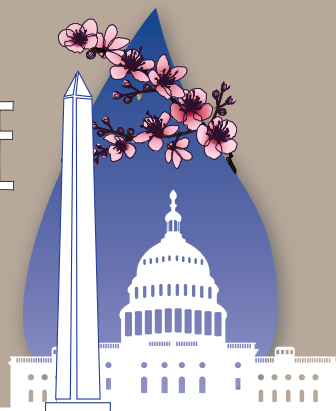


Presented by
Johns Hopkins University School of Medicine and
Jointly Provided by
National Institutes of Health

14th International Symposium on
SJÖGREN'S SYNDROME

April 18-21, 2018

**THE CAPITAL HILTON
WASHINGTON, DC**



CONFERENCE HIGHLIGHTS:

- International Expert Faculty
- Research Presentations
- Salivary Gland Ultrasonography Course

<http://tinyurl.com/ISS52018DC>

ACTIVITY DIRECTORS

Alan Baer, MD

Johns Hopkins University
School of Medicine (Rheumatology)

Esen Karamursel Akpek, MD

Johns Hopkins University
School of Medicine (Ophthalmology)

Ilias Alevizos, DMD, PhD

National Institute of Dental and Craniofacial Research,
NIH (Oral Medicine)



This activity has been approved for *AMA PRA Category 1 Credits™*.



JOHNS HOPKINS
MEDICINE

DESCRIPTION

Sjögren's Syndrome (SS) is a complex autoimmune disease with a substantial health impact. Beyond the effects on individual health, SS and its complications have an estimated annual economic impact of ~\$35 billion in the U.S. alone. It is a heterogeneous autoimmune disorder affecting >4,000,000 individuals in the U.S. Moisture-producing glands are universally targeted by the immune system, including salivary and lacrimal glands. Patients frequently develop serious complications that may include lymphoma, pulmonary dysfunction, neuropathy, and debilitating fatigue, among others. Diagnosing SS is a significant challenge and current therapies do little to interrupt pathogenic disease processes. Practitioners need to facilitate precision medicine practices in patient diagnosis, prognosis, therapeutic responses, and prevention to improve patient health outcomes and decrease morbidity.

This symposium is designed to facilitate precision medicine practices in all aspects of clinical care, including patient diagnosis, prognosis, therapeutic responses, and prevention. This pioneering conference specifically seeks to bring together leaders from the Sjögren's Syndrome and autoimmune research community to enhance translation of novel discoveries into clinical practice. Practitioners must embrace the advances and new technology to ensure their practice evolves with the field, ultimately improving patient care, quality and safety. Based on recent research, literature review, faculty perception, expert opinion and reviews from previous activity evaluation and outcome survey data, this two and one half day activity will bring together science, technology, evidence-based medicine and leaders in the field to provide updates to an international audience, narrowing the gaps in knowledge.

Participants from academia, industry, and government funding agencies are expected to attend. We expect at least a third of our attendees to be from outside the U.S., in part because the Sjögren's research community is traditionally very international in nature. Our invited speakers and abstract submissions reflect this international composition. We believe this is especially exciting and important for enhancing international recognition for scientific leadership.

OBJECTIVES

Upon completion of this activity, the participant will demonstrate the ability to:

1. Outline current advances in the development of biomarkers for Sjögren's diagnosis and patient stratification, identification of genetic markers, and characterization of specific disease manifestations.
2. Recognize quality of life issues for patients with Sjögren's syndrome.
3. Describe the current clinical practice for the treatment of Sjögren's syndrome.
4. Compare and contrast several outcome measures for clinical trials in Sjögren's syndrome.
5. Evaluate the process of translating laboratory research into clinical trials for patients with Sjögren's syndrome.

WHO SHOULD ATTEND

This activity is intended for rheumatologists, ophthalmologists, oral medicine specialists, basic sciences researchers and other healthcare providers interested in Sjögren's Syndrome and related disease states.

ACCREDITATION STATEMENT

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Johns Hopkins University School of Medicine and the National Institutes of Health. The Johns Hopkins University School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.



CREDIT DESIGNATION STATEMENT

The Johns Hopkins University School of Medicine designates this live activity general session for a maximum of 21.50 *AMA PRA Category 1 Credits™* and optional workshop for a maximum of 3.25 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

OTHER CREDITS

This continuing education activity has been planned and implemented in accordance with the standards of the **ADA Continuing Education Recognition Program (ADA CERP)** through joint efforts between NIDCR and the Johns Hopkins University Office of Continuing Medical Education. NIDCR is an ADA CERP Recognized Provider. ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry. NIDCR designates this activity for 21.5 continuing education credits.

American Nurses Credentialing Center (ANCC) accepts *AMA PRA Category 1 Credit™* from organizations accredited by the ACCME.

American Academy of Nurse Practitioners National Certification Program accepts *AMA PRA Category 1 Credit™* from organizations accredited by the ACCME.

American Academy of Physician Assistants (AAPA) accepts certificates of participation for educational activities certified for *AMA PRA Category 1 Credit™* from organizations accredited by ACCME. Physician assistants may receive a maximum of 21.50 AAPA Category 1 CME credits for completing this program.

MOC STATEMENT

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 21.50 MOC points in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.



POLICY ON SPEAKER AND PROVIDER DISCLOSURE

It is the policy of the Johns Hopkins University School of Medicine that the speaker and provider globally disclose conflicts of interest. The Johns Hopkins University School of Medicine OCME has established policies in place that will identify and resolve all conflicts of interest prior to this educational activity. Detailed disclosure will be made in the instructional materials.

GENERAL INFORMATION

LOCATION

The Capital Hilton
1001 16th Street, NW
Washington, DC 20036

Toll Free: (800) 445-8667
(202) 393-1000

Abstract Information

<https://sss2018.wixsite.com/sss2018>

<http://www3.hilton.com/en/hotels/district-of-columbia/capital-hilton-DCASHHH/index.html>

Capital Hilton's ideal central location in the heart of the nation's capital rewards guests with all that Washington, DC has to offer — near museum and memorials, theatres and art galleries, shopping, dining, nightlife, and the city's bustling business district. Walk two blocks to the White House and just a bit further to the National Mall, or easily get around town by MetroRail, with three Metro stations located two blocks from the hotel, serving the orange, blue, silver and red lines. After a full day's agenda, retreat to Capital Hilton in a thoughtfully-blended contemporary and historic setting, with renowned service, impeccable accommodations and modern conveniences.

OVERNIGHT ACCOMMODATIONS

Hotel Reservation Cut-off Date: **March 19, 2018**

A limited block of sleeping rooms has been reserved for your convenience and will be available on a first come, first served basis.

We strongly encourage you to book your accommodations at The Capital Hilton, which is the conference headquarters hotel. The Johns Hopkins Office of CME makes every effort to secure the best rate for overnight accommodations. The rate is part of a negotiated conference package that incorporates many services. By staying at the host hotel and booking within the room block, you help us maintain current conference benefits and keep future registration fees reasonable. Please consider this when making your overnight accommodations decision.

Reservation Link: <https://aws.passkey.com/go/JHUApril2018>

TRAVEL INFORMATION

By Air: Washington DC is served by three major airports: Baltimore/Washington International Airport (BWI) (40 miles) in Maryland; Washington Dulles International Airport (IAD) (47 miles) and Ronald Reagan National Airport (DCA) (17 miles) in Northern Virginia. Taxi or Uber service is recommended for traveling to the hotel from the airport. Super Shuttle charges nominal a fee one way and reservations are needed. Reservations can be made online at <http://www.supershuttle.com/> or call (410) 859-3427.

By Rail: DC is easily accessible by train. Amtrak trains run 24 hours a day, seven days a week. Union Station in DC is a major stop for Amtrak's high-speed Acela Express service. Call 800-USA-RAIL or visit www.amtrak.com for further information.

Parking is available at the hotel for an additional fee.

THINGS TO SEE AND DO IN WASHINGTON, DC

<https://washington.org/things-to-washington-dc>



TO REGISTER OR FOR FURTHER INFORMATION

Register Online: <http://tinyurl.com/ISSS2018DC>
Register by Phone (410) 502-9636
Register by Fax (866) 510-7088
Confirmation/Certificates/Transcripts (410) 502-9636
General Information (410) 955-2959
E-mail the Office of CME cmenet@jhmi.edu
Follow us on Twitter: <http://twitter.com/HopkinsCME>
Facebook: <http://www.facebook.com/HopkinsCME>



Check out our mobile app CloudCME.

Organization Code: HopkinsCME

For website and CloudCME mobile app technical difficulties, email: cmtechsupport@jhmi.edu

For general information, please visit the activity webpage at

<http://tinyurl.com/ISSS2018DC>

FEES

Methods of Payment: We require full payment prior to the start of the activity. On-site payments by credit card only. The registration fee includes instructional materials, continental breakfasts, refreshment breaks and lunches.

	Standard/Late after 3/31/18
Registration	\$ 725/825
Student/PhD/Trainee/Resident*/Fellow*/Allied Health Professional.....	\$ 550/600
RN/NP/PA	\$ 550/600
Patient.....	\$ 550/600
Optional Ultrasound Workshop (limited).....	\$150
*with verification of status	

You will receive a confirmation by e-mail. If you have not received it by April 12, 2018, call (410) 502-9636 to confirm that you are registered. A transcript of attendance will be available upon attestation of your credit hours and submission of the post activity online evaluation.

The Johns Hopkins University reserves the right to cancel or postpone any activity due to unforeseen circumstances. In this event, the University will refund the registration fee but is not responsible for travel expenses. Additionally, we reserve the right to change the venue to a comparable venue. Under such circumstances registrants will be notified as soon as possible.

LATE FEE AND REFUND POLICY

A \$50 late fee applies to registrations received after 5:00 p.m. ET on April 12, 2018. A handling fee of \$50 will be deducted for cancellation. An additional fee may apply for cancellation of other events, including workshops and social activities. Refund requests must be received by fax or mail by April 12, 2018. No refunds will be made thereafter. Transfer of registration to another Johns Hopkins activity in lieu of cancellation is not possible.

SYLLABUS

The syllabus will be accessible online and via your mobile device in the CloudCME App prior to the activity.

SOCIAL EVENT

Gala Dinner and Dance • Friday, April 20, 2018 • 6:30 – 10:30 p.m. • Cost: \$100 per person

DECATUR HOUSE

748 Jackson Place NW • Washington, DC 20006

<https://www.whitehousehistory.org/decatour-house>

Historic Decatur House is one of the oldest surviving homes in Washington, DC, and one of only three remaining houses in the country designed by neoclassical architect Benjamin Henry Latrobe. Completed in 1818 for naval hero Stephen Decatur and his wife, Susan, the Federal Style house is prominently located across Lafayette Square from the White House. It was successively home to Henry Clay, Martin Van Buren and Edward Livingston, who collectively made Decatur House the unofficial residence of the Secretary of State from 1827 to 1833, each renting the house while they served in that post.

In 1836, John Gadsby and his wife Providence moved into the house and brought their house slaves. They built a two-story structure at the back which became the slave quarters for those workers, who previously lived in the main house. This structure remains as one of the few examples of slave quarters in urban areas. It is physical evidence of African Americans having been held “in bondage” in sight of the White House.

The Decatur House is a short, 7-minute walk from the Capital Hilton. Just go south on 16th Street NW for two blocks, turn right on H Street NW and the Decatur House will be on your right.

HOW TO OBTAIN CREDIT

Post activity, an online evaluation will be available to attendees to evaluate the activity and individual presentations and to identify future educational needs. Upon completion of the evaluation, the learner must attest to the number of hours in attendance. Credits earned will be added to the learner’s transcript and immediately available for print. The last day to access the evaluation and attest to your credits is **June 5, 2018**.

An outcome survey will be sent to all physician attendees within two months post activity to assist us in determining what impact this activity had on the learner’s practice.

EMERGENCY CALLS

On April 18 – 21, 2018, direct emergency calls to (202) 393-1000 and ask that a message be sent to the Johns Hopkins registration desk. Messages will be posted for participants.

AMERICANS WITH DISABILITIES ACT

The Johns Hopkins University School of Medicine fully complies with the legal requirements of the ADA and the rules and regulations thereof. Please notify us if you have any special needs.



ISSS 2018: SJÖGREN'S SYNDROME · PATHS TO PRECISION DIAGNOSIS AND THERAPY SYMPOSIUM SCHEDULE

WEDNESDAY, APRIL 18, 2018

10:00 am — 6:00 pm Registration

OPTIONAL LIMITED ULTRASONOGRAPHY WORKSHOP (PRE-REGISTRATION REQUIRED)

Ultrasonography of the major salivary glands has emerged as an important technique for the evaluation of individuals with Sjögren's syndrome. The structural abnormalities of the glands, elucidated with bedside ultrasonography, have a high degree of specificity for disease diagnosis and can be monitored as a parameter of glandular disease in clinical trials. This 4-hour course will feature key investigators who have pioneered and validated this imaging technique in Sjögren's syndrome. The goal of the workshop is to provide participants with both up-to-date information on the utility and validity of ultrasonography in Sjögren's syndrome and the opportunity to practice salivary gland ultrasonography on patient volunteers and scoring ultrasound examinations with direct faculty guidance.

WORKSHOP OBJECTIVES:

- Describe the utility of major salivary gland ultrasonography in the evaluation of patients with Sjögren's syndrome and other forms of sialadenitis.
- Perform major salivary gland ultrasonography on a patient with Sjögren's syndrome, identifying the key abnormalities.
- Score the observed abnormalities according to accepted international schema.
- Recognize the utility of ultrasonography to guide fine needle and core needle biopsies of the major salivary glands in the evaluation of enlargement and solitary masses.

SALIVARY GLAND ULTRASONOGRAPHY IN SJÖGREN'S SYNDROME: THEORY AND PRACTICE

Workshop Directors

Valérie Devauchelle-Pensec, MD, PhD (Brest, France)

Malin Jonsson, DMD, PhD (Bergen, Norway)

Joel Fradin, MD (Baltimore, USA)

Sandrine Jousse-Joulin, MD (Brest, France)

Daniel Hammenfors, MD (Bergen, Norway)

THEORY OF SALIVARY GLAND ULTRASONOGRAPHY IN SJÖGREN'S SYNDROME

12:30 — 12:40 pm

Course Objectives and Organization

Malin Jonsson (Bergen, Norway)

12:40 — 1:00 pm

Ultrasonography in Sjögren's Syndrome: Utility and Objectives

Valérie Devauchelle-Pensec (Brest, France)

1:00 — 1:30 pm

Technique and Grading of Abnormalities (Different Criteria, Atlas, and Item for Diagnosis and Item for Follow-up)

Sandrine Jousse-Joulin (Brest, France)

1:30 — 1:45 pm

Break

1:45 — 2:00 pm

Ultrasonography in Other Forms of Sialadenitis and Lymphoma (IgG4 RD, Eosinophilic Sialodochitis, Sialadenosis, Lymphoma)

Alan Baer (Baltimore, USA)

2:00 — 2:15 pm

Ultrasound-Guided Core Needle Biopsy in the Differential Diagnosis of Parotid Gland Enlargement and Nodules

Joel Fradin (Baltimore, USA)

2:15 — 2:30 pm

Can Elastography Revolutionize Salivary Gland Ultrasonography in Sjögren's Syndrome?

Benedikt Hofauer (Munich, Germany)

2:30 — 2:40 pm

Salivary Gland Ultrasonography in Juvenile Sjögren's Syndrome

Daniel Hammenfors (Bergen, Norway)

2:40 — 3:00 pm

Refreshment Break

PRACTICAL ASPECTS OF SALIVARY GLAND ULTRASONOGRAPHY: TECHNIQUE AND SCORING

Activity 1

Salivary Gland Ultrasonography: Technique

Objectives:

- Obtaining good position of the probe.
- Identifying the parotid and submandibular gland.
- Identifying major vessels.
- Identifying lymph nodes.

Instructors:

Konstantina Delli
Francesco Ferro
Joel Fradin
Daniel Hammenfors
Alojzija Hocevar
Benedikt Hofauer

Sandrine Jousse-Joulin
Nicoletta Luciano
Vera Milic
Esther Mossel
Jolien van Nimwegen

Activity 2

Ultrasound Scoring: Practical Aspects

Prerequisite: Participants will need to bring a laptop. Study materials will be provided on thumb drive.

Objectives:

- Grading of abnormalities using the atlas.
- Identify echogenicity, homogeneity, hyperechoic bands, assessing if the gland represents SS-like changes or not.

Each group of 5-8 participants will work on 10-20 cases/glands (parotid and submandibular), and discuss and write down their assessment

Instructor:

Valérie Devauchelle-Pensec
Malin Jonsson

3:00 — 3:45 pm

Group A (50 registrants)

Group B (50 registrants)

3:45 — 4:25 pm

Group B

Group A

4:25 — 4:30 pm

Issuance of CME Certificates

WEDNESDAY, APRIL 18, 2018

5:30 pm **Welcome and Introduction**
Alan Baer (Baltimore, USA), Ilias Alevizos (Baltimore, USA), Esen Akpek (Baltimore, USA)

The Perspective of Those Affected by Sjögren's Syndrome

5:45 pm **Patient Panel**
5:55 pm **Burden of Sjögren's Syndrome**
Steven Taylor (Bethesda, USA)

Keynote Talks

6:00 pm **Remembrances of Normal Talal, Rolf Manthorpe, and Susumu Sugai; Henrik Sjögren: The Man Behind the Syndrome**
Roland Jonsson (Bergen, Norway)
6:20 pm **Keynote Speaker**
Precision Medicine in Sjögren's Syndrome and Other Autoimmune Diseases
Antony Rosen (Baltimore, USA)
7:15 pm **Welcome Reception**

THURSDAY, APRIL 19, 2018

7:00 am Registration and Continental Breakfast
7:00 am **NECESSITY Workshop (invitation only)**
Xavier Mariette (Paris, France)

Plenary: Definition And Epidemiology Of Sjögren's Syndrome

8:00 am **The Future of Classification Criteria in Sjögren's Syndrome**
Hal Scofield (Oklahoma City, USA)
8:20 am **The Sjögren's Phenotype: Lessons Learned from the SICCA Registry**
Caroline Shiboski (San Francisco, USA)
8:40 am **Salivary Gland Histopathology: International Consensus on Biopsy Interpretation**
Francesca Barone (Birmingham, UK)
9:00 am **Definition of Disease Subsets in Sjögren's Syndrome: Is it a Prerequisite for Precision Therapy?**
Chiara Baldini (Pisa, Italy)

Keynote Talk

9:20 am **Keynote Speaker**
Molecular Approaches to the Definition of Disease Subsets in Sjögren's Syndrome
Jacques-Olivier Pers (Brest, France)
10:00 am Coffee Break and Poster Session A Viewing

Concurrent Session A: Novel Insights

10:45 am **Abstract: Plasmablasts Producing Inhibitory Autoantibodies Against Muscarinic Receptor 3 In Salivary Glands of Sjögren's Syndrome Patients**
Quadri/Scofield (Oklahoma City, USA)
11:00 am **Abstract: Uncharacterized X-linked Protein CKorf21 Provide Molecular Explanation for Sex-Bias in SLE**
Harris/Scofield (Oklahoma City, USA)
11:15 am **Abstract: Fatigue in Sjögren's Syndrome: A Search for Biomarkers and Treatment Targets**
Bodewes/Versnel (Rotterdam, Netherlands)
11:30 am **Abstract: Improvement in Fatigue Following a Multidisciplinary, Biopsychosocial Intervention: Data from 50 Primary Sjögren's Syndrome Patients**
Hackett/Newton (Newcastle upon Tyne, UK)
11:45 am **Abstract: A Novel Brief Questionnaire to Screen Dry Eye Patients for Sjögren's Syndrome**
Bunya/Ying (Philadelphia, USA)
12:00 pm **Abstract: Interleukin-27 Regulates the Magnitude of the Ectopic Germinal Center Response in a Virus-Induced Murine Model of Sialadenitis**
Lucchesi/Bombardieri (London, UK)

Concurrent Session B: Mechanisms of Mucosal Dryness

10:45 am **Ocular Surface Inflammation, Conjunctival Goblet Cells and Tear Film Mucin**
Sharmila Masli (Boston, USA)
11:05 am **Meibomian Gland Dysfunction in Dry Eye**
David Sullivan (Boston, USA)
11:25 am **Mucin Biology in Sjögren's Syndrome**
Maria Julieta Gonzalez (Santiago, Chile)
11:45 am **Abstract: MiR-143-3p Targets Calcium-Transporting ATPase Sarcoplasmic Reticulum Isoform 2b (SERCA2b), Ryanodine Receptor 2 (RyR2) and Adenylyl Cyclase 9 (AC9) Contributing to the Loss of Epithelial Cell Homeostasis in Sjögren's Syndrome;**
Cortes/Alevizos (Bethesda, USA)
12:00 pm **Abstract: Senescence of Salivary Gland Stem Cells in Primary Sjögren's Syndrome: The Cause of Persistent Hyposalivation?**
Pringle/Kroese (Groningen, Netherlands)

12:15 pm Buffet Lunch and Poster Session A Viewing

Plenary: Biomarker Discovery for Diagnosis and Stratification

1:30 pm **Utility of Biomarkers for Disease Stratification**
Clio Mavragani (Athens, Greece)
1:50 pm **Using Transcriptomics to Stratify Patients**
Wan-Fai Ng (Newcastle, UK)
2:10 pm **Abstract: The Novel Anti-CD40 Monoclonal Antibody CFZ533 Modulates Biomarkers Relevant to Disease and CD40 Pathways in Patients with Primary Sjögren's Syndrome**
Fisher/Rush (Birmingham, UK)
2:25 pm **Abstract: Epigenetically Quantified Immune Cells in Salivary Glands of Primary Sjögren's Syndrome: A Novel Tool that Detects Robust Correlations of Tfh Cells with Immunopathology**
Van Roon/Radstake (Utrecht, Netherlands)

2:40 pm **Abstract: Genetic Basis and Clinical Evidence for Two Variants of Primary Sjögren's Syndrome with Distinct Outcomes**
Thorlacius/Nordmark (Stockholm, Sweden)
3:00 pm Coffee Break and Poster Session A Viewing

Keynote Talk

3:30 pm **Keynote Speaker**
Diversity, Cellular Origin, and Autoreactivity of Antibody-Secreting Cell Populations in Sjögren's Syndrome and Systemic Lupus
Ignacio Sanz (Atlanta, USA)

Plenary: Oral and Ocular Manifestations of Sjögren's Syndrome

4:00 pm **Management of Salivary Hypofunction/Burning Mouth**
Michael Brennan (Charlotte, USA)

4:20 pm **Impact of Dry Eye Disease on Quality of Vision**
Shizuka Koh (Osaka, Japan)

4:40 pm **Extraglandular Ocular Manifestations of Sjögren's Syndrome**
Esen Akpek (Baltimore, USA)

5:00 pm **Abstract: Primary Sjögren's Syndrome and Non-Sjögren's Sicca Syndrome Patients; Unexpected Differences in Symptoms and Findings of Dry Eye Disease, Dry Mouth, and Oral Health-Related Quality of Life**
Tashbayev/Jensen (Oslo, Norway)

5:15 pm **Abstract: Impact of Dry Eye on Prolonged Reading**
Karakus/Akpek (Baltimore, USA)

5:30 pm **Abstract: Ultrasonography of Major Salivary Glands in Juvenile Sjögren's Syndrome: An International Multicenter Study**
Hammenfors/Jonsson (Bergen, Norway)

5:45 pm **Abstract: Correlation Between Salivary Gland Ultrasonography and Minor Salivary Gland Biopsy in the Identification of a More Severe Subset of Primary Sjögren's Syndrome**
Baldini/Donati (Pisa, Italy)

6:00 pm Adjournment

FRIDAY, APRIL 20, 2018

7:00 am Continental Breakfast

7:00 am **Harmonic SS Workshop (Open to all registrants)**
Athanasios Tzioufas (Athens, Greece), Dimitris Fotiadis and Themis Exarchos (Athens, Greece)

Plenary: Etiopathogenesis of Sjögren's Syndrome

8:30 am **Use of Genetics to Subset Sjögren's Syndrome**
Kathy Sivils (Oklahoma City, USA)

8:50 am **Systemic NLRP3 Inflammasome Activation**
Menelaos Manoussakis (Athens, Greece)

9:10 am **High Disease Activity vs. Lymphoma in Sjögren's Syndrome: How to Discriminate, Monitor and Treat**
Salvatore DeVita (Udine, Italy)

Keynote Talk

9:30 am **Keynote Speaker**
Lymphomagenesis in Sjögren's Syndrome
Michael Voulgarelis (Athens, Greece)

10:15 AM Coffee Break and Poster Session B Viewing

Concurrent Session C: Systemic Manifestations, Including Lymphoma

11:00 am **Cardiovascular Disease in Sjögren's Syndrome**
Valeria Valim (Vitoria, Spain)

11:20 am **Abstract: Infections Predispose to Developing Primary Sjögren's Syndrome**
Mofors/Wahren-Herlenius (Stockholm, Sweden)

11:35 am **Abstract: Single-cell VH and VL Ig Gene Analysis Reveal Clonal Relationship Between IgM+ Neoplastic B Cells and Plasmablasts in Sjögren's Syndrome Patients with Parotid MALT Lymphoma**
Corsiero/Bombardieri (London, UK)

11:50 am **Abstract: Low miR200b-5p Levels in Minor Salivary Glands: A Novel Independent Predictor of Lymphoma Development in Patients with Sjögren's Syndrome (SS)**
Kapsogeorgou/Tzioufas (Athens, Greece)

12:05 pm **Abstract: Hospitalization Rates Among Patients with Primary Sjögren's Syndrome: A Population-Based Study, 1995-2016**
Corney/Matteson (Rochester, USA)

12:20 pm Buffet Lunch and Poster Session B Viewing

Plenary: Outcome Measures for Clinical Trials in Sjögren's Syndrome

1:30 pm **DEBATE: ESSDAI and ESSPRI: Are they the Best Outcome Measures for Clinical Trials? (PRO)**
Xavier Mariette (Paris, France)

Concurrent Session D: Glandular Outcome Measures

11:00 am **Unmet Need for Validated Biomarkers for Dry Eye Trials**
Kelly Nichols (Birmingham, USA)

11:20 am **The Salivary Gland and Saliva as Outcome Measures**
Arjan Vissink (Groningen, Netherlands)

11:40 am **Parotid Gland Histopathology as an Outcome Measure**
Erlin Haacke (Groningen, Netherlands)

12:00 pm **Abstract: The Parotid Gland in Primary Sjögren's Syndrome: Comparison of Ultrasound, Histopathology and Saliva Production in the Diagnostic Work-up**
Mossel/Bootsma (Groningen, Netherlands)

1:50 pm	DEBATE: ESSDAI and ESSPRI: Are they the Best Outcome Measures for Clinical Trials? (CON) Daniel Wallace (Los Angeles, USA)
2:10 pm	Rebuttals, Discussion
2:30 pm	FDA Perspective Nikolai Nikolov (Rockville, Country)
2:50 pm	Industry Perspective Roberta Weiss (Rockville, Country)
3:10 pm	Panel Discussion
3:30 pm	Coffee Break and Poster Session B Viewing

Plenary: Novel Therapeutic Targets

4:00 pm	Biologic Therapy in Sjögren's Syndrome Jacques-Eric Gottenberg (Strasbourg, France)
4:20 pm	Targeting Ectopic Lymphoid Structures Michele Bombardieri (London, UK)
4:40 pm	Targeting Immune Pathways in Dry Eye Stephen Plugfelder (Houston, USA)
5:00 pm	Abstract: Targeting T-cell Trafficking in a Murine Model of Sjögren's Syndrome Nayar/Barone (Birmingham, UK)
5:15 pm	Abstract: Stromal Cells in Tertiary Lymphoid Structures: A Novel Pathogenic Paradigm and Therapeutic Target in Sjögren's Syndrome Nayar/Barone (Birmingham, UK)
5:30 pm	Adjournment
6:30 pm	Gala Dinner for Conference (Ticket Purchase Necessary)

SATURDAY, APRIL 21, 2018

7:00 am Continental Breakfast

Plenary: Clinical Trial Design and Emerging Treatments for Sjögren's Syndrome

8:00 am	Lessons Learned from Rituximab Trials Simon Bowman (Birmingham, UK)
8:20 am	Current Trials: Progress Report Hendrika Bootsma (Groningen, Netherlands)
8:40 am	Abstract: Patient and Investigator Reported Outcomes Suggest Improvements upon Treatment with the Novel Anti-CD40 Monoclonal Antibody CFZ533 in Patients with Primary Sjögren's Syndrome: A Phase IIa Double-Blind, Placebo-Controlled Randomized Trial Papas/Gergely (Boston, USA)
8:55 am	Abstract: Efficacy and Safety of Low-dose Interleukin-2 Therapy in Active Sjögren's Syndrome He/Li (Beijing, China)

Plenary: Novel Insights

9:10 am	Abstract: Decreased Levels of the Cysteine Protease inhibitor, Cystatin C, May Contribute to the Increased Activity of Cathepsin S and an Altered Protein Profile in Tears of Sjögren's Syndrome Patients Edman/Hamm-Alvarez (Los Angeles, USA)
9:25 am	Abstract: Increased mTORC1 activity in Salivary Gland B Cells and T Cells from Sjögren's Syndrome Patients: mTOR Inhibition as a Novel Therapeutic Strategy to Inhibit Immunopathology Blokland/van Roon (Utrecht, Netherlands)
9:40 am	Abstract: Multiple Functional Roles of an EBV microRNA in Sjögren's Syndrome Pathogenesis: From Alterations of Calcium Signaling to Activation of IFN Jang/Alevizos (Bethesda, USA)
9:55 am	Abstract: Identifying Outcomes Important to Patients with Sjögren's Syndrome Saldanha/Akpek (Baltimore, USA)
10:10 am	Coffee Break

Plenary: International Collaboration in Sjögren's syndrome

10:40 am	HarmonicS5 Athanasios Tzioufas (Athens, Greece)
10:55 am	NECESSITY: Collaborating in Outcome Measure and Drug Development Xavier Mariette (Paris, France)

Late-Breaking Abstracts

11:00 am	Abstract TBD
11:15 am	Abstract TBD
11:30 am	Abstract TBD
11:45 am	Wrap-Up of Conference: Lessons Learned, Future Directions Robert Fox (La Jolla, USA)
12:15 pm	Final Announcements and Acknowledgements Alan Baer (Baltimore, USA), Ilias Alevizos (Baltimore, USA), Esen Akpek (Baltimore, USA)
12:30 pm	Adjournment

ACKNOWLEDGEMENT

Applications for commercial support from health care related industries are pending. A complete list of contributors will be provided in the syllabus. Please note that commercial support received is solely for the educational component of the activity and will not be used to provide food and beverage.

Please note: The Physician Payments Sunshine Act was enacted by Congress to increase public awareness of financial relationships between drug and medical device manufacturers and physicians. In compliance with the requirements of this Act, the commercial supporter/s of this activity may require the Johns Hopkins University School of Medicine to report certain professional information (such as name, address, National Provider Identifier (NPI), and State License number) of physician attendees who receive complimentary food and beverage in conjunction with a CME activity. The commercial supporter is required to submit the collected data to the Centers for Medicare and Medicaid Services which will then publish the data on its website.

The Johns Hopkins University School of Medicine takes responsibility for the content, quality and scientific integrity of this CME activity.

This schedule is subject to change.

REGISTRATION FORM

Course Number 80040923/7139

14th International Symposium on Sjögren's Syndrome • April 18-21, 2018

TO REGISTER: Online: <http://tinyurl.com/ISSS2018DC>

Phone: (410) 502-9636 **Fax:** (866) 510-7088

Or mail this form to the Johns Hopkins University, Office of Continuing Medical Education, 720 Rutland Avenue, Turner Room 20, Baltimore, Maryland 21205-2195. Include e-check or credit card information below.

FULL PAYMENT IS REQUIRED PRIOR TO THE START OF ACTIVITY.

I am a speaker for this Johns Hopkins activity

Please type or print clearly

last name		first name		m.i.	
highest degree		primary specialty		Hopkins Faculty/Staff Only JHED ID Number:	
For Physicians Only - NPI 10 Digit#*		State License #**		State of License*	
ABIM #		Birth month		Birth day	
<input type="checkbox"/> I provide permission for my MOC completion information to be shared and transmitted to the Accreditation Council for Continuing Medical Education (ACCME).					
organization		mailing address			
city		state	ZIP + 4 code		country
daytime telephone		fax number			
e-mail (required field)					

Check here if you wish to receive e-mail notices about upcoming CME activities.

I plan to stay at The Capital Hilton in Washington, DC.

What do you hope to learn by attending this activity? _____

Please notify us if you have any special needs. _____

REGISTRATION FEES:

STANDARD/LATE
by 3/31/18 after 3/31/18

- Registration \$ 725/825
 - Student/PhD/Trainee/Resident*/Fellow*/Allied Health Professional \$ 550/600
 - RN/NP/PA \$ 550/600
 - Patient \$ 550/600
 - Ultrasonography Workshop (4/18 12:30 – 4:30 p.m.) \$150
 - Gala Dinner \$100pp x ___ = \$ _____
- *with verification of status

The registration fee includes instructional materials and food and beverage. For registrations received after 5:00 p.m. ET on April 12, 2018, include a \$50 late fee. On-site registrations are payable only by credit card.

Total amount \$ _____

PAYMENT TYPE:

JHU Faculty/Staff Only: If you are using your Tuition Remission Benefit or an ION budget, please upload your fully completed and approved form in the payment section of the online activity link above.

TR Form: <http://benefits.jhu.edu/documents/trfacandstaff.pdf>

ION Form: <http://hopkinscme.edu/migration/IonRequest.pdf>

e-Check: Routing Number _____ Account Number _____

Credit Card: VISA MASTERCARD DISCOVER AMEX

Card # _____ Exp. Date _____

Billing Zip Code _____ Security Code _____

Name on Card _____

Please print clearly

Signature & Date _____



Office of Continuing Medical Education
720 Rutland Avenue / Turner 20
Baltimore, Maryland 21205-2195

NONPROFIT
ORG.
U.S. POSTAGE
PAID
BELLMAWRNJ
PERMIT NO.
2134

14th International Symposium on
SJÖGREN'S SYNDROME
April 18-21, 2018
THE CAPITAL HILTON
WASHINGTON, DC

DATED MATERIAL



<http://tinyurl.com/ISSS2018DC>



Check out our mobile app CloudCME.
Organization Code: HopkinsCME