

Moving TMJ Research

Temporomandibular Disorders (TMJ) was one of the topics discussed at the September 13, 2022 National Institute of Dental and Craniofacial Research (NIDCR) Council meeting. We would like to highlight the following three topic areas that were discussed:

The Director’s Presentation

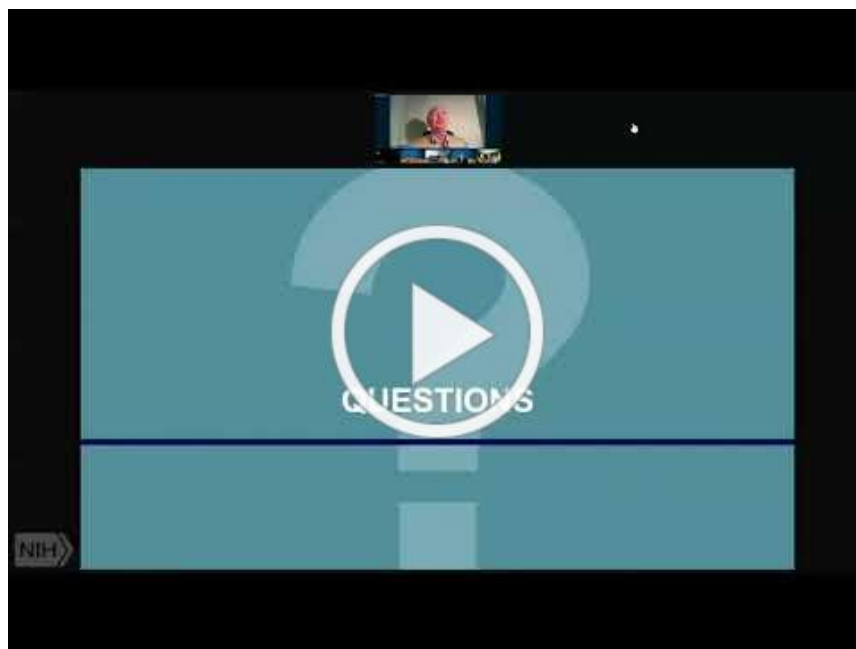
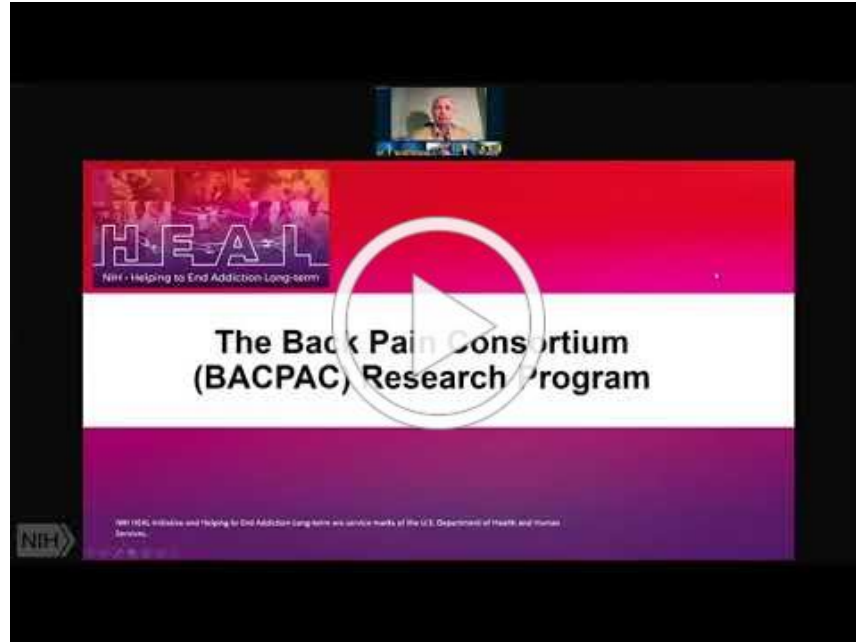
Dr. Rena D’Souza, Director of NIDCR, provided an update on the TMD-IMPACT initiative. The goal is to advance TMJ basic and clinical research, research training, and translation of new research findings into evidence-based treatments and improved clinical care via establishment of a national, interdisciplinary, trans-NIH, patient-centered research collaborative. This initiative was approved by the Council earlier this year and Dr. D’Souza laid out the current state of this project and timeline.



Approaches to Complex Diseases

Dr. Robert Carter, Deputy Director of the National Institute of Arthritis and Musculoskeletal and Skin Diseases, provided lessons learned on how to tackle complex conditions such as TMJ. He gave examples from two NIH HEAL Initiatives, the Back-Pain Consortium Research Program (BACPAC) and

Restoring Joint Health (REJOIN), which focuses on joints, including the TMJ. Also discussed was the Accelerating Medicines Partnership program. He stressed the need for NIH to move away from its siloed approach in order to tackle these complex conditions.



Multidisciplinary Care

Dr. R. Bruce Donoff, the former Dean of Harvard School of Dental Medicine, discussed integrating dental and medical research and developing champions for change.



November is TMJ Awareness Month

[Learn more](#)



Research Grant Opportunities: A Call for Applications

Feasibility Studies that Explore Healthy and Diseased Temporomandibular Joints (TMJ) using Single Cell Multi-Omic Analyses (UH2/UH3 Clinical Trial Not Allowed)

The purpose of this funding opportunity announcement (FOA) is to encourage feasibility and discovery studies focused on providing foundational knowledge to further studies of cellular and molecular mechanisms underpinning temporomandibular joint disorders (TMJD) pain and tissue dysfunction using single-cell omics approaches. This FOA has goals of identifying cell populations and mapping their effector pathways in TMJD target tissue (e.g., synovial fluid, muscle, skin) as 1) molecular disease classifiers allowing for patient stratification, 2) diagnostic, prognostic, and/or predictive biomarkers, and/or 3) novel therapeutic targets.

The UH2 phase of this FOA will initially support a one-year milestone-driven

planning and feasibility phase for all aspects of the clinical research study including planning for participant recruitment, sample collection and processing, and data analysis. The UH3 phase will provide support of up to two years for implementation of the study from human subjects recruitment to single cell data collection and analysis in line with the purpose of this FOA. Applications responding to this FOA must address both UH2 and UH3 phases.

<https://grants.nih.gov/grants/guide/rfa-files/RFA-DE-22-005.html>

The Intersection of Sex and Gender Influences on Health and Disease

The purpose of this Funding Opportunity Announcement (FOA) is to invite R01 applications on the influence and intersection of sex and gender in health and disease, including: (1) research applications that examine sex and gender factors and their intersection in understanding health and disease; and (2) research that addresses one of the five objectives from Strategic Goal 1 of the 2019-2023 [Trans-NIH Strategic Plan for Women's Health Research](#) "Advancing Science for the Health of Women." The awards under this FOA will be administered by NIH ICs using funds that have been made available through the Office of Research on Women's Health (ORWH) and the scientific partnering Institutes and Centers across NIH.

<https://grants.nih.gov/grants/guide/rfa-files/RFA-OD-22-028.html>

Notice of Special Interest (NOSI): Research on the Health of Women of Understudied, Underrepresented and Underreported (U3) Populations (Admin Supp Clinical Trial Optional)

The TMJA welcomes the announcement by the NIH Office of Research on Women's Health of the availability of Administrative Supplements to support research on the health of women in understudied, underrepresented, and underreported populations in biomedical research. The prevalence of TMJ is higher in women and yet support for biomedical research specifically targeted to sex and gender topics in TMJ is lacking. Clearly, more research is needed to address molecular, genetic, musculoskeletal, endocrine, neurological, and bio-behavioral aspects of TMJ in women. We hope this announcement will result in many new avenues of research that will clarify the causes of TMJ, elucidate the arc of disease progression, and ultimately, hasten the development of precision treatments for TMJ patients.

<https://grants.nih.gov/grants/guide/notice-files/NOT-OD-22-031.html>

FY22 Chronic Pain Management Research Program

The US Department of Defense Chronic Pain Management Research Program invites scientists to submit pain research applications under three targeted areas: Clinical Exploration Award, Investigator-Initiated Research Award and Translational Research Award. Pre-applications are due July 12, 2022.

For additional information, please visit <https://cdmrp.army.mil/funding/cpmrp>



**“Sometimes a TMJ patient needs
inspiration just to
get through each day.”**

- The TMJ Association, Ltd.

Connect with others who understand in the
new TMJ Cafe Support Community

Visit TMJ.Inspire.com

About The TMJ Association...*Changing the Face of TMJ*

The TMJ Association, Ltd. is a nonprofit, patient advocacy organization whose mission is to improve the quality of health care and lives of everyone affected by Temporomandibular Disorders (TMJ). For over 30 years, we have shared reliable information on TMJ with people like you. We invite you to visit our website, www.tmj.org.



The TMJ Association, Ltd., P.O. Box 26770, Milwaukee, WI 53226

info@tmj.org | www.tmj.org

The TMJ Association, Ltd. is a nonprofit 501(c)(3) tax-exempt organization.

Copyright © 2022. All Rights Reserved.