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)
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 ICCIDD Symposium: Iodine  
Chair: Elizabeth Pearce
Iodine Status of Europe 2013  
John Lazarus
Coordinating Sodium Reduction and Salt Iodization Programs  
Eduardo Pretell
Iodine Deficiency and Child Cognition in the United Kingdom  
Margaret Rayman
8:05 a.m. – 8:10 a.m.  Welcome and Announcements  
Bryan R. Haugen, John C. Morris, Ronald Koenig and Julie Ann Sosa
8:10 a.m. – 8:55 a.m.  Plenary Lecture: The Application of Integrative Sequencing for Precision Oncology  
Introduction: Ronald Koenig
9:00 a.m. – 10:00 a.m.  Highlighted Oral Abstract Session (4 total)  
 Chairs: Ronald Koenig and Julie Ann Sosa
Highlighted Oral 1  
Thyroid Hormone Metabolism & Regulation  Basic  
THE ROLE OF NCOR AND SMRT IN THYROID HORMONE ACTION AND METABOLIC DISEASE  
Highlighted Oral 2  
Thyroid Hormone Metabolism & Regulation  Basic  
BOTH SKELETAL MYOCYTES AND ADIPOCYTES EXPRESS THE TYPE 2 DEIODINASE WITHIN SKELETAL MUSCLE  
J.S. Werneck-de-Castro, T. Fonseca, D.L. Ignacio, G. Fernandes, M. Baldanza, I.F. Rangel, G. Balazs, M.F. Miranda, C. Andrade, A. Bianco
Highlighted Oral 3  
Autoimmunity  Clinical  
RANDOMIZED DOUBLE-BLIND PLACEBO-CONTROLLED TRIAL OF RITUXIMAB FOR TREATMENT OF GRAVES’ OPHTHALMOPATHY  
M.N. Stan, J.A. Garrity, P. Thapa, E.A. Bradley, R.S. Bahn
Highlighted Oral 4  
Thyroid Cancer  Clinical  
CORRELATIVE ANALYSES OF RET AND RAS MUTATIONS IN A PHASE 3 STUDY OF CABOZANTINIB IN PATIENTS (PTS) WITH PROGRESSIVE, METASTATIC MEDULLARY THYROID CANCER (MTC)  
9:00 a.m. – 12:00 p.m.  ATA Clinical Trainees’ Track: Thyroid Ultrasound Course  
(Open to Clinical Trainees’ Grant participants only, space limited)
Introduction to Thyroid Ultrasound  
Andrew Gianoukakis
Advanced Thyroid Ultrasound  
Stephanie Fish
Thyroid Cytology  
Nicole Massoll
Practicum  
Jennifer Sipos, Andrew Gianoukakis, James Hennessey, Megan Haymart, Joshua Klopper, Victor Bernet, Jacqueline Kung and Stephanie Fish
10:00 a.m. – 4:30 p.m.  Exhibit Hall Open
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, J. 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, I.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  

**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
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

ELEVATED GENETIC INSTABILITY IS ASSOCIATED WITH REPRESSED DNA REPAIR GENE EXPRESSION IN A BI-TANGENIC MURINE MODEL OF PTG AND PBF

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

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

EFFECTS OF ACTIVATED ESTROGEN RECEPTORS ON ACQUIRED BRAF INHIBITOR RESISTANCE IN PAPILLARY THYROID CANCER (PTC)
B.P. Danysh, M.E. Cabanillas, M. Hofmann

ANALYTICAL AND CLINICAL PERFORMANCES OF THE NEW SENSITIVE THYROGLOBULIN KRYPTOR IMMUNOASSAY

A DIFFERENTIAL RESPONSE TO CIGARETTE SMOKING BY HUMAN THYROID CANCER AND LUNG CANCER CELLS
O.P. Soldin, C. Fei, X. Liu, T.M. Buckey, B.V. Kallakury

OVERALL SURVIVAL IS REDUCED IN PATIENTS WITH DETECTABLE CIRCULATING TUMOR CELLS FROM METASTATIC MEDULLARY THYROID CANCER

CHRONIC LYMPHOCYTIC THYROIDITIS (CTL) HAS A POSITIVE PROGNOSTIC VALUE IN PAPILLARY THYROID CANCER (PTC) PATIENTS: THE POTENTIAL KEY ROLE OF FOXP3+ T LYMPHOCYTES

THE FUNCTIONAL ROLES OF TUMOR CELL FOXP3 AND ITS CORRELATION WITH PPARγ IN THYROID CANCER
G.G. Chen, R. Chu, A.C. Vlantis, S. Liu, E.K. Ng, C. van Hasselt

ANALYSIS OF P53 AND IMMUNE CELLS EXPRESSION MAY IDENTIFY LESS AGGRESSIVE THYROID TUMORS

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

A NOMOGRAM TO PREDICT DISEASE SPECIFIC SURVIVAL FOLLOWING INITIAL THERAPY FOR WELL DIFFERENTIATED THYROID CANCER
Poster 44 **Thyroid Cancer**  
**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**  
**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**  
**FEMALE PAPILLARY THYROID CANCER ALMOST DOUBLED OVER A 10-YEAR PERIOD - A POPULATION-BASED STUDY OF 716 PATIENTS**  
P. Bümmming, K.A. Gunnarsdottir, E. Holmberg, S. Jansson

Poster 47 **Thyroid Cancer**  
**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**  
**FAMILIAL AND HEREDITARY NON-MEDULLARY THYROID CARCINOMA (FAHNTOM) STUDY: PROTOCOL AND PRELIMINARY RESULTS**  

Poster 49 **Thyroid Cancer**  
**NODULE SIZE DECREASE THE SENSITIVITY OF FINE NEEDLE ASPIRATION BIOPSY**  

Poster 50 **Thyroid Cancer**  
**COMPARISON OF THYROID CONSEQUENCES OF THE NUCLEAR REACTOR ACCIDENT BETWEEN FUKUSHIMA AND CHERNOBYL**  
S. Nagataki

Poster 51 **Thyroid Cancer**  
**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**  
**ARE ALL THYROID ULTRASOUND EVALUATIONS CREATED EQUAL? SONOGRAPHERS SPECIALIZED IN THYROID CANCER CORRECTLY LABEL CLINICAL N0 DISEASE IN WELL DIFFERENTIATED THYROID CANCER**  
S. Olffmann, D.F. Schneider, R.S. Sippel, H. Chen

Poster 53 **Thyroid Cancer**  
**PREOPERATIVE NECK ULTRASOUND (US) IN CLINICAL NODE NEGATIVE WELL DIFFERENTIATED THYROID CANCER (WDTC) IMPROVES RESPONSE TO THERAPY**  

Poster 54 **Thyroid Cancer**  
**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 55 **Thyroid Cancer**  
**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 56 **Thyroid Cancer**  
**INTRAOPERATIVE FROZEN SECTION MAY REDUCE THE NEED FOR REOPERATIVE THYROID SURGERY IN PATIENTS WITH FOLLICULAR NEOPLASM**  
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

THYROID LOBECTOMY FOR TREATMENT OF WELL DIFFERENTIATED THYROID CANCER CONFINED TO ONE LOBE
S. Lee, Y. Kim, S. Park, K. Kim

THYROID PATHOLOGY CONSULTATION SERVICE: KUWAIT EXPERIENCE
N. Al-Brahim

HUMAN RECOMBINANT TSH IN THE TREATMENT OF PAPILLARY THYROID CANCER: INITIAL EXPERIENCE IN MEXICO
S. Miracle, M.L. Hurtado-Lopez

UNUSUAL PRESENTATION OF FOLLICULAR CARCINOMA OF THYROID
N. Tirumalasetty, S. Dipp, B. Panunti

PUSHING THE LIMITS OF OUTPATIENT THYROID SURGERY

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

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

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

MATERNAL GRAVES’ DISEASE AND NEONATAL DEVELOPMENTAL HIP DYSPLASIA
K. Cox, A. Stagnaro-Green

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

EFFECT OF BARIATRIC SURGERY ON LEVOTHYROXINE (LT4) REPLACEMENT IN HYPOTHYROIDISM
A. Tessnow, N. Puzziferri

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

ELEVATED TSH LEVELS IN THE ELDERLY: SHOULD WE BE CONCERNED?
C. Melvin, J. Eng, O.P. Soldin
CHANGES IN THE THYROID ULTRASONOGRAPHIC FINDINGS OF CHILDREN LIVING IN THE KANTO AREA AFTER THE FUKUSHIMA DAIICHI NUCLEAR POWER PLANT ACCIDENT


ULTRASOUND TRAINING AND USAGE AMONG ENDOCRINE SURGEONS

P. J. Mazzaglia, M. Milas

CLASSIFICATION OF BRAF V600E STATUS USING HIGH-DIMENSIONAL RNA EXPRESSION DATA


MODE OF THYROID NODULE DISCOVERY AND RISK OF MALIGNANCY

K. Truong, M. Lupo

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

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

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

NON-FUNCTIONING PARATHYROID CYST PRESENTING AS GOITER WITH DYSPHAGIA

R. R. Pai, A. Kieth Cryar

AN UNUSUAL CASE OF PRETIBIAL MYXEDEMA FOLLOWING LONG-TERM TREATMENT OF GRAVES’ DISEASE

M. Chertman, R. R. Assaf

STORMY ENCOUNTER WITH PARTIAL HYDATIDIFORM MOLE. A CASE REPORT

S. T. Sarapuddin, J. R. Barrera

ULTIMOBRANCHIAL BODY REMNANT TUMOR: AN UNUSUAL THYROID NEOPLASM MIMICKING PAPILLARY THYROID CARCINOMA

O. Mete, L. Rotstein, S. L. Asa

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

A CASE REPORT OF AGGRESSIVE DIFFERENTIATED PAPILLARY THYROID CANCER TREATED WITH COMBINATION CHEMOTHERAPY

D. Ponnusamy, G. Chune

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  
**Thyroid Hormone Action**  
A NEW FAMILY WITH THYROID HORMONE RESISTANCE  
J. Maletkovic, C.H. Darwin  

Case Report

Poster 89  
**Thyroid Nodules & Goiter**  
CERVICAL SCHWANNOMA MASQUERADING AS A THYROID NODULE  
S. Nagavalli, T. Jirajariyavej, J. Lee, L. McPhaul, L. Barajas, A.G. Gianoukakis  

Case Report

Short Call Poster 7  
**Thyroid Hormone Metabolism & Regulation**  
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  

Basic

Short Call Poster 8  
**Thyroid Cancer**  
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  

Clinical

Short Call Poster 9  
**Thyroid Cancer**  
TERT PROMOTER MUTATIONS IN THYROID CANCER  
X. Liu, S. Qu, H. Guan, H. Yu, H. Sun, W. Teng, Z. Shan, M. Xing  

Clinical

Short Call Poster 10  
**Thyroid Cancer**  
A NOVEL METHOD FOR NONINVASIVE DETECTION OF ANAPLASTIC THYROID CARCINOMA IN AN ORTHOTOPIC MOUSE MODEL USING BIOLUMINESCENT THYROSHERES IN VIVO  
A. Reeb, W. Li, R. Lin  

Translational

Short Call Poster 13  
**Thyroid Cancer**  
AFIRMA GEC AND THE HURTHLE CELL: A SURGICAL VIEW  
R.M. Harrell, D.N. Bimston  

Clinical

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)

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.  
**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)  
*Richard T. Kloos, Anagh Vora*

1:00 p.m. – 1:45 p.m.  
**Sidney H. Inghar Award Lecture: PAX8-PPARgamma Fusion Protein in Thyroid Cancer**  
*Introduction: P. Reed Larsen*  
*Ronald Koenig*

1:50 p.m. – 3:20 p.m.  
**Basic/Translational Oral Abstract Session**  
*Chairs: Honey Reddi and Antonio Di Cristofano*

**Oral 5**  
Iodine Uptake & Metabolism  
**Oral 6**  
Thyroid Cancer  
**Oral 7**  
Thyroid Cancer  
**Oral 8**  
Thyroid Development  
**Oral 9**  
Thyroid Hormone Action  
**Oral 10**  
Thyroid Hormone Action

**Translational**  
**SYSTEMIC EPIDERMAL GROWTH FACTOR RECEPTOR TARGETED SODIUMIODIDE SYMPORTER (NIS) GENE THERAPY IN A GENETICALLY ENGINEERED MOUSE MODEL OF PANCREATIC DUCTAL ADENOCARCINOMA**  

**Basic**  
HUMAN ANAPLASTIC THYROID CARCINOMA CELL LINES ARE SENSITIVE TO LYSIS BY NK CELLS CORRELATING WITH HIGH EXPRESSION OF THE NKG2D LIGAND UL16 Binding Protein 2 ON TUMOR CELLS  

**Translational**  
ROLE OF MIR-145 IN THYROID CANCER GROWTH, METASTASIS, AND DIAGNOSIS  
M. Boufraqech, L. Zhang, M. Jain, D. Patel, R. Ellis, Y. Xiong, M. He, N. Nilubol, M. Merino, E. Kebebew  

**Basic**  
THYROID TRANSPLANTATION USING EMBRYONIC STEM CELLS  
R. Ma, R. Latif, T.F. Davies  

**Basic**  
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  

**Basic**  
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

1:50 p.m. – 3:20 p.m.  
**Clinical Oral Abstract Session**  
*Chairs: Emad Kandil and Natifa Busaidy*

**Oral 11**  
Autoimmunity  
**Oral 12**  
Autoimmunity  
**Clinical**  
THYROID PEROXIDASE ANTIBODY-PREVALENCE AND PRETERM DELIVERY RATE IN DANISH PREGNANT WOMEN BEFORE, DURING, AND AFTER NATIONAL IODINE IMPLEMENTATION - A COMPARATIVE COHORT STUDY  

**Clinical**  
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
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

Oral 16  Thyroid Nodules & Goiter  Clinical
MULTICENTER CLINICAL EXPERIENCE WITH THE AFIRMA GENE EXPRESSION CLASSIFIER

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

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
Jaroslaw Jendrzejewski
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

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

Poster 116  Thyroid Cancer  Basic
THIOREDOXIN INTERACTING PROTEIN (TXNIP): A TUMOR SUPPRESSOR IN THYROID CANCER?

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

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. Lee, 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

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

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
Thyroid Cancer

EXTENT OF LYMPH NODE METASTASIS AND APPROACH TO PARATHYROID GLAND MANAGEMENT PREDICT RISK OF HYPOCALCEMIA IN PEDIATRIC PAPILLARY THYROID CANCER

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

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

IS BLACK THYROID A RISK FACTOR FOR MALIGNANCY?
Y. Ibrahim, M.A. Murcy, B. Crawford, H.M. Masoodi, P.L. Friedlander, E. Kandil

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

THYROID CANCER IN ASSOCIATION WITH HASHIMOTO'S THYROIDITIS
M.A. Murcy, S.H. Mohamed, S. Tassaduq, P.L. Friedlander, H.M. Masoodi, E. Kandil

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

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

UNDERSTANDING BARRIERS TO CARE AND KNOWLEDGE OF DISEASE IN HISPANIC PATIENTS WITH THYROID CANCER: A FOCUS GROUP APPROACH

THYROID BED NODULES ON ULTRASONOGRAPHY AFTER TOTAL THYROIDECTOMY
C. Choudhary, K.D. Burma

IMPACT OF FINE NEEDLE ASPIRATE BRAF MUTATIONS ON SURGICAL DECISION-MAKING IN A VETERAN POPULATION
M. Sawicki, M.B. Wang, M. Lewis

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

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. Garmanda, 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  

Poster 157  
**Thyroid Imaging**  
**Clinical**  
COMPUTERIZED QUANTIFICATION OF ULTRASOUND HETEROGENEITY IN THYROID NODULES  

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  
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. Benvenga

Poster 163  Thyroid Nodules & Goiter  Clinical
DIAGNOSING INDETERMINATE THYROID NODULES WITH ESS: IN VIVO MEASUREMENT IMPROVES DIAGNOSTIC VALUE OF FINE-NEEDLE ASPIRATION BIOPSY

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-Ramirez, 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  
**Thyroid Cancer**  
Case Report  
HOT MALIGNANCY  
R. Gaba, N. Ramaswami

Poster 174  
**Thyroid Cancer**  
Case Report  
DOES INTERFERON BETA 1A (IFNβ 1A) TREATMENT FOR MULTIPLE SCLEROSIS ALTER THE IMMUNE MICROENVIRONMENT OF PAPILLARY THYROID CANCER (PTC)?  
S. Thida, S. Imam, R. McKenney, J.C. Jaume

Poster 175  
**Thyroid Hormone Action**  
Case Report  
HYPERTHYROIDISM-INDUCED HEART BLOCK: A CASE SERIES IN THE PHILIPPINE GENERAL HOSPITAL  
A.I. Aguilar, M.S. Sandoval

Poster 176  
**Thyroid Cancer**  
Case Report  
NEGLECTED EXOPHYTIC ULCERATING PAPILLARY THYROID CANCER  
H.C. Urbanozo, L.T. Acampado

Poster 177  
**Thyroid Nodules & Goiter**  
Case Report  
UNIQUE OCCURRENCE AND COURSE OF GRANIS’ DISEASE IN A PATIENT WITH PTEN HAMARTOMA TUMOR SYNDROME  
V.D. Tarasova, N.N. Nahar, N.E. Dietz, R.R. Recker, R.J. Anderson

Poster 178  
**Disorders of Thyroid Function**  
Case Report  
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

Short Call Poster 11  
**Thyroid Hormone Action**  
Translational  
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

Short Call Poster 12  
**Iodine Uptake & Metabolism**  
Clinical  
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

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  
R. Michael Tuttle and Ian Hay  
Surgery  
David L. Steward

11:15 a.m. – 12:30 p.m.  
**Arthur Bauman Clinical Symposium: Every Day Ethical Dilemmas for Thyroid Practitioners**  
Chair: Loren Wisner Greene  
Ethical Issues in Robotic Transaxillary Thyroidectomy  
Peter Angelos  
Ethical Challenges with Tyrosine Kinase Inhibitors for Thyroid Cancer: Costs, Therapeutic Benefits, and Distributive Justice  
Keith Bible  
The Limits of Autonomy in Thyroid Disease Management  
M. Sara Rosenthal

11:15 a.m. – 12:30 p.m.  
**Basic: Thyroid Hormone and Neurobiology**  
Chair: Frédéric Flamant  
T3 and Neural Stem Cell Commitment  
Barbara Demeneix  
T3/TRα1 in Hypothalamic Development and Cardiovascular Function  
Bjorn Vennstrom  
Visual/Hearing System Development  
Douglas Forrest
12:10 p.m. – 1:30 p.m.  | **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)  
| **General**  
| Mark Lupo  
| **Nuclear Medicine**  
| J. Woody Sistrunk  
| **Ultrasound**  
| Robert Levine

12:30 p.m. – 1:25 p.m.  | **Poster Review and Lunch on your Own**

12:30 p.m. – 1:25 p.m.  | **ATA Basic Trainees’ Track Lunch Session: Taking the Next Step – To Postdoc and Beyond**  
| (Open to all trainees – lunch ticket required for meal)  
| Honey Reddi  
| David Sharlin

12:30 p.m. – 1:25 p.m.  | **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)  
| Hari A. Deshpande

1:30 p.m. – 2:15 p.m.  | **Lewis E. Braverman Award Lecture: Enhancing Iodide Transport in Thyroid & Breast Cancer**  
| *Introduction: Susan Mandel*

2:20 p.m. – 3:20 p.m.  | **Meet the Professor Workshops**  
| (Pre-registered selections available with mailing badge)  
| **Clinical: Duration of Anti-Thyroid Drug Treatment in Graves’ Disease: Children vs. Adults**  
| Juliane Leger/ David Cooper  
| **Clinical: Thyroid Cancer in Pregnancy**  
| Erik Alexander/ Sanziana Roman  
| **Clinical: Management of Thyroid Disease in the Elderly**  
| Kristien Boelaert/ Linwah Yip  
| **Basic: The Sodium Iodide Symporter in Non-Thyroid Cancer**  
| Jamila Faivre/ John Morris  
| **Translational: The Nonthyroidal Illness Syndrome: Clinical Management and Basic Mechanisms**  
| Virginia Sarapura/ Anita Boelen

3:25 p.m. – 3:50 p.m.  | **Clark T. Sawin Historical Vignette**  
| *Italian Thyroidology – Renaissance to Pinchera*  
| Dedicated to the memory of Aldo Pinchera  
| *Introduction: Lewis Braverman*

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.

3:50 p.m. – 4:20 p.m.  | **Poster Review Session and Break in the Exhibit Hall**

4:20 p.m. – 5:05 p.m.  | **Research Grants Symposium**  
| *Chair: Christine Spitzweg*

Targeting BRAFV600E with an Orally Available Selective Inhibitor in Novel *in vitro and in vivo* Preclinical Models of Human Papillary Thyroid Cancer  
| *Carmelo Nucera*

Elucidating the in vivo Mechanisms by which Thyroid Hormone Regulates Energy Expenditure  
| *Inna Astapova*

The Role of the Translocator Protein (TSPO) in the Thyroid Cancer Response to the Treatment  
| *Joanna Klubo-Gwiedzinska*
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  

**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  

**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. Stojiljkovic, 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  

**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)  

**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. Lehtio, A. Hoog

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

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 2013 Awardee: Peter Singer
In recognition and honor of a member who has made important and continuing contributions to the Association.

Presentation of the John B. Stanbury Thyroid Pathophysiology Medal 2013 Awardee: Theo Visser
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.
83rd Annual Meeting of the American Thyroid Association  
Saturday, October 19, 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: Ongoing Controversies in the Surgical Management of Thyroid Cancer  
Moderator: Gerard Doherty

Is Prophylactic Central Neck Dissection Indicated for Papillary Thyroid Cancer? 
Sara Pai

What are the Indications for Lateral Neck Dissection? 
Brendan Stack

How Should Microcarcinomas beHandled in the Operating Room? 
Elizabeth Grubbs

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. 
Plenary Lecture: Embryonic Stem Cell Differentiation into a Functioning Thyroid Gland  
Introduction: Douglas Forrest

8:55 a.m. – 9:00 a.m. 
Announcements

Program Chairs Ronald Koenig and Julie Ann Sosa

9:00 a.m. – 10:30 a.m. 
Short Call Oral Abstracts  
Chairs: R. Michael Tuttle and Rebecca Schwepep

Short Call Oral 1  
Thyroid Hormone Metabolism & Regulation  
Basic  
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  
Thyroid Cancer  
Basic  
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  
Thyroid Cancer  
Translational  
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  
Disorders of Thyroid Function  
Translational  
CHILDREN BORN TO WOMEN WITH HYPOTHYROIDISM DURING PREGNANCY SHOW ABNORMAL CORPUS CALLOSUM DEVELOPMENT  
A. Samadi, J. Skocic, J. Rovet

Short Call Oral 5  
Thyroid Cancer  
Clinical  
TSH SUPPRESSION INCREASES THE RISK OF OSTEOPOROSIS WITHOUT CHANGING RECURRENCE IN NON-HIGH RISK PATIENTS WITH THYROID CARCINOMA  

Short Call Oral 6  
Thyroid Cancer  
Clinical  
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) Peter Singer and David Cooper

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) Jennifer Lawrence
Private Practice
Academic (Clinical)
Industry
Elizabeth Pearce
Jim Magner

10:30 a.m. – 11:30 a.m. Poster Review Session and Break in the Exhibit Hall

Poster 187 Autoimmunity Basic
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 Autoimmunity Clinical
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 Autoimmunity Clinical
VITAMIN D AND AUTOIMMUNE THYROID DISEASE (AT): PRELIMINARY RESULTS
P. De Remigis, L. Vianale, A. De Remigis, G. Napolitano

Poster 190 Disorders of Thyroid Function Clinical
A PILOT STUDY: SUBCLINICAL HYPOTHYROIDISM AND FREE THYROID HORMONE MEASUREMENT BY IMMUNOASSAY AND MASS SPECTROMETRY
V. Gounden, J. Jonklaas, S.J. Soldin

Poster 191 Disorders of Thyroid Function Clinical
FAILURE OF RADIOACTIVE IODINE IN TREATMENT OF HYPERTHYROIDISM

Poster 192 Disorders of Thyroid Function Clinical
SUBCLINICAL HYPOTHYROIDISM IS ASSOCIATED WITH HIGHER CORONARY ARTERY CALCIFICATION
M. Vaisman

Poster 193 Disorders of Thyroid Function Clinical
FACTORS AFFECTING OUTCOMES AFTER ELECTIVE THYROIDECTOMY FOR BENIGN THYROID DISORDERS
A. Cardenas, E. Ong, M. Guerrero

Poster 194 Disorders of Thyroid Function Clinical
COMPARISON BETWEEN TOTAL THYROIDECTOMY AND SUBTOTAL THYROIDECTOMY IN GRAVES’ DISEASE

Poster 195 Disorders of Thyroid Function Clinical
HEPATOTOXICITY AND CUTANEOUS REACTIONS AFTER ANTITHYROID DRUGS ADMINISTERED DURING PREGNANCY

Poster 196 Disorders of Thyroid Function Clinical
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 Disorders of Thyroid Function Clinical
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. Schwegge

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. Muroto, 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  

Poster 208  
**Thyroid Cancer**  
**Translational**  
MICRORNA7 IS BOTH A BIOMARKER AND A MODULATOR OF GENE EXPRESSION CHANGES IN HUMAN PAPILLARY THYROID CARCINOMA  
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/PPARγ 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

Poster 221  Thyroid Cancer  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 222  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 223  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 224  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 225  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**  
Efficacy and tolerability of vemurafenib in BRAFV600E positive papillary thyroid cancer (PTC)  

Poster 228  
**Thyroid Cancer**  
Correlation between size of dominant nodule and sentinel lymph node biopsy outcome in well-differentiated thyroid carcinoma  

Poster 229  
**Thyroid Cancer**  
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**  
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**  
Anaplastic thyroid cancer: the Philippine general hospital experience  
T. Lo, C. Jimeno, E. Paz-Pacheco

Poster 232  
**Thyroid Cancer**  
Neutrophil-to-lymphocyte ratio (NLR) in papillary thyroid carcinoma  

Poster 233  
**Thyroid Cancer**  
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**  
Late metastasis of small-cell lung cancer to the thyroid grand  
T. Mitsuhashi, T. Tomemori, R. Watanabe, H. Sugisaki

Poster 235  
**Thyroid Development**  
A comprehensive refining association study of PTPN22 linkage disequilibrium block for Graves' disease in Chinese Han population  
D. Kang

Poster 236  
**Thyroid Hormone Action**  
Effects of thyroid hormones T3 and T4 on mesenchymal stem cell differentiation  

Poster 237  
**Thyroid Hormone Action**  
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**  
3,5-Diiodothyronine serum levels in a general healthy population: descriptive and correlational study  

Poster 239  
**Thyroid Hormone Action**  
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

Poster 243  Thyroid Hormone Metabolism & Regulation  Clinical
PREDICTORS OF RECURRENT OF GRAVES’ DISEASE AFTER MEDICAL TREATMENT

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?

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
THYROID ASSOCIATED OPHTHALMOPATHY WITH OCULAR MYASTHENIA AS THE PRESENTING FEATURE OF PRIMARY HYPOTHYROIDISM
I. Maisnam, D. Dutta, S. Mukhopadhyay, S. Chowdhury

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

AN UNUSUAL CASE OF HYPOKALEMIC PERIODIC PARALYSIS SECONDARY TO THYROTOXICOSIS
R.L. Dubin, G.L. Cosentino, R.J. Richards

METASTATIC FOLLICULAR THYROID CARCINOMA SECRETING THYROID HORMONE AND RADIOIODINE AVID WITHOUT STIMULATION
A. Abid, B. Stack, A. Riggs, D. Bodenner

MARINE-LENHART SYNDROME WITH A MALIGNANT HYPERFUNCTIONING NODULE - A RARE PRESENTATION OF A RARE SYNDROME
V. Balakrishnan, A. Angamuthu, C. Veloski

PARAGANGLIOMA OF THE THYROID GLAND: A CASE REPORT
S. Kaplan, K.J. Furlong, D. Rosen

CASE REPORT: CARDIOMYOPATHY, EMBOLIC STROKE AND ATRIAL FIBRILLATION ASSOCIATED WITH EXOGENOUS LIOTHYRONINE
A. Abraham, S. Ebner

EXTRAMEDULLARY PLASMACYTOMA OF THE THYROID DIAGNOSED WITH ULTRASOUND-GUIDED CORE NEEDLE BIOPSY
R. McKenney, J.C. Jaume

RNA SEQUENCING IDENTIFIES MULTIPLE FUSION TRANSCRIPTS AND ALTERED EXPRESSION OF IMMUNE FUNCTION GENES IN BRAF (V600E) MUTANT VS. BRAF WILD-TYPE PAPILLARY THYROID CARCINOMA

TARGETING FOCAL ADHESION KINASE (FAK) ACTIVITY IN THYROID CANCER

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?**  
Anthony Weetman

Introduction: Graham Williams

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


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


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
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

WEIGHT CHANGE AFTER TREATMENT OF HYPOTHYROIDISM
S.Y. Lee, L.E. Braverman, E.N. Pearce

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 Repair
Antonio Bianco
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