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MASTICATOR

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NEUROSCIENCE GROUP COMMITTEE CANDIDATES SOCIETY FOR NEUROSCIENCE – ANNOUNCEMENT

In this latest issue of Masticator, you will note important announcements made by the IADR Neuroscience Group. We are preparing for vote for Vice-president and Councilor and you will be able to review the candidates' biosketches. These will also be available in the online election. Also, we announce information on the Satellite symposium as a part of Society for Neuroscience annual meeting and Frontiers in Neuroscience Research Topic.

NEUROSCIENCE GROUP COMMITTEE CANDIDATES' BIOSKETCH

Candidates nominated for Vice president:

Feng Tao
Texas A&M University College of Dentistry

Dr. Feng Tao is a tenured Associate Professor in the Department of Biomedical Sciences at Texas A&M University College of Dentistry. His research projects have been funded by NIH/NIDCR. Dr. Tao is serving as the Chair of Research Committee at Texas A&M University College of Dentistry. He is an elected member of "Board of Directors" at Texas Pain Research Consortium. He has been serving as a member of Editorial Board for five peer-reviewed professional journals and an ad hoc peer reviewer for more than 20 journals. Dr. Tao has been an invited reviewer for NIH Study Sections, Johns Hopkins ACCM Seed Grant, NSF-sponsored Pilot Funding at Louisiana State University, Arizona Biomedical Research Commission, Britain Israel Research and Academic Exchange Partnership Regenerative Medicine Initiative, Wings for Life–Spinal Cord Research Foundation in Austria, Department of Veterans Affairs Rehabilitation Research and Development Service Spinal Cord Injury and Neuropathic Pain Panel, and The French National Research Agency in France. He served as a Guest Editor for the journal "Frontiers in Integrative Neuroscience" on Special Research Topic titled "Mechanisms of Orofacial Pain and Sex Differences" in 2018. In addition, Dr. Tao is an invited speaker in the symposim entitled "Role of Kinases in Etiology and Treatment of Orofacial Pain" at the 96th General Session & Exhibition of the International Association for Dental Research (IADR) in 2018, and he will be the Chair of symposium entitled "Functional and Neuroinflammatory Mechanisms of TMD Pain" at the 97th General Session & Exhibition of the IADR in June 2019.

John K. Neubert
University of Florida

Ph.D., Oral Biology, University of California, Los Angeles (UCLA); D.D.S., UCLA; B.A., Biological Sciences with Honors and Distinction in the Major, UC Santa Barbara; Certificate in Orthodontics and Dentofacial Orthopedics, University of Florida (UF); Certificate in Orofacial Pain and Dysfunction, UCLA; Associate Professor (Tenured), Department of Orthodontics, UF; Member, Pain Research and Intervention Center of Excellence; Member, McKnight Brain Institute, UF and Graduate Faculty Status UF Interdisciplinary Program (IDP) in Biomedical Sciences—Neuroscience Emphasis.

My overall academic interests and experience in neuroscience primarily involve basic and translational pain research. This includes investigation of the role of peripheral thermal receptors and central sensitization on the expression of orofacial pain. Specifically, my laboratory has pioneered the assessment of orofacial pain in rodent models using operant testing paradigms. Operant tests are assays that better mimic human conditions by evaluating pain from the nociceptive sensation to the cognitive component, or in simpler terms, from how one feels pain to how one interprets and responds to the pain. My laboratory received national and international attention following an Associated Press release reporting on our work that characterized the placebo response in rodents. In translation of my basic and clinical interests, I have completed a clinical trial investigating patients with TMD to evaluate effects of topical capsaicin on pain relief. Recent grants will investigate mechanisms underlying trigeminal neuralagia (TN) using a translational approach in humans and rodents.

Man-Kyo Chung
University of Maryland, Baltimore

Dr. Chung is a dentist scientist investigating the molecular mechanisms of orofacial pain focused on the roles of nociceptors and nociceptive molecules. He has been particularly interested in the roles of transient receptor potential (TRP) channels including vanilloid receptor TRPV1 from the context of multiple forms of orofacial pain conditions. Based on multiple approaches using mouse-based models, he studies mechanisms of tooth pain, craniofacial muscle pain and trigeminal neuropathic pain. Throughout his career, Dr. Chung has been actively collaborating with basic scientists, clinicians and industry. During last 11 years, his research has been continuously supported by NIH and currently he is serving as a principal investigator of two R01 awards. Dr. Chung has been serving as a member of multiple NIH review panels. Dr. Chung is an active member of IADR neuroscience group and organized multiple symposia in the recent IADR meetings. His research has been published in peer-reviewed journals including Nature Neuroscience, Journal of Neuroscience, Pain and Journal of Dental Research. He is currently serving as a member of editorial board of Molecular pain and Open pain Journal. Dr. Chung's career has also been dedicated to the education of dental students and graduate students.

Meiqing Wang

Dept. Oral Anatomy and Physiology and TMD, College of Stomatology, the Fourth Military Medical University

Dr. Meiqing Wang received her bachelor (1985), master (1989) and PhD degree (1991) from Fourth Military Medical University (FMMU), Xi'an, China. She has been the Professor, from 1998, in Dept. Oral Anatomy and Physiology and TMJ, College

of Stomatology, FMMU. Her research interesting is dental occlusion and temporomandibular joint (TMJ). She has taken the position of the vice president of the Society of TMD and Occlusion and the president of Occlusion Branch, Chinese Stomatological Association (CSA). She is the editorial board member of J Bone Mineral Res, J Oral Rehabil, Arch Oral Biol, CRANIO, and Bone Res, and was the editorial board member of J Dent Res (2015-2018). She treats over 30 TMD patients per week from 1997. She has published more than 200 papers, including over 60 English papers on animal models and TMD patients, to expression her scientific view point that occlusion takes a role in TMD. She has also edited and published 4 books in Chinese on Oral Anatomy and Physiology and Occlusion. She has supervised more than 50 postgraduate students. She has won the awards of Education Progress in Military (1997), the Science and Technology Progress in Military (Second Class, 2003) and in Shaaxi Province (First Class, 2005). She was honored as the Excellent Teacher of Chinese Military Schools (1998, 2006, 2010).

Nikolaos Giannakopoulos
University Clinic of Würzburg, Germany

Nikolaos Giannakopoulos is Associate Professor at the Department of Prosthodontics, University Clinic of Würzburg, Germany. His research covers oral physiology, painful disorders of the stomatognathic system and endpoints of prosthodontic treatment. He is treasurer of the European Academy of Craniomandibular Disorders. His research focus is related to innovative scanning method for assessment of masticatory performance. He also collaborates on studies investigating a sophisticated finite-element-model of the stomatognathic system, which can realistically simulate the chewing process under different conditions

Candidates nominated for Councilor

Crystal Stinson
Texas A&M University College of Dentistry

After winning the Wiley-Blackwell Young investigator award in 2017, I began to be more involved with the Neuroscience group but due to pregnancy and a leave of absence for maternity, I was unable to fulfill my duties as public relations officer to the best of my abilities. In 2018, I was assisted by Dr. Kulkarni and senior officers in organizing a Lunch and Learn at AADR on Orofacial Pain Testing in Rodents which was a success. I have since returned to faculty full time and I am ready and committed to working with the Neuroscience group as a Councilor and as a liaison to young investigators. I am currently a tenure-track assistant professor at Texas A&M University College of Dentistry and I am funded for research in the areas of addiction and orofacial pain. I am fully capable of being our voice and vote at the IADR council meetings and with global

headquarters. I will keep the group informed and promptly report all correspondence. In addition to group membership growth, I will work to increase the engagement of young investigators. I would also like to participate in abstract reviewing for our scientific group and organizing symposia. I have been a Neuroscience group member since 2014 and have attended all but one AADR sessions since 2011. I am the current Dallas Chapter-AADR Vice president and President-Elect with a vision of supreme service in this organization. I would be honored to serve the Neuroscience group in any and all capacities needed.

Somsak Mitrirattanakul
Mahidol University - Faculty of Dentistry – Bangkok

Dr. Somsak Mitrirattanakul, is Diplomate in the American Board of Orofacial Pain, Residency Certificated in Orofacial Pain and Dysfunction, and Ph.D. in Oral Biology. He is also Diplomate in the Thai Board of Dental Occlusion and Orofacial Pain. His expertise focus on Orofacial pain, Temporomandibular disorders, Dental Occlusion, Dental Sleep medicine. Dr. Mitrirattanakul has been serving the IADR - Neuroscience Group during the last years as Secretary-Treasurer, VP, and President. Therefore, he has a comprehensive knowledge of all the group activities and can give a great contribution as the Group Councilor.

Yi Ye
New York University

I am interested in an opportunity to volunteer as a councilor at the Neuroscience Group. I will be honored to serve the AADR community.

I believe that I process the skillset that the Neuroscience Group needs from their volunteers. Currently, I am an Assistant professor, Associate Director of Clinical Research Operations in Bluestone Center for Clinical Research, New York University College of Dentistry. I am a neuroscientist focusing on mechanisms of oral cancer pain. Working with a team composed of clinicians, clinical research coordinators, and basic scientists, I have honed communication and administrative skills to interact with people from diverse backgrounds and cross disciplines. During my MBA training from 2014 to 2017 at NYU Stern School of Business, I further enhanced my leadership and management skills. In addition, I have experience serving at the Engagement Work Group at American Pain Society (APS) to help expand APS membership and improve member experience. As a woman and foreign scholar in the early part of my career, I am particularly interested in science policy-making to engage, support, and empower women, international scholars, and all early-career neuroscience researchers.

Thank you for considering my interest in becoming a councilor for Neuroscience Group. I am prepared to serve and help advance the AADR mission. I would be excited to help your organization and I am confident I can make a difference.

SOCIETY FOR NEUROSCIENCE SATELLITE MEETING – ANNOUNCEMENT

Prof. Limor Avivi-Arber (University of Toronto) and her colleagues, Prof. Teresa Lever (University of Missouri) and Dr. Kazutaka Takahashi (University of Chicago) have been organizing a Society for Neuroscience Satellite Symposia focusing on oral functions and their neural mechanisms. This year, our 5th symposium will be held on October 18th at the Shirley Ryan AbilityLab in Chicago. This is a whole day event. Registration for the event is free. The symposium will showcase a wide spectrum of research spanning from clinical assessments of orofacial disability, such as swallowing, to molecular and genetic basis of neural control of orofacial behaviors. The event will provide insights into the latest discoveries in neural mechanisms underlying orofacial functions and rehabilitation in humans and animals. This event is unique, as it brings together dental surgeons, speech language pathologists, engineers and neuroscientists whose research has been focusing on the orofacial region. In this 5th symposium we will have a great line-up of international and diverse speakers including Prof. Shaheen Hamdy and our own Prof. Man-Kyo Chung. As a part of the event, we will be accepting posters to be presented at the meeting and you can choose to submit your poster in a pdf format when you register for the event.

For more information please visit
https://home.uchicago.edu/~kazutaka/SfN2019Satellite.html

The Society for Neuroscience is the largest neuroscience organization worldwide. Approximately 30,000 neuroscientists, clinicians, and advocates are expected to attend the meeting this year. This is an event you do not want to miss. For more information visit https://www.sfn.org/Meetings/Neuroscience-2019

For any questions please contact limor.avivi.arber@utoronto.ca

FRONTIERS IN NEUROSCIENCE RESEARCH TOPIC

In collaboration with the journal Frontiers in Neuroscience, a Research Topic puts together contributions from international experts in orofacial neuroscience in an open-

access article collection on **Orofacial Functions: From Neural Mechanisms to Rehabilitation,**

The submission deadline is 31 August, 2019

The overall goal of this Research Topic is to gather current knowledge from studies focusing on orofacial sensory-motor structures and functions, and utilizing conventional as well as sophisticated cutting-edge technology. This Research Topic will provide insights into the latest discoveries in orofacial sensory-motor behaviors in health, disease, and following rehabilitation, and will suggest possible underlying neural mechanisms in humans and animals. It is hoped that findings of these novel studies will lay down the foundation for further studies and the development of improved orofacial rehabilitation strategies.

For more information please link to https://www.frontiersin.org/research-topics/9292

For any questions please contact limor.avivi.arber@utoronto.ca

Yoshizo Matsuka
Secretary/Treasurer - IADR Neuroscience Group
Editor, The Masticator