



**11th International TMJ Interdisciplinary Research Meeting
Scientific Program**

September 19–20, 2026

*Texas A&M College of Dentistry Administration Building
3302 Gaston Avenue, Dallas, Texas 75246*

Day 1: Saturday, September 19, 2026 (1:30 PM – 6:00 PM)

Session I: Imaging, Modeling & Molecular Mapping of the TMJ

Time	Presenter / Institution	Title	Notes
1:30 – 1:45 PM	Drs. Alejandro J. Almarza and John K. Neubert	Welcome & Opening Remarks	
1:45 – 2:00 PM	Hai Yao, PhD lab Clemson Univ.	3D Whole Joint Mapping	10 min + 5 min Q&A
2:00 – 2:15 PM	Joohyun Lim, PhD (co-corresponding) Univ. of Delaware	Spatial mapping of the TMJ reveals niche-specific cellular dysregulation in a mouse model of osteogenesis imperfecta	Kang, Markhali, Powell, et al. Support: NIH R01DE034736 10 min + 5 min Q&A
2:15 – 2:30 PM	Hai Yao, PhD lab	Whole Joint Nociception Modeling	10 min + 5 min Q&A

Time	Presenter / Institution	Title	Notes
2:30 – 3:00 PM	Break		

Session II: Biomechanics & Neuroimmune Mechanisms

Time	Presenter / Institution	Title	Notes
3:00 – 3:15 PM	Dr. Jeff Chen	Lymphatic-neuroimmune niche for TMD	10 min + 5 min Q&A
3:15 – 3:30 PM	Anton Pavlov Colorado State Univ.	Direct Measurement and Analysis of In Vivo TMJ Forces in Sheep	Gadomski, Koch, Easley, Labus Support: NIH NIDCR R56DE032760 10 min + 5 min Q&A
3:30 – 3:45 PM	Dr. Jeff Chen lab (Postdoctoral Fellow)	Omics Analysis (scRNA-seq / Spatial Transcriptomics)	10 min + 5 min Q&A

Time	Presenter / Institution	Title	Notes
3:45 – 4:15 PM	Break		

Session III: Clinical Studies

Time	Presenter / Institution	Title	Notes
4:15 – 4:45 PM	Dr. Clark	Preliminary First-Visit Data from Our Pilot Study	30 min total
4:45 – 5:00 PM	Larry Wolford, DMD Texas A&M Univ. College of Dentistry	How Do Custom TMJ Replacements Function After 30 Years of Service?	10 min + 5 min Q&A
5:00 – 5:30 PM	Jenny Feldman	OhMyJaw	Remote Presentation

Day 2: Sunday, September 20, 2026 (9:30 AM – 12:15 PM)

Session IV: Innervation, Regeneration & Translational Outcomes

Time	Presenter / Institution	Title	Notes
9:30 – 9:45 AM	Mairobys Socorro, DDS, PhD Univ. of Pittsburgh School of Dental Medicine	RNAScope and Signal-Amplified Immunolabeling for Mapping Nociceptive Innervation in TMD Pain Research	Rolim de Lavor, Stover, Cruz-Almeida, et al. Support: NIAMS UC2AR082196 10 min + 5 min Q&A
9:45 – 10:00 AM	Dr. Jeff Chen lab (Graduate Student)	TMJ Organoids	10 min + 5 min Q&A
10:00 – 10:15 AM	Hannah Bonelli Univ. of Pennsylvania / CHOP	Engineering the temporomandibular joint using cartilage progenitors	Barbella, Srinivasan, Ragbirsingh, Kenawy, Gottardi Support: T32-AR007132 NIH; 1R01HL161583-01A1 NHLBI 10 min + 5 min Q&A

Time	Presenter / Institution	Title	Notes
10:15 – 10:45 AM	Break		

Time	Presenter / Institution	Title	Notes
10:45 – 11:00 AM	Joshua Stover, PhD Univ. of Pittsburgh	CRISPR Strategies for Treating Temporomandibular Joint Pain	Co-author: A. Almarza Support: NIH 10 min + 5 min Q&A
11:00 – 11:15 AM	Yutong Guo Univ. of Pennsylvania	Deciphering cellular heterogeneity within the TMJ perichondrium	Kitagawa, Tosa, Embree Support: NIH 2R56DE029068-06A1 10 min + 5 min Q&A
11:15 – 11:30 AM	Juliane Rolim de Lator, DDS, MSc, PhD Univ. of Pittsburgh	3D mapping of peripheral innervation across joints, species, and musculoskeletal tissues	Socorro, Stover, Gaire, et al. Support: NIAMS UC2 AR082196-1 10 min + 5 min Q&A
11:30 – 11:45 AM	Hagar Kenawy, PhD CHOP / Univ. of Pennsylvania	Decellularized meniscal scaffolds combined with progenitor cells for temporomandibular joint repair	Bonelli, Zhao, Ren, et al. Support: NIDCR T90DE030854/R90DE031532; 1F32DE035372-01; CiPD; NIH P30AR069619 10 min + 5 min Q&A

Time	Presenter / Institution	Title	Notes
11:45 AM	Dr. Alejandro J. Almarza	Closing Remarks & General Discussion	