



IADR Salivary Research Group

Newsletter

June, 2021



Dear IADR SRG Community,

Our virtual 2021 IADR/AADR/CADR Conference is finally coming closer !

We were pleased to see that many members of our community invested in submitting abstracts. All abstracts were judged and multiple were selected for presentations in the two IADR-approved oral sessions.

In addition, we have four poster presentations and a keynote session. Please note that all business meetings of IADR groups take place a week *prior* to the general session.

Please start saving all the SRG-related time-slots in your agenda ... Unfortunately, some of our sessions are overlapping due to the virtual organizational set-up. However, as all sessions should be recorded it will allow you to go back and watch any session of your interest.

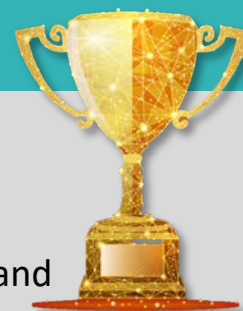
We will see you all at the virtual IADR/AADR/CADR -
Happy Spring !!

Isabelle Lombaert
SRG President 2020-2021



SRG Business Meeting

July 13, 2021 at 4-5PM ET



Updates on council meeting discussions, financial budget, memberships, new members of the 2021-2022 Committee, ... and official announcement of SRG-related awards !!

Abstract Selected Oral Presentation: **Saliva: Evolution, Composition, and Diagnostics**

July 21, 2021 at 1.30-3PM ET

Dr. Omer Gokcumen, State University of New York at Buffalo
A Novel Mechanism for Mucin Evolution

Dr. Catherine Ovitt, University of Rochester Medical Center
Nkx2.3 Transcription Factor Regulates the Salivary Gland Mucous Cell Phenotype

Dr. Débora Heller, Dentistry at Universidade Cruzeiro do Sul
Saliva in the Detection of SARS-CoV-2

Dr. Lina Marin, University of Saskatchewan
Identification of SARS-CoV-2 proteins in saliva of COVID-19 individuals

Dr. Áurea Simon-Soro, University of Pennsylvania
Microbial Aggregates in Human Saliva Build the Oral Biofilm

Dr. Dina Moussa, University of Saskatchewan
Bioinspired Caries Preventative Strategy via Customizable Pellicles of Saliva-derived Protein/Peptide Constructs

Poster Presentation: **Sjögren's Syndrome and Oral Diseases**

July 21, 2021 at 3.45-4.45PM ET

Integrative Single-Cell Omics: New Opportunities for Oral & Craniofacial Research

Co-Organized with Craniofacial Biology, Periodontal Research,
and Pulp Biology & Regeneration Group

July 22, 2021 at 8.00-9.30AM ET

Dr. Drake W. Williams, National Institutes of Dental Research

Human Cell Atlas of The Oral Mucosal Barrier in Health and Inflammatory Disease

Dr. Kevin Byrd, ADA

Single-Cell Profiling

Dr. Jan Krivanek, Masaryk University

Dental Cell Type Atlas: Applications and Perspectives

Dr. Ana Caetano, King's College London

Construction of a Human Gingiva Cell Atlas in Health and Disease

Poster Presentation:

Salivary Gland Development, Morphology, and Regeneration

July 22, 2021 at 11AM-12PM ET

Focused Learning Session

July 22, 2021 at 12.30-1.45PM ET

Co-organizer: Dr. Andy Wolff

Innovation in the Treatment of Salivary Gland Hypofunction: Electrical Stimulation

Environmental Changes in Head and Neck/Salivary Gland Cancers

July 22, 2021 at 2.00-3.30PM ET

Co-organizer: Dr. Anthony Amelio

Dr. Ranata Ferraroto, MD Anderson

Novel Molecular Classification of Adenoid Cystic Carcinoma with Therapeutic Implications

Dr. Kshitij Parag-Sharma, University North Carolina

Targeting Drug Tolerance in Salivary Mucoepidermoid Carcinoma

Dr. Andrei Goga, University California San Francisco

Nerve-Tumor Interactions in Oral and Salivary Gland Cancers

Dr. Cindy Perez-Pacheco, University of Michigan

Perineural Invasion in Oral Cancer

The Oral Axis of COVID-19 infection and Transmission

Co-Organized with CTSN and MI group

July 22, 2021 at 2.00-3.30PM ET

Dr. Blake Warner, National Institutes of Health

Dr. Anne Wyllie, Yale

Dr. Barney Graham, National Institutes of Health

Dr. Muzlifah Haniffa, Wellcome Sanger Institute

Poster Presentation:
Bioengineering Approaches to Xerostomia Treatment

July 23, 2021 at 11AM-12PM ET

Elucidating the Functional and Biomedical Impact of Salivary Biomolecules

July 23, 2021 at 2.00-3.30PM ET

Co-organizer: Dr. Omer Gokcumen

Dr. Sarah Knox, University California San Francisco

Understanding the Human Salivary Gland, Saliva and All

Dr. Yanhui Zhang, University of Tennessee

Application of the HSP-Wiki from a User's Perspective [Salivary Metabolomics]

Dr. Marcelo Freire, J. Craig Venter Institute

Discovering Neutrophil-based Proteins in Saliva

Dr. Stefan Ruhl, University of Buffalo

Coming to Terms with Saliva Complexity

KEYNOTE SESSION

Novel Therapeutics and Regenerative Approaches for Radiation-induced hyposalivation

and Abstract Selected Oral Presentations

July 23, 2021 at 2.00-3.30PM ET

Dr. Mike Brennan, Carolinas Center for Oral Health - - Keynote Speaker

AQP1 Gene Therapy for Radiation Induced Parotid Gland Hypofunction

Dr. Fei Liu, Texas A&M University

Hedgehog Activation Rescues Radiotherapy-impaired Salivary Function Through Innate Immune Cells

Dr. Kihoon Nam, University of Missouri

L1p-FH Promotes Salivary Gland Regeneration in Irradiated Mouse Submandibular Glands

Dr. Alen Trubelja, Rice University

Light-based Carving of Branched Salivary Templates in Tissue Engineering Hydrogels

Dr. Matthew Ingalls, University of Rochester

Change of Fate: Salivary Gland Acinar Cell Plasticity in Regeneration

New Insights into Salivary Gland Biology and Regeneration

July 24, 2021 at 2.00-3.30PM ET

Co-organizer: Dr. Mindy Larsen

Dr. Rose-Anne Romano, University at Buffalo

A Genomic Tapestry of the Cell Fate Choices and Trajectories of the Salivary Gland

Dr. Augustin Chibly, National Institutes of Dental Research

Regulation of Salivary Gland Development and Function by Myoepithelial Neurotrophins

Dr. Kirsten Limesand, University of Arizona

Wound Healing as a Framework for Regeneration

Mary Cindy Farach-Carson, UTHealth University of Texas

Preclinical Models for Testing the 3D Salivary Tissue (3D-ST) for Treatment of Xerostomia

Poster Presentation:
Saliva Properties and Diagnostics

July 24, 2021 at 11AM-12PM ET

We are very grateful to our financial supporters:



Your SRG 2020-2021 Committee

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