



NEUROSCIENCE GROUP
SCHEDULE



WE ARE SEARCHING
FOR...
OPPORTUNITIES



YOUNG INVESTIGATOR
AWARD

MASTICATOR

OFFICIAL NEWSLETTER OF THE IADR NEUROSCIENCE GROUP

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98TH GENERAL SESSION & EXHIBITION OF THE IADR

Our upcoming event is just around the corner! We are now making the last adjustments for the IADR annual meeting to be held in Washington DC on March 18-21, 2020.

In this latest issue of Masticator, you will note important announcements made by the IADR Neuroscience Group. We are preparing for many interesting activities and we are looking forward to seeing all of you together to attend the informative scientific events and enjoy social receptions.

NEUROSCIENCE GROUP SCHEDULE

SPONSORED AND CO-SPONSORED EVENTS

Wednesday, March 18, 2020

8:30 AM – 10:00 AM

Oral Session

- Neural development and regeneration: implications for function and pain management.

Location: Room 150A.

1:30 PM – 3:00 PM

Poster Award Competition

- IADR Neuroscience Group Young Investigator Awards by Wiley-Blackwell Journal of Oral Rehabilitation

Location: Room 209B

Only for the contestants and judges

3:15 PM – 4:45 PM

Symposium

- Evolving Therapies to Maintain Vital Dentin-pulp Complex: 100 Years of Innovation

Location: Room 146C

5 PM – 7:30 PM: Opening Ceremonies, Awards Program and Welcome Reception - Ballroom B + ABC Foyer

Thursday, March 19, 2020

8:00 AM - 9:30 AM

Symposium

- Developing Evidence-based Management Guidelines for TMDs

Location: Room 154AB

11:00 AM - 12:15 PM

Poster Session

- Neural mechanisms of pain and dysfunction

Location: Hall D

2:00 PM - 3:30 PM

Symposium:

- Pain prediction and modulation

Includes **Keynote Address** “Sex, Gender and TMD Pain across the Life Cycle: Existing Evidence and Unresolved Questions” by Linda LeResche (see below)

Location: Room 154AB.

5:00 PM - 6:00 PM

Business Meeting, IADR Neuroscience Scientific Group

Location: Room 154AB

6:30 PM -

Joint Reception: Neuroscience Group, INfORM and Dental Anesthesiology Group – Ticketed Event

Location: Capitol City Brewing Company (Offsite Venue)

Friday, March 20, 2020

8:00 AM - 9:30 AM

Symposium

- Sensory Biology of Pain and Itch: From Molecules to Behavior

Location: Room 143C

2:00 PM - 3:30 PM

Symposium

- Neuroimaging and Dentistry: Translational Research Based on Brain Imaging

Location: Room 156

3:45 PM - 5:00 PM

Poster Session

- Oral neural function in health and disease

Location: Hall D

Saturday, March 21, 2020

Symposium (INfORM)

8:00 AM - 9:30 AM

- Botulinum Toxin in Orofacial Pain: Does It Work?

Location: Room 143C

2:00 PM - 3:30 PM

Symposium

- Stem Cell-based Therapies for Treatment of Chronic Orofacial Pain Conditions

Location: Room 143AB

Symposium

- Management of Elderly Dental Patients With Cognitive and Physical Dysfunctions

Location: Room 158AB

3:45 PM - 5:00 PM

Poster Session

- Clinical and experimental pain in humans

Location: Hall D

PROGRAM HIGHLIGHTS

2020 IADR Neuroscience Group Keynote Speaker, and recipient of the 2020 Senior Investigator Award by the IADR Neuroscience Group: Linda LeResche

It has long been known that pain in the temporomandibular region (TMD pain) is more prevalent in women than in men, and the epidemiologic evidence is clear that this prevalence discrepancy emerges during adolescence. It is also known that TMD pain is less prevalent in older persons than in middle aged adults, but at what age TMD pain prevalence begins to decline and what factors are associated with this decline remain uncertain. Although it is hypothesized that the decline in TMD prevalence is associated with the menopausal transition in women, conclusive evidence for this hypothesis is lacking. Furthermore, some research suggests that TMD pain prevalence patterns may be influenced by racial and/or cultural factors. This Keynote presentation will review evidence concerning the association of a range of biological and psychosocial factors with age- and gender-specific patterns of incidence and prevalence of TMD pain, highlighting hypotheses that deserve further exploration.



Linda LeResche, ScD

Professor Emerita, Department of Oral Medicine

Arcora Foundation Distinguished Professor in Dentistry

Co-Director, TL1 Program, Institute of Translational Health Sciences

University of Washington, Seattle, WA USA

Young Investigator Awards

As you know, the Neuroscience Group annually promote the “IADR Neuroscience Group Investigator Awards by Wiley Journal of Oral Rehabilitation”, an award competition. In Washington DC, we will have 5 Pre-Doctoral contestants and 3 Post-Doctoral contestants. Besides presenting their posters during the regular Poster Sessions, the authors will also present for the judges in a closed session. The winners will be announced in the business meeting. Meet the contestants:

| Applicant | Country | Title | Category |
|---------------------|----------------|--|-----------------|
| Eva Counsell | United States | Endogenous Pain Inhibition Differences in Trigeminal Versus Non-trigeminal Body Sites | Pre-Doc |
| Martin Kim | United States | Neurokinin 1 receptor-expressing Second-order Neurons Mediate Orthodontic Pain | Pre-Doc |
| Jeffrey Liao | United States | Determining Trigeminal Sensory Nuclei Location From Neuroimaging Data: Literature Review | Pre-Doc |
| Abdelrahman Alhilou | Sweden | Expression of Pain-Receptors and Neuropeptides in the Human Masseter Muscle | Pre-Doc |
| Nabeel Almotairy | Sweden | Age-related changes in sensorimotor regulation of chewing behavior in humans | Pre-Doc |
| Tina Imbriglio | Canada | Music Modulates Masseter Muscle Activity and Awake Bruxism in Chronic Muscular Temporomandibular Disorders | Post-Doc |
| Sheng Wang | United States | Ablation of TRPV1+ afferents decreases periodontal bone destruction in mice | Post-Doc |
| Shaista Afroz | India | CGRP induced glial-cytokine expression, NFkB signalling and orofacial nociception | Post-Doc |



**THURSDAY - 5 - 6 PM
BUSINESS MEETING**

IMPORTANT TOPICS TO BE DISCUSSED!

Location: Room 154AB

Business Meeting

The Business Meeting (Thursday, March 19, 2020) is a key moment to make important decisions for our group.

The current officers are:

- President: Maria Pigg, Sweden
- President-Elect: Daniela Gonçalves, Brazil
- Vice-President: Aníbal Diogenes, USA
- Secretary-Treasurer: Yoshizo Matsuka, Japan
- Councilor: Osamu Komiyama, Japan
- Immediately Past President: Ashok Kulkarni, USA
- Public Relations Officer: Iacopo Cioffi, Canada (term 2019-2020)

Recently elected:

- Vice-President (term 2020-2021): Nikolaos Giannakopoulos, Germany
- Councilor (term 2020-2023): Somsak Mitirattanakul, Thailand

Some important issues will be presented and discussed, and all members are encouraged to attend and make your voices heard. Here are some:

1. Neuroscience Group Guidelines

In 2017/18, the Group's former Constitution & Bylaws were replaced with the general IADR Scientific Groups and Networks Governing Handbook. To provide the executive officers with more detailed guidance for the management of the Group's affairs, the former governing documents were transformed into supplementing Guidelines. The proposed new Guidelines have been posted on the website since August 28, 2019, for review and critique by the members prior to being determined. The document will be up for discussion and decision in the coming Business Meeting, so if you have not already, please review the document here:

http://www.iadr.org/Portals/69/docs/Groups/Neuroscience%20Group/NEU_Guidelines_October2018.pdf

2. Nominations for new Vice-President for the term 2021–2022

– Election due November 2020, and suggestions are welcome

3. Nominations for and election of Public Relations Officer for the term 2020-2021. Do you want to become Public Relations Officer? This function is under development, and this officer would be in charge of promoting the Group's activities for example by e-mail newsletters and social media posting. Volunteers with interest and skills in this area are very welcome to contact Daniela Gonçalves by e-mail (daniela.g.goncalves@unesp.br) ahead of the meeting. For young investigators, this 1 to 2-year term is an excellent way to start your "career" in a scientific group context!

4. Call for new sponsors for the Senior Investigator Award.

The Neuroscience Group are looking for a new sponsor for the IADR Neuroscience Group Senior Investigator Research Award to be able to continue this tradition. All members are welcome to contact us with suggestions. If you are interested or know of anyone (corporation) interested in supporting this award, please contact us through the e-mail: maria.pigg@mau.se



It is a tradition to celebrate a joint reception with the INfORM Network and the Dental Anesthesiology Research Group! The joint reception will take place at Capitol City Brewing Company on Thursday, March 19th, 2020 at 18:30 (after our business meeting).

Please note:

This is a ticketed event; tickets are only available to Group members and registration can be done through a link provided in a separate email which was sent to all members 02/07/2020 by Maria Pigg.

See you soon!

Yoshizo Matsuka

Secretary/Treasurer - IADR Neuroscience Group

Editor, The Masticator