ABLATION AS A TREATMENT ROLE OF LOCO-REGIONAL METASTATIC WELL-DIFFERENTIATED THYROID CARCINOMA
 S. Jung, S. Lee
- Poster 128 *Thyroid Cancer* *Clinical*
 PREDICTORS OF THE DEVELOPMENT OF HYPOCALCEMIC SYMPTOMS ACCORDING TO POSTOPERATIVE DAYS AFTER TOTAL THYROIDECTOMY
 N. Yun, Y. Lee, J. Cho, T. Sung, K. Chung, S. Hong, J. Yoon
- Poster 129 *Thyroid Cancer* *Clinical*
 ULTRASOUND-GUIDED PERCUTANEOUS ETHANOL ABLATION REPRESENTS A PROMISING MINIMALLY INVASIVE ALTERNATIVE TO OBSERVATION IN PAPILLARY THYROID MICROCARCINOMA
 I.D. Hay, R.A. Lee
- Poster 130 *Thyroid Cancer* *Clinical*
 THE ANALYSIS OF TUMOR AGGRESSIVENESS ACCORDING TO TUMOR SIZE IN PAPILLARY THYROID CARCINOMA LESS THAN 2CM IN SIZE IN KOREAN PATIENTS
 J. Hong, H. Park

- Poster 131 *Thyroid Cancer* *Clinical*
EXTENT OF LYMPH NODE METASTASIS AND APPROACH TO PARATHYROID GLAND MANAGEMENT PREDICT RISK OF HYPOCALCEMIA IN PEDIATRIC PAPILLARY THYROID CANCER
A.W. Gannon, C.S. Clemmens, K. Kovatch, R. Hammond, S. Mostoufi-Moab, N. Adzick, A.J. Bauer, K. Kazahaya
- Poster 132 *Thyroid Cancer* *Clinical*
THE IMPACT OF NEW VESSEL SEALING TECHNOLOGY ON THE OPERATIVE EFFICIENCY OF ENDOCRINE SURGEONS
S. Aliyev, O. Agcaoglu, E. Berber, M. Milas, A.E. Siperstein
- Poster 133 *Thyroid Cancer* *Clinical*
BRAF^{V600E} MUTATION IS LESS FREQUENT IN PAPILLARY THYROID CARCINOMA WITH COEXISTENT HASHIMOTO'S THYROIDITIS
W. Park, M. Jeon, J. Han, W. Kim, T. Kim, W. Kim, Y. Shong
- Poster 134 *Thyroid Cancer* *Clinical*
IS BLACK THYROID A RISK FACTOR FOR MALIGNANCY?
Y. Ibrahim, M.A. Murcy, B. Crawford, H.M. Masoodi, P.L. Friedlander, E. Kandil
- Poster 135 *Thyroid Cancer* *Clinical*
SUCCESSFUL WOUND HEALING IN TWO PATIENTS ON INVESTIGATIONAL TYROSINE KINASE INHIBITOR THERAPY JIRAJARIYAVEJ T., TSAI W., GIANOUKAKIS AG
T. Jirajariyavej, W. Tsai, A.G. Gianoukakis
- Poster 136 *Thyroid Cancer* *Clinical*
THYROID CANCER IN ASSOCIATION WITH HASHIMOTO'S THYROIDITIS
M.A. Murcy, S.H. Mohamed, S. Tassaduq, P.L. Friedlander, H.M. Masoodi, E. Kandil
- Poster 137 *Thyroid Cancer* *Clinical*
A RISE, OR DE NOVO APPEARANCE, OF THYROGLOBULIN AUTOANTIBODIES (TGAB) IS COMMONLY SEEN ACUTELY FOLLOWING THYROIDECTOMY FOR DIFFERENTIATED THYROID CANCER (DTC)
S. Fatemi, I. Petrovic, C. Spencer
- Poster 139 *Thyroid Cancer* *Clinical*
SERUM LEVELS OF THYROGLOBULIN AND NECK ULTRASONOGRAPHY FOR THE EARLY DETECTION OF LYMPHNODE METASTASES, AND LONG TERM FOLLOW UP AFTER RADIOIODINE AND/OR SURGICAL TREATMENT IN PATIENTS WITH PAPILLARY OR FOLLICULAR THYROID CANCER
A. Antonelli, P. Fallahi, S. Ferrari, A. Di Domenicantonio, C. Mancusi, G. Materazzi, E. Ferrannini, P. Miccoli
- Poster 141 *Thyroid Cancer* *Clinical*
UNDERSTANDING BARRIERS TO CARE AND KNOWLEDGE OF DISEASE IN HISPANIC PATIENTS WITH THYROID CANCER: A FOCUS GROUP APPROACH
A.H. Leon Guerrero, N.D. Bhatia, J.Z. Yu, I.P. Lim, K.N. Patel, J.B. Ogilvie
- Poster 142 *Thyroid Cancer* *Clinical*
THYROID BED NODULES ON ULTRASONOGRAPHY AFTER TOTAL THYROIDECTOMY
C. Choudhary, K.D. Burman
- Poster 143 *Thyroid Cancer* *Clinical*
IMPACT OF FINE NEEDLE ASPIRATE BRAF MUTATIONS ON SURGICAL DECISION-MAKING IN A VETERAN POPULATION
M. Sawicki, M.B. Wang, M. Lewis
- Poster 144 *Thyroid Cancer* *Clinical*
WEIGHT GAIN AFTER THYROIDECTOMY IN PATIENTS WITH THYROID CANCER YONGSEONG KIM, SEONGBIN HONG DIVISION OF ENDOCRINOLOGY AND METABOLISM, DEPARTMENT OF MEDICINE, INHA UNIVERSITY, INCHEON, SOUTH KOREA
Y. Kim
- Poster 145 *Thyroid Cancer* *Clinical*
TREATMENT OF PAPILLARY THYROID CARCINOMA IN OUR HOSPITAL
R. Watanabe, T. Mitsuhashi, T. Tomemori, H. Sugisaki

- Poster 146 *Thyroid Cancer* *Clinical*
 ATYPICAL PRESENTATION OF HURTHLE CELL FOLLICULAR THYROID CARCINOMA IN AN ELDERLY PATIENT
 R. Patel, K. Racedo, M. Via, B. Zumoff, R. Goldfarb, V. Yen
- Poster 147 *Thyroid Development* *Clinical*
 MINIMALLY INVASIVE VIDEO-ASSISTED PARATHYROIDECTOMY COMPARED WITH THE CONVENTIONAL OPEN
 OPERATION FOR PRIMARY HYPERPARATHYROIDISM: A RANDOMIZED CONTROLLED TRIAL
 Y. Fan
- Poster 148 *Thyroid Hormone Action* *Basic*
 T3 AND GLUCOSE COORDINATELY STIMULATE BROWN ADIPOSE TISSUE (BAT) TO BECOME HYPERMETABOLIC
 L.S. Katz, S. Xu, K. Ge, M.C. Gershengorn
- Poster 149 *Thyroid Hormone Action* *Basic*
 THYROID HORMONE INHIBITS DIFFERENTIATION OF CILIATED CELLS IN THE PRIMARY CULTURE OF HUMAN
 AIRWAY EPITHELIUM
 E. McAninch, N. Schmid, M. Salathe, A. Bianco
- Poster 150 *Thyroid Hormone Action* *Clinical*
 A NOVEL MUTATION OF THYROID RECEPTOR BETA SUBUNIT CAUSING RESISTANCE TO THYROID HORMONE
 V.D. Tarasova, S. Kolukula, R.J. Anderson
- Poster 151 *Thyroid Hormone Metabolism & Regulation* *Basic*
 HEPATIC CONTROL OF LIPID METABOLISM THROUGH TRANSCRIPTIONAL REGULATION BY THYROID HORMONE
 RECEPTOR BETA
 S. Ayers, J. Lammel, A. Angajala, P. Webb
- Poster 152 *Thyroid Hormone Metabolism & Regulation* *Basic*
 TR AGONISTS ELICIT A FUNCTIONAL CONVERSION OF WHITE TO BROWN FAT
 K. Phillips
- Poster 153 *Thyroid Hormone Metabolism & Regulation* *Clinical*
 UNIQUE STUDIES OF LEVOTHYROXINE PHARMACOKINETICS IN THE ELDERLY
 O.P. Soldin, C. Melvin, K.D. Burman, I. Younis
- Poster 154 *Thyroid Hormone Metabolism & Regulation* *Clinical*
 METFORMIN "BUFFER EFFECT" ON TSH LEVELS IN EUTHYROID DIABETIC PATIENTS
 S. Santos, A. Brugos, A. Garmendia, J. Escalada, F. Guillén-Grima, J. Galofré
- Poster 155 *Thyroid Imaging* *Clinical*
 ASSOCIATION BETWEEN THYROID NODULE SIZE AND RISK OF MALIGNANCY IN FOLLICULAR NEOPLASM
 Y. Ibrahim, S.H. Mohamed, K. Moroz, P.L. Friedlander, E. Kandil
- Poster 156 *Thyroid Imaging* *Basic*
 THE IMPORTANCE OF CLINICIAN-PERFORMED ULTRASOUND FOR THE PROPER INITIAL SURGICAL
 MANAGEMENT OF DIFFERENTIATED THYROID CANCER
 K. Parrack, A.E. Siperstein, M. Milas, J. Shin, R. Metzger, J. Jin, E. Berber, J. Mitchell
- Poster 157 *Thyroid Imaging* *Clinical*
 COMPUTERIZED QUANTIFICATION OF ULTRASOUND HETEROGENEITY IN THYROID NODULES
 K. Chen, C. Chen, M. Wu, A. Chen, K. Chang
- Poster 158 *Thyroid Imaging* *Clinical*
 INCIDENTAL THYROID NODULE DETECTION BY MULTIPLE IMAGING MODALITIES IS NOT A MAJOR FACTOR IN
 THE RISING INCIDENCE OF THYROID CANCER
 A. Uppal, S. Nagar, B. Aschebrook-Kilfoy, P. Angelos, E. Kaplan, R. Grogan
- Poster 159 *Thyroid Imaging* *Clinical*
 MINIATURIZATION DOES NOT IMPAIR THE ABILITY OF ESS TO ASSESS MALIGNANCY IN HUMAN THYROID
 NODULES
 J.E. Rosen, N.J. Giordano, F. Azar, E. Rodriguez-Diaz, O.M. A'Amar, I.J. Bigio, S.L. Lee

- Poster 160 *Thyroid Nodules & Goiter* *Translational*
HOW MUCH IS ENOUGH: ESTABLISHING VOLUME AND PRESSURE RELATIONSHIPS DURING FINE-NEEDLE ASPIRATION THYROID BIOPSY
N.J. Giordano, V. Voroshilov, J.E. Straub, J.E. Rosen, S.L. Lee
- Poster 161 *Thyroid Nodules & Goiter* *Clinical*
CLINICAL OUTCOMES OF ATYPIA OF UNDETERMINED SIGNIFICANCE IN FINE NEEDLE THYROID NODULE ASPIRATES
R.T. Shrestha, J.V. Hennessey
- Poster 162 *Thyroid Nodules & Goiter* *Clinical*
A NOVEL FORMULATION OF LEVOTHYROXINE (ORAL SOLUTION) IS RESISTANT TO THE LEVOTHYROXINE MALABSORPTION INDUCED BY PROTON-PUMP INHIBITORS (PPI)
R. Vita, G. Saraceno, F. Trimarchi, S. Benvenega
- Poster 163 *Thyroid Nodules & Goiter* *Clinical*
DIAGNOSING INDETERMINATE THYROID NODULES WITH ESS: IN VIVO MEASUREMENT IMPROVES DIAGNOSTIC VALUE OF FINE-NEEDLE ASPIRATION BIOPSY
J.E. Rosen, N.J. Giordano, H. Suh, E. Rodriguez-Diaz, O.M. A'Amar, I.J. Bigio, S.L. Lee
- Poster 164 *Thyroid Nodules & Goiter* *Clinical*
A PROSPECTIVE COMPARISON OF COMPLICATIONS IN RE-OPERATIVE THYROID SURGERY BETWEEN LOCAL AND NATIONAL DATA
J.A. Smith, J.C. Hardman, C.J. McCabe, J.C. Watkinson
- Poster 165 *Thyroid Nodules & Goiter* *Clinical*
PERCUTANEOUS ETHANOL INJECTION FOR THE TREATMENT OF SOLID THYROID NODULES: MEXICAN EXPERIENCE
S. Miracle
- Poster 166 *Thyroid Hormone Action* *Basic*
ADVANCES IN THE UNDERSTANDING OF THE ACTION MECHANISM OF 3,5-T₂ IN FISH
G. Hernandez-Puga, P. Navarrete-Ramírez, A. Orozco
- Poster 167 *Thyroid Nodules & Goiter* *Case Report*
AN UNUSUAL CASE OF INFECTIOUS THYROIDITIS
E. McAninch, C. Xu, V. Lagari-Libhaber, B. Kim
- Poster 168 *Disorders of Thyroid Function* *Case Report*
HYPERTHYROIDISM PRESENTING AS PULMONARY HYPERTENSION AND ISOLATED RIGHT HEART FAILURE: A RARE CLINICAL ENTITY
M. Fronteras, B. Bielory, A. Hussain, S. Bhagavatula
- Poster 169 *Disorders of Thyroid Function* *Case Report*
HYPERTHYROIDISM IN GESTATIONAL TROPHOBLASTIC DISEASE
S. Bhat, J. Maletkovic
- Poster 170 *Disorders of Thyroid Function* *Case Report*
CONGENITAL HYPOTHYROIDISM AND MULTIPLE CALSIFICATIONS IN A CHILD
Z. Orbak, M. Kantarci
- Poster 171 *Thyroid Cancer* *Case Report*
PAROTID MUCOEPIDERMOID CANCER FOLLOWING THYROID RADIOIODINE ABLATION
A. Wang, A. Khan
- Poster 172 *Thyroid Cancer* *Case Report*
CLOSE ASSOCIATION BETWEEN FAMILIAL ADENOMATOUS POLYPOSIS SYNDROME AND CRIBIFORM-MORULAR VARIANT OF PAPILLARY THYROID CANCER
W. Sacks, M. Chowdhry

Poster 173 HOT MALIGNANCY R. Gaba, N. Ramaswami	<i>Thyroid Cancer</i>	<i>Case Report</i>
Poster 174 DOES INTERFERON BETA 1A (IFN β 1A) TREATMENT FOR MULTIPLE SCLEROSIS ALTER THE IMMUNE MICROENVIRONMENT OF PAPILLARY THYROID CANCER (PTC)? S. Thida, S. Imam, R. McKenney, J.C. Jaume	<i>Thyroid Cancer</i>	<i>Case Report</i>
Poster 175 HYPERTHYROIDISM-INDUCED HEART BLOCK: A CASE SERIES IN THE PHILIPPINE GENERAL HOSPITAL A.I. Aguilar, M.S. Sandoval	<i>Thyroid Hormone Action</i>	<i>Case Report</i>
Poster 176 NEGLECTED EXOPHYTIC ULCERATING PAPILLARY THYROID CANCER H.C. Urbanozo, L.T. Acampado	<i>Thyroid Cancer</i>	<i>Case Report</i>
Poster 177 UNIQUE OCCURRENCE AND COURSE OF GRAVES' DISEASE IN A PATIENT WITH PTEN HAMARTOMA TUMOR SYNDROME V.D. Tarasova, N.N. Nahar, N.E. Dietz, R.R. Recker, R.J. Anderson	<i>Thyroid Nodules & Goiter</i>	<i>Case Report</i>
Poster 178 WHEN TREATMENT CAUSE MORE LONG TERM PROBLEMS THAN BENEFIT. A CASE OF INDUCED HYPERTHYROIDISM WHICH COMPLICATED THE MANAGEMENT OF ATRIAL FIBRILLATION D. Bellabarba, N. Van Rossum	<i>Disorders of Thyroid Function</i>	<i>Case Report</i>
Short Call Poster 11 EFFECTS OF THYROID HORMONE RECEPTOR ALPHA 1 MUTATION ON ADULT BONE D. Bassett, A. Boyde, T. Zikmund, H. Evans, P. Croucher, X. Zhu, P. Jeong Won, S. Cheng, G.R. Williams	<i>Thyroid Hormone Action</i>	<i>Translational</i>
Short Call Poster 12 FURTHER DECLINE IN MEDIAN IODINE LEVELS IN US WOMEN: ANALYSIS OF IODINE LEVELS IN WOMEN AT PRE-CONCEPTION OFFICE VISIT A. Stagnaro-Green, E. Doso-Isonagie, N. Gaba, X. He, C. Spencer, E.N. Pearce	<i>Iodine Uptake & Metabolism</i>	<i>Clinical</i>
10:20 a.m. – 11:50 a.m.	ATA Clinical Trainees' Track: Case Discussions – Thyroid Cancer (Open to all trainees; cases submitted by trainees for discussion)	
	Endocrinology	<i>R. Michael Tuttle and Ian Hay</i>
	Surgery	<i>David L. Steward</i>
11:15 a.m. – 12:30 p.m.	Arthur Bauman Clinical Symposium: Every Day Ethical Dilemmas for Thyroid Practitioners <i>Chair: Loren Wissner Greene</i>	
	Ethical Issues in Robotic Transaxillary Thyroidectomy	<i>Peter Angelos</i>
	Ethical Challenges with Tyrosine Kinase Inhibitors for Thyroid Cancer:	<i>Keith Bible</i>
	Costs, Therapeutic Benefits, and Distributive Justice	
	The Limits of Autonomy in Thyroid Disease Management	<i>M. Sara Rosenthal</i>
11:15 a.m. – 12:30 p.m.	Basic: Thyroid Hormone and Neurobiology <i>Chair: Frédéric Flamant</i>	
	T3 and Neural Stem Cell Commitment	<i>Barbara Demeneix</i>
	T3/TRa1 in Hypothalamic Development and Cardiovascular Function	<i>Bjorn Vennstrom</i>
	Visual/Hearing System Development	<i>Douglas Forrest</i>

12:10 p.m. – 1:30 p.m.	<p>ATA Clinical Trainees' Track: Setting Up a Thyroid Practice (Open to all trainees; Lunch served 12:30 – 1:25 PM – lunch ticket required for meal)</p> <p>General Nuclear Medicine Ultrasound</p>	<p><i>Mark Lupo</i> <i>J. Woody Sistrunk</i> <i>Robert Levine</i></p>
12:30 p.m. – 1:25 p.m.	<p>Poster Review and Lunch on your Own</p>	
12:30 p.m. – 1:25 p.m.	<p>ATA Basic Trainees' Track Lunch Session: Taking the Next Step – To Postdoc and Beyond (Open to all trainees – lunch ticket required for meal)</p>	<p><i>Honey Reddi</i> <i>David Sharlin</i></p>
12:30 p.m. – 1:25 p.m.	<p>ATA Expo Theater Presentation with MedImmune, Specialty Care Division of AstraZeneca – Discussing a Treatment Option for a Rare Disease: Advanced Medullary Thyroid Cancer (Open to all attendees; space limited, first come, first served)</p>	<p><i>Hari A. Deshpande</i></p>
1:30 p.m. – 2:15 p.m.	<p>Lewis E. Braverman Award Lecture: Enhancing Iodide Transport in Thyroid & Breast Cancer <i>Introduction: Susan Mandel</i></p>	<p><i>Gregory A. Brent</i></p>
2:20 p.m. – 3:20 p.m.	<p>Meet the Professor Workshops (Pre-registered selections available with mailing badge)</p> <p>Clinical: Duration of Anti-Thyroid Drug Treatment in Graves' Disease: Children vs. Adults</p> <p>Clinical: Thyroid Cancer in Pregnancy</p> <p>Clinical: Management of Thyroid Disease in the Elderly</p> <p>Basic: The Sodium Iodide Symporter in Non-Thyroid Cancer</p> <p>Translational: The Nonthyroidal Illness Syndrome: Clinical Management and Basic Mechanisms</p>	<p><i>Juliane Leger/ David Cooper</i></p> <p><i>Erik Alexander/ Sanziana Roman</i></p> <p><i>Kristien Boelaert/ Linwah Yip</i></p> <p><i>Jamila Faivre/ John Morris</i></p> <p><i>Virginia Sarapura/ Anita Boelen</i></p>
3:25 p.m. – 3:50 p.m.	<p>Clark T. Sawin Historical Vignette Italian Thyroidology – Renaissance to Pinchera <i>Dedicated to the memory of Aldo Pinchera</i> <i>Introduction: Lewis Braverman</i></p> <p>The Clark T. Sawin History Resource Center supports this historical lecture and memorializes the work of Dr. Sawin, who served as chair of the history and archives committee for many years; and as the presenter of the historical vignette at ATA annual meetings from 1993 – 2003; and as president of the ATA 2003-2004.</p>	<p><i>Furio Pacini</i></p>
3:50 p.m. – 4:20 p.m.	<p>Poster Review Session and Break in the Exhibit Hall</p>	
4:20 p.m. – 5:05 p.m.	<p>Research Grants Symposium <i>Chair: Christine Spitzweg</i></p> <p>Targeting BRAFV600E with an Orally Available Selective Inhibitor in Novel <i>in vitro</i> and <i>in vivo</i> Preclinical Models of Human Papillary Thyroid Cancer Elucidating the <i>in vivo</i> Mechanisms by which Thyroid Hormone Regulates Energy Expenditure The Role of the Translocator Protein (TSPO) in the Thyroid Cancer Response to the Treatment</p>	<p><i>Carmelo Nucera</i> <i>Inna Astapova</i> <i>Joanna Klubo-Gwiedzinska</i></p>

5:10 p.m. – 6:40 p.m.

Basic/Translational Oral Abstract Session

Chair: John A. Copland, III

- Oral 90 *Autoimmunity* *Basic*
TSH RECEPTOR TRANSMEMBRANE- "HOTSPOTS" FOR THYROID STIMULATION REVEALED BY SMALL MOLECULE AGONISM
R. Latif, S.A. Morshed, M. Ali, T.F. Davies
- Oral 91 *Autoimmunity* *Translational*
CROSS-COMMUNICATION BETWEEN IGF-1R AND TSHR IN ORBITAL FIBROBLASTS FROM PATIENTS WITH GRAVES' OPHTHALMOPATHY (GO)
S. Kumar, M. Coenen, S. Iyer, P. Chiriboga, R.S. Bahn
- Oral 92 *Autoimmunity* *Translational*
GENETIC VARIANTS ASSOCIATED WITH THYROID AUTOIMMUNITY AND CLINICAL THYROID DISEASE: NEW INSIGHTS FROM A GENOME WIDE META-ANALYSIS IN 27,000 SUBJECTS
M. Medici, E. Porcu, G. Pistis, A. Teumer, S. Brown, R. Jensen, R. Rawal, G. Roef, J. Lahti, M. Simmonds, L. Husemoen, R. Freathy, B. Shields, D. Pietzner, R. Nagy, B. Psaty, A. de la Chapelle, S. Gough, H. Meyer zu Schwabedissen, T. Frayling, A. Linneberg, K. Rääkkönen, J. Smit, F. Rivadeneira, A. Uitterlinden, J. Walsh, C. Meisinger, M. den Heijer, T.J. Visser, S. Wilson, H. Völzke, A.R. Cappola, D. Toniolo, S. Sanna, S. Naitza, R. Peeters
- Oral 93 *Thyroid Hormone Metabolism & Regulation* *Basic*
ADIPOSE TISSUE-SPECIFIC INACTIVATION OF TYPE II DEIODINASE RAISES THE EXCHANGE RESPIRATORY RATIO AND INCREASES SUSCEPTIBILITY TO DIET-INDUCED OBESITY
T. Fonseca, M. Castillo, J. Werneck de Castro, M. Correa-Medina, B. Bocco, G. Fernandes, E. McAninch, G. Balazs, C. Moises, A. Ferreira, A. Bianco
- Oral 94 *Thyroid Hormone Metabolism & Regulation* *Basic*
β-ARRESTIN 1 MEDIATES TSH RECEPTOR SIGNALING
S. Neumann, E. Eliseeva, M.C. Gershengorn
- Oral 95 *Thyroid Hormone Action* *Basic*
RAPID EFFECTS OF T3 ON POSTTRANSCRIPTIONAL STEPS OF TSH SYNTHESIS AND SECRETION IN TALPHAT1 CELL LINE AND PRIMARY CULTURE OF ANTERIOR PITUITARY CELLS
P. Bargi-Souza, M. Kucka, I. Bjelobaba, F. Goulart-Silva, S.S. Stojilkovic, M. Nunes

5:10 p.m. – 6:40 p.m.

Clinical Oral Abstract Session

Chairs: Joshua Klopper and Mabel Ryder

- Oral 96 *Thyroid Cancer* *Clinical*
OUTCOMES OF PATIENTS WITH POORLY DIFFERENTIATED THYROID CANCER OF FOLLICULAR ORIGIN TREATED WITH FIRST LINE SORAFENIB
A. Adili, B. Chasen, R. Dadu, M. Williams, S.K. Ali, S.G. Waguespack, M.A. Habra, G. Cote, N. Busaidy, C. Jimenez, M.I. Hu, R.V. Sellin, S.I. Sherman, M.E. Cabanillas
- Oral 97 *Thyroid Cancer* *Clinical*
SURVIVAL AND EFFICACY OF SALVAGE TYROSINE KINASE INHIBITORS (TKIS) AFTER FIRST LINE SORAFENIB (SOR) FAILURE IN PATIENTS WITH ADVANCED DIFFERENTIATED THYROID CANCER (DTC)
R. Dadu, C. Devine, M. Hernandez, N. Busaidy, S.G. Waguespack, M.I. Hu, A. Ying, M.A. Habra, C. Jimenez, R.V. Sellin, G. Cote, S. Sherman, M.E. Cabanillas
- Oral 98 *Thyroid Cancer* *Clinical*
OVERUTILIZATION OF RAI FOR VERY LOW RISK THYROID CANCER IS MOST FREQUENT IN REGIONS WITH POORER HEALTHCARE ACCESS

J. Marti, R. Tuttle, L.G. Morris

Oral 99 *Thyroid Cancer* *Translational*
IDENTIFICATION OF NEW DIAGNOSTIC MARKERS FOR CYSTIC PAPILLARY THYROID
CARCINOMA: A PROTEOMICS APPROACH

A. Dinets, M. Pernemalm, H. Eriksson, V. Sviatoha, A. Sofiadis, J. Zedenius, C. Larsson, J. Lehtiö, A. Höög

Oral 100 *Thyroid Cancer* *Clinical*
PHASE III RANDOMIZED, DOUBLE-BLINDED, PLACEBO-CONTROLLED TRIAL OF
SORAFENIB IN LOCALLY ADVANCED OR METASTATIC PATIENTS WITH RADIOACTIVE
IODINE (RAI)-REFRACTORY DIFFERENTIATED THYROID CANCER (DTC) -
EXPLORATORY ANALYSES OF PATIENT-REPORTED OUTCOMES

M. Schlumberger, B. Jarzab, R. Elisei, S. Siena, L. Bastholt, C. de la Fouchardiere, F. Pacini, R. Paschke, F. Worden, A. Bockisch, C. Nutting, Y. Shong, S.I. Sherman, J. Smit, J. Chung, C. Kappeler, I. Molnar, K. Keating, D. Cella, M.S. Brose

Oral 101 *Thyroid Cancer* *Translational*
NEXT GENERATION SEQUENCING IS FEASIBLE ON FINE-NEEDLE-ASPIRATION
SPECIMENS AND IMPROVES THE DIAGNOSIS OF THYROID NODULES

M. Le Mercier, N. D'Haene, N. De Nève, C. Degand, S. Rorive, I. Salmon

7:30 p.m. – 11:00 p.m.

ATA Annual Reception and Banquet

(Admission by ticket only)

Presentation of the ATA Distinguished Service Award
In recognition and honor of a member who has made important and
continuing contributions to the Association.

2013 Awardee:
Peter Singer

Presentation of the John B. Stanbury Thyroid Pathophysiology Medal
In recognition of outstanding research contributions, either conceptual or
technical, to the understanding of thyroid physiology or the pathophysiology
of thyroid disease, as evidenced by having a major impact on research or
clinical practice related to thyroid diseases.

2013 Awardee:
Theo Visser



6:30 a.m. – 5:30 p.m.	Registration Open	
6:30 a.m. – 7:30 a.m.	Early Riser Symposium Continental Breakfast	
6:45 a.m. – 8:00 a.m.	Early Riser Symposium: Ongoing Controversies in the Surgical Management of Thyroid Cancer <i>Moderator: Gerard Doherty</i>	
	Is Prophylactic Central Neck Dissection Indicated for Papillary Thyroid Cancer?	<i>Sara Pai</i>
	What are the Indications for Lateral Neck Dissection?	<i>Brendan Stack</i>
	How Should Microcarcinomas be Handled in the Operating Room?	<i>Elizabeth Grubbs</i>
8:05 a.m. – 8:10 a.m.	Announcements <i>Program Chairs Ronald Koenig and Julie Ann Sosa</i>	
8:10 a.m. – 8:55 a.m.	Plenary Lecture: Embryonic Stem Cell Differentiation into a Functioning Thyroid Gland <i>Introduction: Douglas Forrest</i>	<i>Sabine Costagliola</i>
9:00 a.m. – 10:30 a.m.	Short Call Oral Abstracts <i>Chairs: R. Michael Tuttle and Rebecca Schweppe</i>	
	Short Call Oral 1 <i>Thyroid Hormone Metabolism & Regulation</i> <i>Basic</i> A SEQUENTIAL EXPRESSION OF D3 AND D2 DEIODINASES IS REQUIRED DURING SKELETAL MUSCLE REGENERATION M. Dentice, R. Ambrosio, C. Luongo, F. Alfano, D. Salvatore	
	Short Call Oral 2 <i>Thyroid Cancer</i> <i>Basic</i> IDENTIFICATION OF ALK FUSIONS AS A POTENTIAL THERAPEUTIC TARGET IN AGGRESSIVE FORMS OF THYROID CANCER L.M. Kell, G. Barila; P. Liu, S. Trivedi, S.E. Carty, S. Hodak, M. Nikiforova, R.L. Ferris, D. Altschuler, Y. Nikiforov	
	Short Call Oral 3 <i>Thyroid Cancer</i> <i>Translational</i> INCREASING THE DIAGNOSTIC YIELD OF THYROID CANCER: A CASE-CONTROL STUDY IN OVER 600 PRE- AND POST-SURGICAL SPECIMENS E. Labourier, S. Beaudenon, D. Wylie, T. Giordano	
	Short Call Oral 4 <i>Disorders of Thyroid Function</i> <i>Translational</i> CHILDREN BORN TO WOMEN WITH HYPOTHYROIDISM DURING PREGNANCY SHOW ABNORMAL CORPUS CALLOSUM DEVELOPMENT A. Samadi, J. Skocic, J. Rovet	
	Short Call Oral 5 <i>Thyroid Cancer</i> <i>Clinical</i> TSH SUPPRESSION INCREASES THE RISK OF OSTEOPOROSIS WITHOUT CHANGING RECURRENCE IN NON-HIGH RISK PATIENTS WITH THYROID CARCINOMA A.W. Smith, L.Y. Wang, F.L. Palmer, A. Mahrous, I. Ganly, S.G. Patel, R.M. Tuttle, J.A. Fagin, L. Boucai	
	Short Call Oral 6 <i>Thyroid Cancer</i> <i>Clinical</i> TERT PROMOTER MUTATION CORPORATES WITH BRAF MUTATION TO PROMOTE THYROID CANCER RECURRENCE M. Xing, X. Liu, R. Liu, S. I. Pai, M. Zeiger, J. Bishop	

9:00 a.m. – 10:30 a.m.	ATA Clinical Trainees' Track: Case Discussions – Thyroid Function (Open to all trainees; cases submitted by trainees for discussion)	<i>Peter Singer and David Cooper</i>
9:30 a.m. – 1:30 p.m.	Exhibit Hall Open	
10:30 a.m. – 11:30 a.m.	ATA Clinical Trainees' Track: Career Tracks (Open to all trainees) Private Practice Academic (Clinical) Industry	<i>Jennifer Lawrence Elizabeth Pearce Jim Magner</i>
10:30 a.m. – 11:30 a.m.	Poster Review Session and Break in the Exhibit Hall	
Poster 187	<i>Autoimmunity</i>	<i>Basic</i>
THE REFINING ASSOCIATION OF TSHR SUSCEPTIBILITY LOCUS TO GRAVES' DISEASE IN THE CHINESE HAN POPULATION S. Zhao, B. Liu, S. Yang, W. Liu, L. Xue, C. Pan, H. Song		
Poster 188	<i>Autoimmunity</i>	<i>Clinical</i>
RELEVANCE OF THE THYROID STIMULATING AUTOANTIBODIES IN THE MEDICAL MANAGEMENT OF GRAVES DISEASE - A PROSPECTIVE TRIAL G.J. Kahaly, T. Diana, M. Kanitz		
Poster 189	<i>Autoimmunity</i>	<i>Clinical</i>
VITAMIN D AND AUTOIMMUNE THYROID DISEASE (AT): PRELIMINARY RESULTS P. De Remigis, L. Vianale, A. De Remigis, G. Napolitano		
Poster 190	<i>Disorders of Thyroid Function</i>	<i>Clinical</i>
A PILOT STUDY: SUBCLINICAL HYPOTHYROIDISM AND FREE THYROID HORMONE MEASUREMENT BY IMMUNOASSAY AND MASS SPECTROMETRY V. Gounden, J. Jonklaas, S.J. Soldin		
Poster 191	<i>Disorders of Thyroid Function</i>	<i>Clinical</i>
FAILURE OF RADIOACTIVE IODINE IN TREATMENT OF HYPERTHYROIDISM D.F. Schneider, P.E. Sonderman, M.F. Jones, K.A. Ojomo, H. Chen, J.C. Jaume, D.F. Elson, S.B. Perlman, R.S. Sippel		
Poster 192	<i>Disorders of Thyroid Function</i>	<i>Clinical</i>
SUBCLINICAL HYPOTHYROIDISM IS ASSOCIATED WITH HIGHER CORONARY ARTERY CALCIFICATION M. Vaisman		
Poster 193	<i>Disorders of Thyroid Function</i>	<i>Clinical</i>
FACTORS AFFECTING OUTCOMES AFTER ELECTIVE THYROIDECTOMY FOR BENIGN THYROID DISORDERS A. Cardenas, E. Ong, M. Guerrero		
Poster 194	<i>Disorders of Thyroid Function</i>	<i>Clinical</i>
COMPARISON BETWEEN TOTAL THYROIDECTOMY AND SUBTOTAL THYROIDECTOMY IN GRAVES' DISEASE Y. Lee, J. Cho, T. Sung, J. Yoon, K. Chung, S. Hong		
Poster 195	<i>Disorders of Thyroid Function</i>	<i>Clinical</i>
HEPATOTOXICITY AND CUTANEOUS REACTIONS AFTER ANTITHYROID DRUGS ADMINISTERED DURING PREGNANCY J.Y. Noh, A. Yoshihara, K. Iwaku, S. Kobayashi, M. Suzuki, H. Ohye, M. Matsumoto, Y. Kunii, N. Watanabe, K. Mukasa, S. Nagataki, K. Ito		
Poster 196	<i>Disorders of Thyroid Function</i>	<i>Clinical</i>
MYXEDEMA COMA. HOSPITAL UNIVERSITARIO SAN VICENTE FUNDACIÓN'S EXPERIENCE, COLOMBIA A. Roman-Gonzalez, K. Garcia-Rueda, L. Urrea Pineda, C. Vargas, C. Builes-Barrera		
Poster 197	<i>Disorders of Thyroid Function</i>	<i>Clinical</i>
HYPERTHYROIDISM CAUSED BY ACQUIRED IMMUNE DEFICIENCY SYNDROME J. Wang, J. Zhou, X. Yuan, C. Li, H. Sheng, B. Su, C. Sheng, S. Qu, H. Li		

- Poster 198 *Iodine Uptake & Metabolism* *Basic*
 IS PENDRIN REGULATED BY IODIDE?
 J. Calil-Silveira, P. Kopp, M. Nunes
- Poster 199 *Iodine Uptake & Metabolism* *Clinical*
 EFFECTS OF FASTING, AGE AND BMI ON URINE IODINE LEVELS FROM CHILDHOOD TO YOUNG ADULTHOOD:
 LESSONS FROM THE 2007-2010 NHANES SURVEYS
 R. Newfield, Y. Pan, K. Caldwell
- Poster 201 *Thyroid Cancer* *Basic*
 SRC MEDIATES LIGAND-INDEPENDENT ACTIVATION OF C-MET IN THYROID CANCER CELLS
 D. Lim, C. Chan, A.A. Kerege, B. Haugen, R.E. Schweppe
- Poster 202 *Thyroid Cancer* *Basic*
 DISTINCT TRANSCRIPTIONAL SIGNATURE OF PAPILLARY THYROID CARCINOMA ACCORDING TO THE
 FREQUENCY OF BRAFV600E ALLELES
 M. Barros Filho
- Poster 203 *Thyroid Cancer* *Basic*
 INHIBITING HDAC6 AND HDAC1 UPREGULATES RHOB WITH DIVERGENT DOWNSTREAM TARGETS, BIM OR P21,
 LEADING TO EITHER APOPTOSIS OR CYTOSTASIS
 L.A. Marlow, I. Bok, R.C. Smallridge, J.A. Copland
- Poster 205 *Thyroid Cancer* *Basic*
 DETECTION OF SATB1 IN THYROID CANCER
 S. Muroso, T. Yoshizaki
- Poster 206 *Thyroid Cancer* *Translational*
 SCD1 IS A NOVEL TARGET IN ANAPLASTIC THYROID CARCINOMA
 C. von Roemeling, L. Marlow, A. Crist, R.C. Smallridge, J.A. Copland
- Poster 207 *Thyroid Cancer* *Translational*
 EBV MAY PLAY A ROLE IN THE DEVELOPMENT OF THYROID NODULES
 J.M. Almeida, M. Marcello, N. Bufalo, L.P. Amaral, C.L. Rossi, P.P. Araújo, A.J. Tincani, L.S. Ward
- Poster 208 *Thyroid Cancer* *Translational*
 MICRORNA7 IS BOTH A BIOMARKER AND A MODULATOR OF GENE EXPRESSION CHANGES IN HUMAN
 PAPILLARY THYROID CANCER
 F. Wang, H. Suh, S.L. Lee, J.E. Rosen
- Poster 209 *Thyroid Cancer* *Translational*
 TUMOR-ASSOCIATED MACROPHAGE ACCUMULATION CORRELATES WITH PREDICTORS OF CLINICAL
 PROGNOSIS IN PAPILLARY THYROID CARCINOMA
 T.E. Angell, M.G. Lechner, A. Correa, R. Sevell, J.S. LoPresti, A.L. Epstein
- Poster 210 *Thyroid Cancer* *Translational*
 LONG-TERM CONTROL AND FUNCTIONAL OUTCOMES OF SURGERY FOR THYROID CANCERS INVADING THE
 AERODIGESTIVE TRACT
 Z.L. Milas, N. Bhaat, D. Roberts, G. Clayman
- Poster 211 *Thyroid Cancer* *Clinical*
 ARE THE PATHOLOGICAL FEATURES AND BRAF STATUS OF MICRO AND MACRO PAPILLARY THYROID
 CARCINOMA DIFFERENT?
 C.A. Madorin, J. Nowak, T.A. Moo-Young, D.J. Winchester, R. Blockil, A. Reiher, R.A. Prinz
- Poster 212 *Thyroid Cancer* *Clinical*
 COMPARISON OF TWO DIFFERENT I-131 DOSES IN PAPILLARY THYROID CANCER PATIENTS WITHOUT DISTANT
 METASTASIS ACCORDING TO PREABLATIVE THYROGLOBULIN
 H. Song, S. Cho, S. Kang, J. Kim, H. Park, S. Kwon, J. Min, H. Bom

- Poster 213 *Thyroid Cancer* *Clinical*
ROUTINE AUTOTRANSPLANTATION OF INFERIOR PARATHYROIDS IN CENTRAL NECK DISSECTION OF
PAPILLARY THYROID CARCINOMA (PN1) IS BETTER FOR THE PREVENTION OF PERMANENT
HYPOPARATHYROIDISM AND REDUCTION OF CENTRAL NECK LYMPH NODE RECURRENCE
T. Wei, Z. Li, R. Chen, Y. Gong, Z. Du, R. Gong, J. Zhu
- Poster 214 *Thyroid Cancer* *Clinical*
CAN PRE-OP BRAF ASSESSMENT, ALTER SURGICAL APPROACH IN A MEANINGFUL WAY?
K.E. Hands
- Poster 215 *Thyroid Cancer* *Clinical*
MANAGEMENT OF PATIENTS WITH DETECTABLE THYROGLOBULIN AND NEGATIVE IODINE SCAN: A SURVEY OF
ATA MEMBERS
R.C. Smallridge, N.N. Diehl, V.J. Bernet
- Poster 216 *Thyroid Cancer* *Clinical*
HURTHLE CELL CARCINOMA - A CLINICAL CHARACTERIZATION OF 188 CASES
A. Chindris, V.J. Bernet, J.D. Casler, I.D. Hay, M. Rivera, C. Thomas, S.A. Westphal, R.C. Smallridge
- Poster 217 *Thyroid Cancer* *Clinical*
CORRELATION BETWEEN BODY MASS INDEX AND HYPERCHOLESTEROLEMIA FOLLOWING THYROID HORMONE
WITHDRAWAL IN THYROIDECTOMIZED PATIENTS
D. Shin, K. Kim, Y. Cho, K. Park, S. Hwang, E. Lee
- Poster 218 *Thyroid Cancer* *Clinical*
DIFFERENTIATED THYROID CANCER WITH NODAL METASTATIC DISEASE: COMPARISON OF RECOMBINANT
HUMAN THYROID STIMULATING HORMONE VERSUS THYROID HORMONE WITHDRAWAL PROTOCOLS FOR
PREPARATION OF RADIOACTIVE IODINE TREATMENT
R. Wolfson, I. Rachinsky, S. Van Uum
- Poster 219 *Thyroid Cancer* *Clinical*
THE PAX8/PPAR γ MUTATION FOUND IN FNA PREDICTS ENCAPSULATED FOLLICULAR VARIANT PAPILLARY
THYROID CARCINOMA, NOT FOLLICULAR CARCINOMA
M. Armstrong, H. Yang, L. Yip, S.P. Hodak, K.L. McCoy, M.T. Stang, S.E. Carty, Y.E. Nikiforov
- Poster 220 *Thyroid Cancer* *Clinical*
POST-SURGICAL SERIAL STIMULATED THYROGLOBULIN IN LOW-RISK PAPILLARY THYROID CARCINOMA
PATIENTS NOT RECEIVING RADIOIODINE REMNANT ABLATION
L. Kashat, S. Orlov, J. Assi, J.K. Cheng, F. Salari, P. Walfish
- Poster 221 *Thyroid Development* *Clinical*
DO GENDER AND RACE MATTER IN RATE OF RECURRENT LARYNGEAL NERVE BRANCHING?
T.E. Fontenot, P.L. Friedlander, H.M. Masoodi, I. Musa Yola, E. Kandil
- Poster 223 *Thyroid Cancer* *Clinical*
ENDOSCOPIC THYROIDECTOMY IS SAFE IN PATIENTS WITH A HIGH BODY MASS INDEX
W.S. Duke, J.R. White, J.L. Waller, D.J. Terris
- Poster 224 *Thyroid Cancer* *Clinical*
PREOPERATIVE CONTRAST ENHANCED COMPUTERIZED TOMOGRAPHY (CECT) DOES NOT RESULT IN LONG-
TERM IODINE RETENTION AFTER TOTAL THYROIDECTOMY
A. Mishra, P.K. Pradhan, S. Gambhir, S. Mayilvaganan, A. Gupta, S. Babu
- Poster 225 *Thyroid Cancer* *Clinical*
COMPARATIVE ANALYSIS OF FOLLICULAR (FTC) AND PAPILLARY THYROID CARCINOMA (PTC) SPINAL
METASTASES
Y. Kushchayeva, S. Kushchayev, N. Carroll, E. Felger, K.D. Burman, L. Boyle
- Poster 226 *Thyroid Cancer* *Clinical*
PRACTICE PATTERNS AMONG THYROID CANCER SURGEONS IN ALBERTA: IMPLICATIONS OF PERFORMING
CENTRAL NECK DISSECTION
M. Deutschmann, L. Chin-Lenn, J. Au, A. Brilz, S. Nakoneshny, J. Dort, J. Pasieka, S. Chandarana

- Poster 227 *Thyroid Cancer* *Clinical*
 EFFICACY AND TOLERABILITY OF VEMURAFENIB IN BRAFV600E POSITIVE PAPILLARY THYROID CANCER (PTC)
 R. Dadu, K. Shah, S.G. Waguespack, S.I. Sherman, M.A. Habra, N. Busaidy, C. Jimenez, A. Ying, M.I. Hu, M.E. Cabanillas
- Poster 228 *Thyroid Cancer* *Clinical*
 CORRELATION BETWEEN SIZE OF DOMINANT NODULE AND SENTINEL LYMPH NODE BIOPSY OUTCOME IN WELL-DIFFERENTIATED THYROID CARCINOMA
 L. Benamira, V. Forest, Y. Jozaghi, A. Mlynarek, M. Hier, A. Florea, M. Tamilya, R.J. Payne
- Poster 229 *Thyroid Cancer* *Clinical*
 THE IMPACT OF THYROIDITIS ON INTRAOPERATIVE DIAGNOSIS USING FROZEN BIOPSY
 E. Kim, S. Cho, J. Sung, I. Chung, K. Lee, Y. Youn
- Poster 230 *Thyroid Cancer* *Clinical*
 THEORETICAL ANALYSIS ON THE POTENTIAL COST SAVINGS OF USING RHODIOLA ROSEA TO SUPPORT THYROID CANCER PATIENTS DURING REPLACEMENT HORMONE WITHDRAWAL
 H.H. Abdel Nabi
- Poster 231 *Thyroid Cancer* *Clinical*
 ANAPLASTIC THYROID CANCER: THE PHILIPPINE GENERAL HOSPITAL EXPERIENCE
 T. Lo, C. Jimeno, E. Paz-Pacheco
- Poster 232 *Thyroid Cancer* *Clinical*
 NEUTROPHIL-TO-LYMPHOCYTE RATIO(NLR) IN PAPILLARY THYROID CARCINOMA
 J. Cho, Y. Lee, T. Sung, J. Yoon, K. Chung, S. Hong
- Poster 233 *Thyroid Cancer* *Clinical*
 RECURRENT INVASIVE PAPILLARY THYROID CANCER AND ITS MANAGEMENT: COMBINED THERAPY OF SALVAGE PHARYNGOLARYNGECTOMY, INTRAOPERATIVE RADIATION THERAPY AND PHOTODYNAMIC THERAPY
 T. Tomemori, T. Mitsuhashi, R. Watanabe, H. Sugisaki
- Poster 234 *Thyroid Cancer* *Clinical*
 LATE METASTASIS OF SMALL-CELL LUNG CANCER TO THE THYROID GLAND
 T. Mitsuhashi, T. Tomemori, R. Watanabe, H. Sugisaki
- Poster 235 *Thyroid Development* *Clinical*
 A COMPREHENSIVE REFINING ASSOCIATION STUDY OF PTPN22 LINKAGE DISEQUILIBRIUM BLOCK FOR GRAVES' DISEASE IN CHINESE HAN POPULATION
 D. Kang
- Poster 236 *Thyroid Hormone Action* *Basic*
 EFFECTS OF THYROID HORMONES T3 AND T4 ON MESENCHYMAL STEM CELL DIFFERENTIATION
 A.M. Müller, K.A. Schmohl, K. Knoop, N. Schwenk, G. Gruenwald, A. Wechselberger, P.J. Nelson, C. Spitzweg
- Poster 237 *Thyroid Hormone Action* *Basic*
 TRIIODOTHYRONINE (T3) PREVENTS ACQUISITION OF THE NEUROENDOCRINE PHENOTYPE INDUCED BY β -ADRENERGIC ACTIVATION IN AN IN VITRO MODEL OF PROSTATE CANCER
 E. Delgado, C. Aceves, B. Anguiano
- Poster 238 *Thyroid Hormone Action* *Basic*
 3,5-DIIODOTHYRONINE SERUM LEVELS IN A GENERAL HEALTHY POPULATION: DESCRIPTIVE AND CORRELATIONAL STUDY
 M. Pietzner, G. Homuth, I. Lehmpful, N. Friedrich, C. Schurmann, H. Völzke, U. Völker, M. Nauck, J. Köhrle, H. Wallaschofski
- Poster 239 *Thyroid Hormone Action* *Clinical*
 SYSTEMATIC REVIEW OF SUBCLINICAL THYROID DYSFUNCTION AND THE RISK FOR FRACTURE
 Z. Yan, J. Li, H. Huang

- Poster 240 *Thyroid Hormone Metabolism & Regulation* *Basic*
 ROLE OF β -ARRESTIN 1 IN TSH-INDUCED CHANGES IN BONE-SPECIFIC GENE EXPRESSION
 A. Boutin, S. Neumann, E. Eliseeva, M.C. Gershengorn
- Poster 241 *Thyroid Hormone Metabolism & Regulation* *Basic*
 THYROID HORMONE REDUCES BLOOD GLUCOSE AND IMPROVES INSULIN SENSITIVITY IN DIABETIC RATS
 S.S. Teixeira, A. Panveloski-Costa, A. Carvalho, F.P. Schiavon, A.R. Marques, R.B. Bazotte, M. Nunes
- Poster 242 *Thyroid Hormone Metabolism & Regulation* *Clinical*
 CHARACTERISTICS OF AGRANULOCYTOSIS AS AN ADVERSE EFFECT OF ANTITHYROID DRUGS IN THE SECOND OR LATER COURSE OF TREATMENT
 S. Kobayashi, J.Y. Noh, K. Mukasa, Y. Kunii, N. Watanabe, H. Ohye, M. Matsumoto, M. Suzuki, A. Yoshihara, K. Iwaku, T. Kameda, N. Suzuki, S. Nagataki, K. Ito
- Poster 243 *Thyroid Hormone Metabolism & Regulation* *Clinical*
 PREDICTORS OF RECURRENCE OF GRAVES' DISEASE AFTER MEDICAL TREATMENT
 M. Matsumoto, J. Yoshimura Noh, K. Mukasa, N. Watanabe, Y. Kunii, M. Suzuki, A. Yoshihara, H. Ohye, S. Kobayashi, K. Iwaku, T. Kameda, N. Suzuki, S. Nagataki, K. Ito
- Poster 244 *Thyroid Imaging* *Basic*
 3-DIMENSIONAL MICRO-COMPUTED TOMOGRAPHY (CT) OF THYROID TISSUE WITH SYNCHROTRON RADIATION
 S.H. Park, J.G. Bong, Y.J. Jeong, K. Kim, H.T. Kim, J.Y. Huang
- Poster 245 *Thyroid Imaging* *Clinical*
 RADIOFREQUENCY ABLATION (RFA) AND PERCUTANEOUS LASER ABLATION (PLA) IN THE TREATMENT OF THYROID NODULES UNDER ULTRASOUND(US) GUIDANCE: PRELIMINARY EVALUATION
 G. Turtulici, A. Corazza, L. Camerieri, F. Nosenzo, R. Sartoris, E. Silvestri
- Poster 246 *Thyroid Imaging* *Clinical*
 VIRTUALLY-TRACKED US-GUIDED RADIOFREQUENCY ABLATION OF BENIGN THYROID NODULES: PRELIMINARY EVALUATION
 G. Turtulici, R. Sartoris, A. Corazza, A. Arcidiacono, S. Perugin Bernardi, E. Silvestri
- Poster 247 *Thyroid Imaging* *Clinical*
 CAN IT BE PREDICTED ADHESION BETWEEN RECURRENT LARYNGEAL NERVE AND THYROID CANCER THROUGH PREOPERATIVE ULTRASONOGRAPHY?
 Y. Lee, J. Cho, T. Sung, J. Yoon, K. Chung, S. Hong
- Poster 248 *Thyroid Nodules & Goiter* *Clinical*
 ASSESSMENT OF THE THYROID GLAND IN PATIENTS WITH ACROMEGALY
 M.A. Aponte, F. Ablan, I. Stulin
- Poster 249 *Thyroid Nodules & Goiter* *Clinical*
 PREVALENCE OF BENIGN THYROID NODULES IN FAMILIAL ADENOMATOUS POLYPOSIS: RESULTS OF A PROSPECTIVE SCREENING PROGRAM
 X. Feng, M. Milas, M. O'Malley, L. LaGuardia, C. Burke, M. Kalady, J. Shin, J. Church, A.E. Siperstein
- Poster 250 *Thyroid Nodules & Goiter* *Clinical*
 REDUCING INSUFFICIENCY IN THYROID BIOPSIES: IMPROVING THE DIAGNOSTIC VALUE OF A GOLD STANDARD, A NOVEL INTEGRATED SPECTROSCOPY SYRINGE
 J.E. Rosen, N.J. Giordano, O.M. A'Amar, I.J. Bigio, S.L. Lee
- Poster 251 *Thyroid Nodules & Goiter* *Clinical*
 A NOVEL APPROACH TO IDENTIFY OCCULT AUTONOMOUS FUNCTIONING THYROID AREAS: THE INDIVIDUALLY TAILORED THYROXINE DOSE
 M. Santaguida, L. Bianchi, C. Virili, S. Del Duca, M. Cellini, N. Brusca, L. Gargano, M. Centanni
- Poster 252 *Thyroid Nodules & Goiter* *Clinical*
 PITFALLS IN INDETERMINATE CYTOPATHOLOGY OF "THYROID" NODULES
 L.A. Bischoff, J. Curry, S. Jabbour, E. Pribitkin, J.L. Miller

- Poster 253 *Autoimmunity* *Case Report*
 THYROID ASSOCIATED OPHTHALMOPATHY WITH OCULAR MYASTHENIA AS THE PRESENTING FEATURE OF
 PRIMARY HYPOTHYROIDISM
 I. Maisnam, D. Dutta, S. Mukhopadhyay, S. Chowdhury
- Poster 254 *Disorders of Thyroid Function* *Case Report*
 THERE MAY BE MORE NUMBERS OF PATIENTS WITH PAINLESS SUBACUTE (GIANT CELL) THYROIDITIS
 T. Michigishi, K. Yokoyama, S. Tsuji, T. Tsukatani, H. Takeda, S. Kinuya, Y. Mizukami, Y. Imamura
- Poster 255 *Disorders of Thyroid Function* *Case Report*
 AN UNUSUAL CASE OF HYPOKALEMIC PERIODIC PARALYSIS SECONDARY TO THYROTOXICOSIS
 R.L. Dubin, G.L. Cosentino, R.J. Richards
- Poster 256 *Thyroid Cancer* *Case Report*
 METASTATIC FOLLICULAR THYROID CARCINOMA SECRETING THYROID HORMONE AND RADIOIODINE AVID
 WITHOUT STIMULATION
 A. Abid, B. Stack, A. Riggs, D. Bodenmer
- Poster 257 *Thyroid Cancer* *Case Report*
 MARINE-LENHART SYNDROME WITH A MALIGNANT HYPERFUNCTIONING NODULE - A RARE PRESENTATION OF
 A RARE SYNDROME
 V. Balakrishnan, A. Angamuthu, C. Veloski
- Poster 258 *Thyroid Cancer* *Case Report*
 PARAGANGLIOMA OF THE THYROID GLAND: A CASE REPORT
 S. Kaplan, K.J. Furlong, D. Rosen
- Poster 259 *Thyroid Hormone Action* *Case Report*
 CASE REPORT: CARDIOMYOPATHY, EMBOLIC STROKE AND ATRIAL FIBRILLATION ASSOCIATED WITH
 EXOGENOUS LIOTHYRONINE
 A. Abraham, S. Ebner
- Poster 260 *Thyroid Nodules & Goiter* *Case Report*
 EXTRAMEDULLARY PLASMACYTOMA OF THE THYROID DIAGNOSED WITH ULTRASOUND-GUIDED CORE
 NEEDLE BIOPSY
 R. McKenney, J.C. Jaume
- Short Call Poster 14 *Thyroid Cancer* *Translational*
 RNA SEQUENCING IDENTIFIES MULTIPLE FUSION TRANSCRIPTS AND ALTERED EXPRESSION OF IMMUNE
 FUNCTION GENES IN BRAF (V600E) MUTANT VS. BRAF WILD-TYPE PAPILLARY THYROID CARCINOMA
 R.C. Smallridge, A. Chindris, Y.W. Asmann, J.D. Casler, D.J. Serie, H.V. Reddi, K.W. Cradic, M. Rivera, S.K. Grebe, B. Necela, N.
 Eberhardt, J. Carr, B. Mciver, J.A. Copland, E.A. Thompson
- Short Call Poster 15 *Thyroid Cancer* *Basic*
 TARGETING FOCAL ADHESION KINASE (FAK) ACTIVITY IN THYROID CANCER
 B.E. Bowers, V. Sharma, Q. Zhou, X. Jing, Xia, L.A. Pike, A.A. Kerege, R.E. Schweppe

11:30 a.m. – 12:30 p.m.

Meet the Professor Workshops

(Pre-registered selections available with mailing badge)

**Clinical: Congenital Hypothyroidism: Management of Mild Cases and
 Discovery of Novel Genetic Causes**

*Guy Van Vliet/ Nadia
 Schoenmakers*

**Clinical: Controversies in Perioperative Management: Outpatient
 Thyroidectomy and Calcium Management**

*Maise Shindo/ Michael
 Yeh*

Clinical: Risk Stratification of Thyroid Cancer Patients

*R. Michael Tuttle/ John
 Ridge*

Basic: Thyroid Hormone Regulation of Cholesterol and Liver Metabolism

*Kevin Phillips/ Koshi
 Hashimoto*

Translational: Biorepositories and Electronic Registries for Clinical Research

*Robert Smallridge/
Michael Roehrl*

12:30 p.m. – 1:25 p.m.

Poster Review and Lunch on your Own

12:30 p.m. – 1:25 p.m.

ATA Trainees' Corner Review with Lunch
(Open to all trainees – lunch ticket required for meal)

Regina Castro

1:00 p.m. – 3:00 p.m.

ATA Alliance for Patient Education Public Forum
(Open to the general public and all meeting attendees)

Sponsored by the ATA Alliance members: American Thyroid Association, Graves' Disease and Thyroid Foundation, Light of Life Foundation, ThyCa: Thyroid Cancer Survivors' Association, Inc., Thyroid Cancer Canada and Thyroid Federation International

1:30 p.m.

Exhibit Hall Closes

1:30 p.m. – 2:15 p.m.

Paul Starr Award Lecture: Thyroid Autoimmunity at 60: Where Next?
Introduction: *Graham Williams*

Anthony Weetman

In recognition of an outstanding contributor to clinical thyroidology

Supported by an educational grant from Dr. Boris Catz

2:20 p.m. – 3:20 p.m.

Basic/Translational Oral Abstract Session

Chairs: Sissy Jhiang and Yuri Nikiforov

Oral 179 *Thyroid Cancer* *Basic*
COMBINED MAP KINASE AND SRC INHIBITION RESULTS IN ENHANCED ANTI-TUMOR EFFECTS IN PAPILLARY AND ANAPLASTIC THYROID CANCER
T.C. Beadnell, B. Bowers, C. Chan, X. Jing, L.A. Pike, J. Tentler, J. Kim, A. Tan, R.E. Schweppe

Oral 180 *Thyroid Cancer* *Translational*
PAZOPANIB RESISTANCE INDUCED BY IN VITRO SELECTION OF BHP2-7 PAPILLARY THYROID CANCER CELLS IS ASSOCIATED WITH ACQUIRED KRAS MUTATION AND MORE AGGRESSIVE IN VIVO PHENOTYPE
C.R. Isham, B.C. Netzel, A.R. Bossou, D. Milosevic, K.W. Cradic, S.K. Grebe, K.C. Bible

Oral 181 *Thyroid Cancer* *Basic*
THE SONIC HEDGEHOG SIGNALING PATHWAY ENHANCES THE INVASIVENESS OF THYROID TUMOR CELLS BY THE ACTIVATION OF AKT AND C-MET: POTENTIALLY PROMOTING THYROID TUMOR STEM CELL SELF-RENEWAL
A.J. Williamson, K. Heiden, R.A. Prinz, X. Xu

Oral 182 *Thyroid Hormone Action* *Basic*
THYROID HORMONE DRIVING LARVAL CELLS MAD: THE ROLE OF C-MYC GENE FAMILY IN THYROID HORMONE-DEPENDENT INTESTINAL STEM CELL DEVELOPMENT
T.C. Miller, J. Chiu, L. Fu, Y. Shi

2:20 p.m. – 3:20 p.m.

Clinical Oral Abstract Session

Chairs: Angela Leung and Michael McDermott

Oral 183 *Disorders of Thyroid Function* *Clinical*
METHIMAZOLE AND PROPYLTHIOURACIL EXPOSURE IN EARLY PREGNANCY ARE BOTH ASSOCIATED WITH AN INCREASED RISK OF BIRTH DEFECTS, BUT THE SPECTRUM OF MALFORMATIONS DIFFERS. A DANISH NATIONWIDE STUDY OF 817,093 CHILDREN
S.L. Andersen, J. Olsen, C.S. Wu, P. Laurberg

Oral 184 *Disorders of Thyroid Function* *Clinical*
MATERNAL PERCHLORATE LEVELS DURING PREGNANCY AND OFFSPRING COGNITIVE
DEVELOPMENT: DATA FROM THE CONTROLLED ANTENATAL THYROID SCREENING
STUDY (CATS)
P. Taylor, O.E. Okosieme, S. Channon, P. Smyth, C.M. Dayan, L.E. Braverman, J. Lazarus, E.N.
Pearce

Oral 185 *Disorders of Thyroid Function* *Clinical*
WEIGHT CHANGE AFTER TREATMENT OF HYPOTHYROIDISM
S.Y. Lee, L.E. Braverman, E.N. Pearce

Oral 186 *Thyroid Hormone Metabolism & Regulation* *Clinical*
THYROID HORMONE CIRCADIAN AND CIRCANNUAL VARIATION IN 475,000
OUTPATIENTS
J. Ehrenkranz, P.R. Bach, S. Benvenga

2:20 p.m. – 3:20 p.m. **ATA Basic Trainees' Track: Finding Your Funding – From Federal
to Foundations** (Open to all trainees) *Thomas Scanlan
Kristen Vella*

2:20 p.m. – 3:20 p.m. **ATA Clinical Trainees' Track: How to Communicate About the Thyroid**
(Open to all trainees)

Surgeon *Gerard Doherty*
Pathologist *Sylvia Asa*
Endocrinologist *Andrew Gianoukakis*

3:25 p.m. – 4:40 p.m. **Clinical: Molecular Diagnostic Testing of Thyroid Nodules: Decision
Making for the Clinician**
Chairs: Eren Berber and Emad Kandil

Decision Making for the Surgeon *Ralph Tufano*
Decision Making for the Endocrinologist *Susan Mandel/ Bryan
McIver*

3:25 p.m. – 4:40 p.m. **Basic: Importance of Regulated Tissue Thyroid Hormone Availability**
Chair: Anita Boelen

Local Control of Thyroid Hormone Availability Regulates Cell Proliferation *Domenico Salvatore*
Local Control of Thyroid Hormone Availability Regulates Cardiac Tissue *Antonio Bianco*
Repair
Local Control of Thyroid Hormone Availability Regulates Bone Maintenance *J.H. Duncan Bassett*

4:40 p.m. – 4:55 p.m. **Coffee Break**

4:55 p.m. – 6:10 p.m. **Symposium: Early Stages of Thyroid Autoimmunity**
Chair: Rebecca Bahn

Exposure to Environmental Factors *Peter Laurberg*
Interaction Between Genes and Environment *Yaron Tomer*
Immune Response Markers in Serum Prior to the Occurrence of Thyroid
Antibodies *Marjan Versnel*

83rd Annual Meeting of the American Thyroid Association
Sunday, October 20, 2013



7:30 a.m. – 8:30 a.m. **Continental Breakfast**

8:00 a.m. – 11:30 a.m. **Registration Open**

8:00 a.m. – 9:15 a.m. **An Update on Novel Therapies for Advanced Thyroid Cancer: When to Start and What to Use**
Chair: Mimi Hu

Overview of Drugs Approved, in Trial and in the Pipeline for Differentiated Thyroid Cancer *Marcia Brose*

Overview of Drugs Approved, in Trial and in the Pipeline for Medullary Thyroid Cancer *Matthew Ringel*

Case Discussions *Ann Gramza*

9:30 a.m. – 11:00 a.m. **Thyroid Cancer Tumor Board Session**
Moderator: Gregory Randolph

Endocrinology *David Sarne*
Surgery *Barbra Miller*
Nuclear Medicine *Douglas van Nostrand*
Oncology *Manisha Shah*
Pathology *Sylvia Asa*

11:00 a.m. **83rd Annual Meeting of the ATA Ends**