



# Digital Twins for Health Society

## 2026 Annual Meeting Agenda

**Venue: Institute of Molecular Medicine (IMM)**  
**University of Texas Health Science Center at Houston**  
**Address: 1825 Pressler St, Houston, TX 77030**

<b>Day 1: January 20, 2026</b>	
1:00 – 1:15 PM CST	<b>Opening Remarks</b> <i>Presenter: Jiajie Zhang, PhD, Professor and Dean, D. Bradley McWilliams School of Biomedical Informatics, UTHealth Houston</i>
1:15 – 2:15 PM CST	<b>Keynote Speech #1</b> <b>The final frontier - How to get Digital Twins into Clinics</b> <i>Presenter: Alice Byram, MD, Clinician, Digital Health Leader &amp; President, Digital Health Section at the Royal Society of Medicine</i>
2:15 – 2:45 PM CST	<b>Coffee Break</b>
2:45 – 3:45 PM CST	<b>Oral Presentation Session 1: DT-Enabled Cancer Care</b>
2:45 – 3:00	<b>HPV-Stratified Causal Digital Twins for Head and Neck Cancer: Bayesian-Network Markov Blankets Enable Interpretable Counterfactual Survival under Chemoradiotherapy versus Radiotherapy Alone</b> <i>Keyur D. Shah, Chih-Wei Chang, Jun Zhou, Jie Ding, Anees Dhabaan, Hania A. Al-Hallaq, James Bates, William Stokes, David S. Yu, Xiaofeng Yang, Emory University</i>
3:00 – 3:15	<b>Perioperative Digital Twin: Dynamic Risk Stratification for Postoperative Organ Injury</b> <i>Shuyu Lu, Xiaoyang Ruan, Hongfang Liu, UTHealth</i>
3:15 – 3:30	<b>A Patient-Specific Digital Twin for Adaptive Radiotherapy of Non-Small Cell Lung Cancer</b> <i>Anvi Sud, Jialu Huang, Gregory R. Hart, Keshav Saxena, John Kim, Lauren Tressel, Jun Deng, Yale University</i>
3:30 – 3:45	<b>Using mCODE as a basis for an Ontology for Cancer Patient Digital Twins: Integrating Radiomics and Dosiomics</b> <i>Odette Rios-Ibacache, Amal Zouaq, John Kildea, McGill University</i>
3:45 – 4:15 PM CST	<b>Group Picture</b>
4:15 – 5:00 PM CST	<b>Poster Discussions + Demos from Sponsors, Publishers, and Agencies</b>
5:00 – 6:00 PM CST	<b>Special Panel</b> <b>PGx and Digital Twins: Incorporating PGx Insights into Pharmacodynamic Digital Twins</b> <i>Panelists: Marc Paradis, SIYOM Consulting; Michael Liebman, IPQ Analytics; Anastasia Christianson, EPAM</i> <i>Moderator: Zachary Brooks, UGenome</i>
6:00 – 6:30 PM CST	<b>DT4HS Membership</b> <i>Presenter: Jun Deng, Yale University</i>
8:00 – 9:30 PM CST	<b>Keynote Speakers and Panelists Dinner (Invitation Only)</b>

<b>Day 2: January 21, 2026</b>	
7:30 – 8:30 AM CST	<b>DT4HS Board Meeting</b>
8:30 – 9:30 AM CST	<b>Keynote Speech #2</b> <b>Biomedical Digital Twins for Heart Disease: From Bench to Business to Bedside</b> <i>Presenter: Charles Taylor, PhD, Professor, Department of Internal Medicine; W.A. "Tex" Moncrief, Jr., Chair in Computational Medicine, Oden Institute for Computational Engineering &amp; Sciences; Director, Center for Computational Medicine, UT Austin</i>
9:30 – 10:30 AM CST	<b>Government Panel</b> <i>Panelists: Mohd Anwar, NIH; Grace Peng, NIBIB; Yuliya Gorb, NSF</i> <i>Moderator: Jake Chen, UAB</i>
10:30 – 11:00 AM CST	<b>Coffee Break and Meet the DT4HS Board Members</b>
11:00 – 12:00 PM CST	<b>Oral Presentation Session 2: Patient-Centered Digital Twins</b>
11:00 – 11:15	<b>Panoramic Dental Digital Twins for Adaptive and Predictive Oral Healthcare</b> <i>Yuzhou Chen, Huanmei Wu, University of California, Riverside</i>
11:15 – 11:30	<b>A Multi-Scale Digital Twin for Mechanistic Modeling and Personalized Prediction of NAFLD to HCC Disease Progression</b> <i>Jinlian Wang, Hui Li, Cynthia Ju, Hongfang Liu, UTHealth</i>
11:30 – 11:45	<b>TIPSSS and Technologies to Enable Digital Twins</b> <i>Florence D. Hudson, Columbia University</i>
11:45 – 12:00	<b>T2D-Med-DT: A Medication-Focused Digital Twin Framework for Cardiovascular Risk Reduction in Type 2 Diabetes</b> <i>Huanmei Wu, Feifan Liu, Ben Gerber, Temple University</i>
12:00 – 1:00 PM CST	<b>Lunch Break</b>
12:00 – 1:00 PM CST	<b>Young Professionals Workshop</b> <b>Digital Twins for Health: A New Frontier for Young Professionals</b> <i>Panelists: Caroline Chung, MDACC; Tanveer Syeda-Mahmood, Stanford; Shimei Pan, UMBC; Xinyue Ye, U of Alabama</i> <i>Chair: Pranav Mehta, UTHealth</i>
1:00 – 2:00 PM CST	<b>Keynote Speech #3</b> <b>A Global Ecosystem for Medical Digital Twins: Innovation and Collaboration</b> <i>Presenter: Eric Stahlberg, PhD, Executive Administrative Director, Institute for Data Science in Oncology, UT MD Anderson Cancer Center</i>
2:00 – 3:00 PM CST	<b>Industry/Healthcare Panel</b> <i>Panelists: Marc Paradis, SIYOM Consulting; Michael Liebman, IPQ Analytics; Anastasia Christianson, EPAM</i> <i>Moderator: Ying Ding, UT Austin</i>
3:00 – 4:00 PM CST	<b>Oral Presentation Session 3: DT Frameworks and Societal Applications</b>
3:00 – 3:15	<b>Skin Tone-Related Disparities in Vision Language Model Diagnosis of Skin Diseases from Clinical Dermatology Images</b> <i>Yuhang Guo, Zhiyu Wan, ShanghaiTech University</i>
3:15 – 3:30	<b>A Campus Digital Twin Framework for Visualizing and Managing Anxiety Related Stress among College Students</b> <i>Yuchen Wang, Xinyue Ye, University of Alabama</i>
3:30 – 3:45	<b>Developing a Digital Twin for Privacy and Security Training for Healthcare Professionals</b> <i>Chiu C. Tan, Huanmei Wu, Temple University</i>
3:45 – 4:00	<b>Electronic Health Twins: Conceptual Framework and Guiding Principles for Future-Generation Electronic Health Records</b> <i>Guo-Qiang Zhang, UTHealth</i>
4:00 – 4:30 PM CST	<b>Best Paper Awards + Closing Remarks</b> <i>Presenter: Jun Deng, Yale University</i>