



**IADR**

INTERNATIONAL ASSOCIATION  
FOR DENTAL, ORAL, AND  
CRANIOFACIAL RESEARCH  
SALIVARY RESEARCH

# **IADR Salivary Research Group (SRG) Newsletter January 2024 edition**

## ***IMPORTANT:***

**2024 IADR/AADOCR/CADR General Session**

**New Orleans, LA, USA - March 13-16, 2024**

**In Person!**

***January 11: Presenter Pre-registration Deadline***

***Feb 1: Pre-registration Deadline***

## ***IADR membership***

*The 2024 membership renewal cycle is now open! Renew or [join](#) today to take advantage of member benefits.*



# IADR

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Dear IADR-Salivary Research Group (SRG) Community,

We hope everyone enjoyed the various workshops, symposia and abstract sessions at the 2023 AADOCR/CADR Annual meeting in Portland, USA and the IADR-LAR General meeting in Bogota, Columbia. If you want to review any sessions or our business meeting go to the IADR website as the recordings will remain online. The full details can be found [here](#).

The upcoming IADR/AADOCR/CADR General Session and Exhibition will occur in on March 13-16, 2024 in New Orleans, Louisiana, USA. The General Session will feature oral and poster presentations, hands-on workshops, keynote address and symposia presented by experts from all over the world. Please do not miss this extraordinary opportunity to meet your colleagues and to grow your professional network.

We are looking forward to meeting you all in our next meeting. It will be such a great chance for us to come and share our passion in the field of salivary research. All the best to you.

Simon and the IADR-SRG Committee 2023-2024

IADR-SRG is Supported by:



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# 2024 IADR/AADOCR/CADR General Session & Exhibition 13-16 MARCH 2024, NEW ORLEANS, LA, USA

## Presentations of interest to SRG members (with more info in next pages)

### **WEDNESDAY - March 13, 2024**

- GenNext: Grad Students and Post-docs in the Spotlight, 10:15 -11:45 AM (Symposium)
- Adult Resident Stem Cells: Regulation & Interaction within Aerodigestive Niches, 10:15 - 11:45 AM (Symposium)
- HSP Wiki 2.0: New Insights into the Human Saliva Proteome Wiki, 1:30– 3:00 PM (Symposium, to be confirmed)
- Radiation-induced Salivary Gland Damage: From Pathogenesis to Treatment, 3:15 - 4:45 PM (Symposium)
- NIDCR75: Understanding Sjögren's Disease - From SICCA to AMP-AIM/STAMP, 3:15 - 4:45 PM (Symposium)

### **THURSDAY - March 14, 2024**

- Cell Heterogeneity, Networks, and Treatments in Salivary Gland Inflammation, 8:00 - 9:30 AM (Symposium)
- Behind Saliva Complexity, 11:00 AM - 12:15 PM, (Poster Session)
- Molecular Profiling and Targeted Treatments of Head and Neck Diseases, 2:00 - 3:30 PM (Symposium)
- A Sneak-Peak of the Updated Human Salivary Proteome Wiki, 2:00 PM - 3:30 PM (Hands-on workshop)
- Keynote Address; Updates on the pathogenesis, diagnosis and treatment of Sjögren's Disease, 2:00- 3:30 PM (Oral Session)
- SRG business meeting: 6:00 PM - 7:00 PM; Headquarters Hotel.
- SRG banquet: 7:00 PM - 8:00 PM; Headquarters Hotel.

### **FRIDAY - March 15, 2024**

- Saliva Biobank, 8:00 - 9:30 AM (Symposium)
- Saliva potential in Health and Disease, 2:00 - 3:30 PM (Oral Session)
- Catalyzing Excellence in Cancer Research: Moonshot, SPORE, and AHEAD, 2:00 PM - 3:30 PM (Symposium)
- Emerging Concepts in Salivary Gland Inflammation, 3:45- 5:00 PM (Poster Session)

### **SATURDAY - March 16, 2024**

- The Power of the Oral Microbiome, 8:00- 9:30 AM (Symposium)
- Vaping Reshapes Oral Microenvironments: Exposure, Inflammation, 8:00- 9:30 AM (Symposium)
- 3D Microphysiological Systems for Dental, Oral, and Craniofacial Diseases, 8:00- 9:30 AM (Symposium)
- New Insights into Salivary Gland Development and Regeneration, 11:00 AM - 12:15 PM, (Poster Session)
- Frontiers in Salivary Gland *In Vitro* and *In Vivo* Models, 2:00- 3:30 PM (Symposium)

## Symposia sponsored/co-sponsored by the SRG

**WEDNESDAY - March 13, 2024**

### **SYMPOSIUM: GenNext: grad students and post-docs in the spotlight**

10:15 -11:45 AM

**Chairs:** Joao N Ferreira (Chulalongkorn University) and Kimberly Jasmer (University of Missouri-Columbia)

#### ***Speaker - Institution - Title:***

**Shuyuan Zhang** - King's College London - The influence of oral microbiome on taste perception

**Sangeeth Pillai** - McGill University - Emerging techniques for engineering the salivary gland microenvironment for disease modeling

**Erin Watson** - University of Edinburgh - Nerve-associated macrophages play a pivotal role in salivary gland homeostasis and epithelial repair after radiotherapy injury

**Eiko Yamada** – NIH-NIDCR - cGAS-STING activation induces epithelial inflammation in SjD

### **SYMPOSIUM: Adult Resident Stem Cells: Regulation & Interaction within Aerodigestive Niches** 10:15 - 11:45 AM

**Chair:** Kevin M. Byrd (ADA Science & Research Institute)

#### ***Speaker – Institution - Title:***

**Jill Helms** – Stanford University - Aging Stem Cells of the Periodontal Niche

**Isabelle Lombaert** – Michigan University – Origin and Impact of Radiation-induced Stem Cell Niches within Salivary Glands

**Ivo Lambrichts** - Hasselt University – Regulation and Regeneration of the Human Pulp

## Symposia sponsored/co-sponsored by the SRG

**WEDNESDAY - March 13, 2024 (cont.)**

**SYMPOSIUM: Radiation-induced salivary gland damage: from pathogenesis to treatment** 3:15 - 4:45 PM

**Chairs:** Olga Baker (University of Missouri - Columbia) and Isabelle Lombaert (University of Michigan)

***Speaker - Institution - Title:***

**Mary Reyland** - University of Colorado - PKCdelta regulation of the radiation response in the salivary gland

**Kihoon Nam** - University of Missouri – Columbia - Bioengineering in salivary gland regeneration

**Rob P. Coppes** - University Medical Center Groningen - Towards a clinical application of autologous submandibular gland organoid transplantation to ameliorate hyposalivation after radiotherapy

**Randall Kimple** - University of Wisconsin - Translational studies of cell therapy to reverse radiation induced xerostomia

**SYMPOSIUM: NIDCR75: Understanding Sjögren's Disease - From SICCA to AMP-AIM/STAMP** 3:15 - 4:45 PM

**Chairs:** Preethi Chander (NIH-NIDCR), Margaret Grisius (NIH-NIDCR) and Caroline Shiboski (University of California School of Dentistry)

***Speaker - Institution - Title:***

**Caroline Shiboski** - University of California San Francisco - Lessons learned on Sjögren's disease from SICCA to STAMP: a 20-year journey in global interprofessional health and discovery

**Alan Baer** - Johns Hopkins Medicine - The quest for disease-modifying therapy for Sjögren's disease

**Michael T. Brennan** - Carolinas Medical Center - Sjögren's Disease Clinical Practice Guidelines and Oral Management

**Sara McCoy** - University of Wisconsin - Novel antibodies for SSA-SjD diagnosis: SICCA biorepository supporting investigators & science

## Symposia sponsored/co-sponsored by the SRG

**THURSDAY - March 14, 2024**

### **SYMPOSIUM: Cell heterogeneity, networks and treatments in salivary gland inflammation** 8:00 - 9:30 AM

**Chairs:** Blaker Warner (NIH-NIDCR) and Rose-Anne Romano (University at Buffalo)

***Speaker - Institution - Title:***

**Umesh S. Deshmukh** - Oklahoma Medical Research Foundation - The ABC of immune cell infiltration in salivary glands

**Kimberly Jasmer** - University of Missouri – Columbia - Salivary gland purinome: modulator of glandular immune responses

**Jacqueline W. Mays** - NIH-NIDCR - The salivary gland-immune cell interactome in human chronic graft-versus-host disease

**Sarah Pringle** - University Medical Center Groningen - The development of a hypoimmunogenic salivary gland stem cell product for relief of hyposalivation in Sjögren's Disease patients

### **SYMPOSIUM: Molecular profiling and targeted treatments of head and neck diseases** 2:00 - 3:30 PM

**Chairs:** Nisha D'Silva (Univ. of Michigan) and Andrew Fribley (Wayne State Univ.)

***Speaker - Institution - Title:***

**Camile S. Farah** - University of Western Australia - Mutational landscape of oral premalignancy

**Nisha D'Silva** - University of Michigan - Oral cancer: targeting the microenvironment

**Jacques E. Nör** - University of Michigan - Therapeutic targeting of salivary gland cancer stem cells

**Antonio Amelio** - Moffitt Cancer Center & Research Institute - Targeting drug-induced dormancy in salivary mucoepidermoid carcinoma

**2024 IADR/AADOCR/CADR General Session & Exhibition**  
**13-16 MARCH 2024, NEW ORLEANS, LA, USA**

**THURSDAY - March 14, 2024**

**SRG Keynote Address**

Oral Session, 2:00- 3:30 PM

Updates on the pathogenesis, diagnosis and treatment of Sjögren's Disease.

**Speaker: John Chiorini, NIH-NIDCR**

**Title: Lamp3 highlights the lysosome in Sjögren's Disease.**

**Hands-on workshop 2:00- 3:30 PM**

**A Sneak-Peak of the Updated Human Salivary Proteome Wiki**

**Speakers:**

Stefan Ruhl - University at Buffalo

Indresh Singh - J. Craig Venter Institute

6:00 PM - 7:00 PM: **SRG business meeting**, Headquarters Hotel.

7:00 PM - 8:00 PM: **SRG banquet**, Headquarters Hotel.

## Symposia sponsored/co-sponsored by the SRG

**FRIDAY - March 15, 2024**

**SYMPOSIUM: Saliva Biobank**, 8:00 - 9:30 AM

**Chairs:** Debora Heller (Cruzeiro do Sul University) and Hendrik Brand (Academic Centre for Dentistry Amsterdam)

***Speaker - Institution - Title:***

**Debora Heller** - Cruzeiro do Sul University - Unlocking the potential of the saliva biobank for innovative research and healthcare

**Hendrik Brand** - Academic Centre for Dentistry Amsterdam - Standardization of saliva collection methods for saliva biobanking

**Kevin M. Byrd** - ADA Science & Research Institute - The two-tube solution: a universal protocol for preserving cell subpopulations within human biofluids

**Walter L. Siqueira** - University of Saskatchewan - Biobanking: storage, courier transportation, and lesson learned from the COVID-19

**SYMPOSIUM: NIDCR75: Catalyzing Excellence in Cancer Research: Moonshot, SPORE, and AHEAD**, 2:00 PM - 3:30

**Chairs:** Zhong Chen (NIH-NIDCR) and Yu Leo Lei (University of Michigan)

***Speaker - Institution - Title:***

**J. Silvio Gutkind** - University of California - Oral Cancer in the Era of Precision Medicine and Immunotherapy: From Bench to Clinic and Back

**Flora (Fateme) Momen-Heravi** - Columbia University Medical Center - Harnessing the Plasticity of Tumor-Associated Macrophages (TAMs): A Dual Approach to Targeting Head and Neck Cancer

**Barbara Burtness** - Yale University - Overcoming Treatment Resistance in Head and Neck Squamous Cancer

**Scott A. Ness** - University of New Mexico - Complexities of Adenoid Cystic Carcinoma Revealed by Gene Expression Analysis



## Symposia sponsored/co-sponsored by the SRG

**SATURDAY - March 16, 2024**

**SYMPOSIUM: The Power of the Oral Microbiome**, 8:00- 9:30 AM

**Chairs:** Guy Carpenter (King's College London) and Aurea Simon-Soro (Univ. of Seville)

***Speaker - Institution - Title:***

**Aurea Simon-Soro** - University of Seville - The role of estrogen in maintaining a healthy oral microbiome

**Mark Herzberg** - University of Minnesota - Bacterial responses to salivary glycoproteins contribute to oral community development

**Bob T. Rosier** - FISABIO Institute - Oral Microbiome Lab, Genomics & Health Department

**Naile Dame-Teixeira** - University of Brasilia - Salivary microbiome: are the low abundant microorganisms important?

**SYMPOSIUM: Vaping Reshapes Oral Microenvironments: Exposure Mediators, Inflammation, Clinical Outcomes** 8:00- 9:30 AM

**Chairs:** Christa Wright (Chemical Insights Research Institute) and Jonathan Shannahan (Purdue University)

***Speaker – Institution - Title:***

**Christa Wright** - Chemical Insights Research Institute - Connecting vaping behavior, hazardous chemical and particle exposures, and redox-mediated cellular alterations in the oral cavity

**Jonathan Shannahan** – Purdue University - Saliva biomolecular analysis to determine individual ENDS aerosol exposure-induced oxidative susceptibility and oral disease

**Irfan Rahman** - University of Rochester - Oxidative Stress and Immune-inflammatory Response by Menthol and Tobacco flavored E-cigarette Exposure associated with Immunosuppression by Redox Signaling in Human Oral Cells

**Irene Yang** – Emory University - Exploring the Impact of Vaping Behavior on the Subgingival Microbiome of ENDS Users

## Symposia sponsored/co-sponsored by the SRG

**SATURDAY - March 16, 2024 (cont.)**

### **SYMPOSIUM: 3D Microphysiological Systems for Dental, Oral, and Craniofacial Diseases, 8:00- 9:30 AM**

**Chairs:** Styliani Alimperti (Georgetown University) and Sriram Gopu (National University of Singapore)

***Speaker – Institution - Title:***

**Styliani Alimperti** - Georgetown University - New perspectives of 3D microphysiological systems for periodontal diseases

**Sriram Gopu** - National University of Singapore - Modeling periodontal host-microbial interactions via 3D vascularized platform

**Daniel Harrington** - University of Texas Health Science Center at Houston - Accessing New Regimes in Hydrogels through Microfluidics

**Cristiane Franca** - Oregon Health and Science University - Oral Squamous Cell Carcinoma Bone Invasion: A Mechanistic Study on-a-Chip

### **SYMPOSIUM: Frontiers in salivary gland *in vitro* and *in vivo* models 2:00- 3:30 PM**

**Chairs:** Kevin M. Byrd (ADA Science & Research Institute) and Melinda Larsen (University at Albany, SUNY)

***Speaker - Institution - Title:***

**Danielle Benoit** - University of Rochester - Leveraging the salivary gland tissue chip to discover novel radioprotective compounds

**Joao N. Ferreira** - Chulalongkorn University - Salivary gland magnetic bioprinting: where are we & what comes next for in vitro platforms?

**Liping Zhang** – NIH-NIDCR - *In vivo* studies of mucin biosynthesis

**Danielle Wu** - University of Texas Health Science Center at Houston - Unleashing the potential: biointegration of salivary stem cells in miniswine for regenerative medicine

# Upcoming Events



## **AEEDC Dubai 2024 Conference**

TUE, 02/06/2024 - THU,  
02/08/2024

Dubai World Trade Centre, UAE  
Link to conference website [here](#).

## **2024 IADR Colombian Division Meeting**

THU, 05/16/2024 - SAT,  
05/18/2024, Cartagena, Colombia  
Keep a look our for more  
information [here](#).



## **Canadian Oral Health Summit (COHS)**

THU, 06/20/2024 - SAT,  
06/22/2024

Halifax, Canada

Click [here](#) for more details and  
pre-registration.

# Upcoming Events

- **International Symposium Sjogren's Disease in Egmond aan Zee (The Netherlands):**
- <https://www.16issjd.com/>
  
- **2nd Annual State of Sjogren's by the Sjogren's Foundation (online event ):**
- <https://sjogrens.org/researchers-providers/state-of-sjogrens>

# Your IADR-SRG 2023-2024 Committee

## President

Dr. Simon Tran

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## President-Elect

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## Vice-President

Dr. Kimberly Jasmer

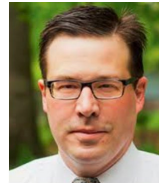
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## Immediate past-president

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## Secretary - Treasurer

Dr. Kihoon Nam (2020-2024)

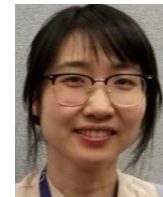
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## Councilor

Dr. Xinyun Su (2021-2024)

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## Group Program Chair

Dr. Harim Tavares dos Santos (2022-2025)

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## Public Relations Officer

Dr. Uyen Cao, Dr. Janaki Iyer, and Dr. Sangeeth Pillai (2023-2024)  
McGill University, Montreal, Canada

## Past Presidents

Dr. Derk Jan Jager,  
Dr. Isabelle Lombaert

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