

3<sup>rd</sup> ANNUAL

Miami

Thyroid Oncology Symposium

February 15-16, 2019

## Symposium Overview

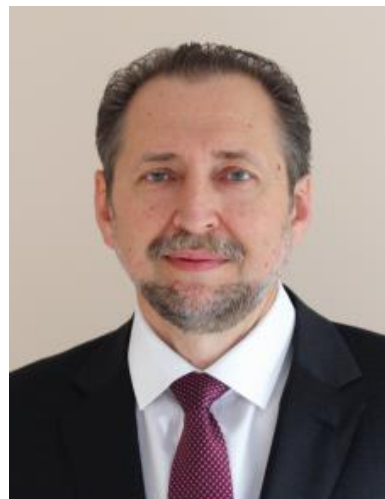
We have entered in a personalized medicine paradigm with molecular theranostics. We are defining cancer oncobiology based on genomic and epigenomic expressions. A clinical catalogue for genetic alterations associated with thyroid cancer has been created using next generation sequencing and bioinformatics. The approach to clinical issues, thus, has moved beyond conventional diagnostics and therapeutic interventions. The risk stratification systems based on traditional parameters are challenged, and they are gradually vacating their role to clear molecular markers. More refined classification schemes based on genomics and its phenotypic expressions are being formulated. Genomics with molecular pathology and molecular imaging reflect the true biologic nature of the different cancer types currently defined by conventional morphologic features. The tumor differentiation/de-differentiation, and clinical behavior for each individual cancer are now being defined by molecular markers, in addition to standard morpho-pathology. The technology is rapidly evolving and incorporated into daily practice. The Miami Thyroid Oncology Symposium is a leading-edge forum for advancement of the science of thyroid cancer diagnosis and treatment in this new paradigm.

The program is designed as a two-day symposium. The course on the essentials of clinical genomics on the first day in the morning will provide a strong foundation for practicing physicians to help understand the evolving role of clinical molecular testing. There will be an oral/poster abstract presentation session, followed by an expert panel discussion on the first day afternoon to provide a platform for young physicians in training and all academic and practicing physicians to present and discuss their research work and clinical experience. The plenary session, in a didactic and interactive format, will review the clinical guidelines, address the controversies and bring fresh insight to the molecular and genomic theranostics.

We are indebted to our world-renowned faculty for taking part in this exciting scientific symposium. We hope to fulfill our commitment in furthering the science of thyroid cancer towards the new frontiers.



**Seza Gulec, MD, FACS**  
**Symposium Co-Director**



**Yuri Nikiforov, MD, PhD**  
**Symposium Co-Director**

## Symposium Faculty

**Seza Gulec, MD, FACS**, Symposium Co-Director

Professor of Surgery and Nuclear Medicine, Florida International University College of Medicine  
President and Chief Executive Officer, Miami Cancer Research Center

**Yuri E. Nikiforov, MD, PhD**, Symposium Co-Director

Vice-Chair Department of Pathology, Director, Division of Molecular & Genomic Pathology  
University of Pittsburgh Medical Center, Pittsburgh, PA

**James A. Fagin MD**

Chief, Endocrinology Service, Memorial Sloan Kettering Cancer Center  
Professor of Medicine, Weill Cornell Medical College, New York, NY

**Stanley J. Goldsmith, MD**

Professor of Radiology and Nuclear Medicine  
Weill Cornell University Medical Center, New York, NY

**Bennett Greenspan, MD, FACNM**

Professor of Radiology at the Medical College of Georgia, Augusta, GA  
Immediate Past-president of Society of Nuclear Medicine and Molecular Imaging

**Bryan Haugen, MD**

Professor of Medicine & Pathology Head, Division of Endocrinology, Metabolism & Diabetes  
Mary Rossick Kern and Jerome H. Kern Chair in Endocrine Neoplasms Research  
University of Colorado, Aurora, CO

**Marina N. Nikiforova, MD**

Professor, Department of Pathology  
Director, Molecular & Genomic Pathology Laboratory,  
University of Pittsburgh Medical Center, Pittsburgh, PA

**Ashok Shaha, MD**

Jatin P. Shah Chair in Head and Neck Surgery and Oncology  
Memorial Sloan Kettering Cancer Center  
Professor of Medicine, Weill Cornell Medical College, New York, NY

**Handan Tokmak, MD**

Associate Professor of Nuclear Medicine  
Bosphorus Academy for Clinical Sciences

**Marisabel Davalos, MEd, CIP**

Executive Director, Miami Cancer Research Center, Miami, FL  
Symposium Coordinator

**Adriana Duran, MA**

Executive Director, Miami Cancer Research Center, Miami, FL  
Symposium Coordinator

**Symposium Course**  
**Molecular Biology Essentials for Practicing Physicians**  
**Friday, February 15, 2019 7:30a-12:00p**

This course will provide an overview of genetics of thyroid cancer and in-depth discussion of the ThyroSeq test. It will start with the review of basic principles of molecular biology pertinent to clinical practice. Next, the next generation sequencing (NGS) technology, its advantages and limitations, will be discussed. Detailed information on the ThyroSeq test will be provided including the new version of the test. Several clinical situations will be discussed with emphasis on the ThyroSeq report interpretation and implications for patient management. In addition, the rationale and clinical role for RAI imaging and treatment will be discussed in the context of the theranostic value of genomics and molecular profiling. At the completion of the course, the attendees will receive a certificate of completion.

- 07:30-08:00 Breakfast and opening remarks  
Y. Nikiforov [Session Chair]
- 08:00-08:45 Central dogma of molecular biology; Genetic variations in human Disease  
M. Nikiforova
- 08:45-09:15 Genetics of thyroid cancer  
Y. Nikiforov
- 09:15-09:30 Discussion
  
- 09:30-10:00 Principles of next-generation sequencing  
M. Nikiforova
- 10:00-10:45 Genomic theranostics for surgery and nuclear medicine  
S. Gulec
- 10:45: 11:30 Clinical practice: Understanding molecular diagnostic reports  
Y. Nikiforov
- 11:30-12:00 Case discussions
  
- 12:00-13:00 Lunch

**Clinical Forum**  
**Managing Thyroid Nodules and Thyroid Cancer**  
**Friday, February 15, 2019 1:00p-6:00p**

This session will include scientific paper presentation section and an expert panel discussion section. Selected clinical abstracts will be presented and discussed in 10min time frames. All accepted MTOS 2019 abstracts will be published on-line at the conference website. The expert panel will bring together a world renown multidisciplinary group of faculty addressing latest developments and controversial topics.

- 12:00-13:00 Lunch
  
- 13:00-16:00 Scientific abstract presentations  
S. Goldsmith [Session Chair]
- 16:00-18:00 Expert panel discussion: Molecular pathology and molecular imaging  
B. Greenspan [Session Chair]  
S. Goldsmith | B. Greenspan | Y. Nikiforov | M. Nikiforova | H. Tokmak

Plenary Session  
Frontiers in Thyroid Oncology  
Saturday, February 16, 2019 7:30a-6:00p

- 07:30-8:00 Breakfast, opening remarks  
S. Gulec
- 08:00-08:30 Thyroid cancer oncogenesis  
J. Fagin
- 08:30-09:00 Molecular pathology of thyroid cancer  
Y. Nikiforov
- 09:00-09:30 Next generation sequencing for molecular diagnostics  
M. Nikiforova
- 09:30-10:00 Discussion
- 10:00-10:30 Molecular diagnostics in thyroid nodules: Perspectives from ATA guidelines  
B. Haugen
- 10:30-11:00 Developing a clinical molecular test  
M. Nikiforova
- 11:00-11:30 Techniques in thyroid Surgery: How do we do  
A. Shaha
- 11:30-12:00 Discussion
- 12:00-13:00 Lunch
- 13:00-13:30 Diagnostic and prognostic value of Thyroseq  
Y. Nikiforov
- 13:30-14:00 Thyroid Surgical Oncology: The way it was, the way it is  
S. Gulec
- 14:00-14:30 Controversies in thyroid surgery: Why do we do what we do  
A. Shaha
- 14:30-15:00 Targeted therapies in thyroid cancer: Reversal of fortune  
J. Fagin
- 15:00-15:30 Discussion
- 15:30-16:00 Promise and pitfalls of immunotherapy in thyroid cancer  
B. Haugen
- 16:00-16:30 Radioactive iodine: From humble beginnings to new age  
S. Goldsmith
- 16:30-17:00 Radioactive iodine theranostics  
S. Gulec
- 17:00-18:00 Expert Panel Discussion: Clinical Practice  
H. Tokmak [Chair]  
B. Haugen | B. Greenspan | Y. Nikiforov | J. Fagin | A. Shaha | S. Gulec

## Registration

Symposium program and online registration are available at the Miami Cancer Research Center website. <http://miamicancerresearch.org>

The registration package includes the Pre-symposium Course, clinical forum session and the plenary session.

Registration fees:

Physicians and Scientists: \$250

Nurses and Allied Healthcare Professionals: \$125

Miami Thyroid Oncology Consortium Participants, ThyCa Members, Residents, Students: Free

Symposium coordinators are available for assistance at 786 879 1109



## Abstract Submission



We invite you to submit your translational research as well as your clinical experience for oral or poster presentation during the symposium. Abstracts may be selected as a Poster Presentation or an Oral Presentation. A limited number of abstracts will be selected for oral presentation. All accepted MTOS 2019 abstracts will be published on-line at the symposium website: <http://miamicancerresearch.org>

The abstracts may be in any category that relates to thyroid oncology including: Molecular Testing and Genomics, Molecular Imaging and Radioactive Iodine (RAI) theranostics, Surgical and interventional treatments, Endocrine diagnostics and management, Targeted therapies, and Immunotherapy.

Abstract submission deadline is Tuesday, January 15<sup>th</sup>, 2019. Abstracts need to be submitted as a word document attachment to [admin@miamicancerresearch.org](mailto:admin@miamicancerresearch.org) address.

Abstract format: Single page word document with title, authorship and body sections. Text font is Calibri 11 with 1.15 line spacing.

## Symposium Venue & Accommodations

The conference venue is the FIU Kovens Conference Center located at 3000 NE 151st Street North Miami, FL 33181. Kovens Conference Center is professionally well equipped. Complimentary wireless Internet access and easy parking are provided. See more at: <http://kovens.fiu.edu/>

The Marenas Beach Resort offers special conference rate for the conference attendees. Marenas Beach Resort and its beautiful Sunny Isles location embrace an inspiring mix of contemporary design with a delicate touch of international flavor. This beautiful, top-rated resort complements the symposium's scientific content with its all-encompassing Miami Beach experience. See more at: <https://www.marenasresortmiami.com/>

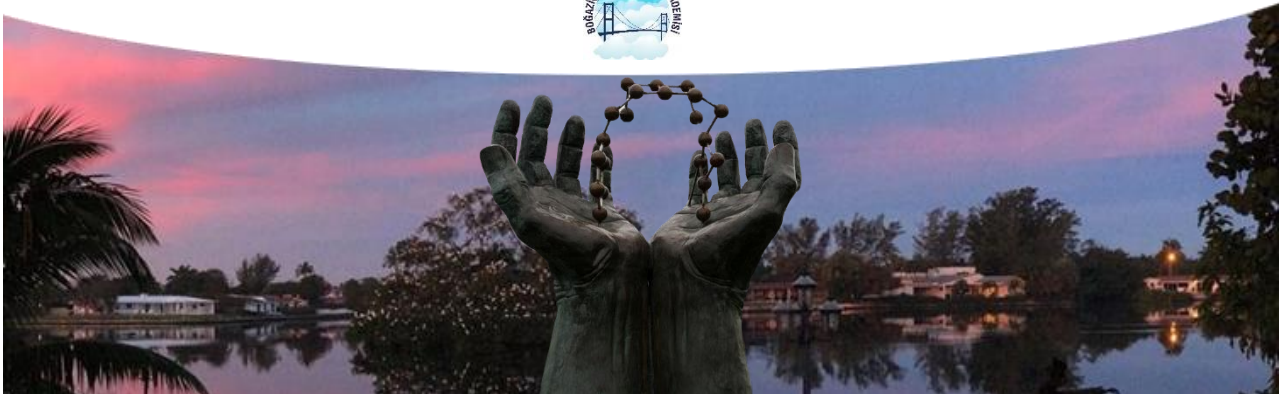


## Symposium Support



MIAMI CANCER RESEARCH CENTER

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MIAMI CANCER RESEARCH CENTER

Miami Thyroid Oncology Symposium is organized by the Miami Cancer Research Center.

Miami Cancer Research Center (MCRC) is a scientific and charitable organization that performs and supports cancer research, organizes educational events and provides support for cancer care at institutional and individual levels. The mission of the MCRC is to take part in the global fight against cancer through research, education and patient care support.

[miamicancerresearch.org](http://miamicancerresearch.org)

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Continuing Medical Education

Dade County Medical Association (DCMA) is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. DCMA designates this educational activity for a maximum Of 16 *AMA PRA Category 1 credit(s)*<sup>TM</sup>. Physicians should only claim credit commensurate with the extent of their participation in the activity.

