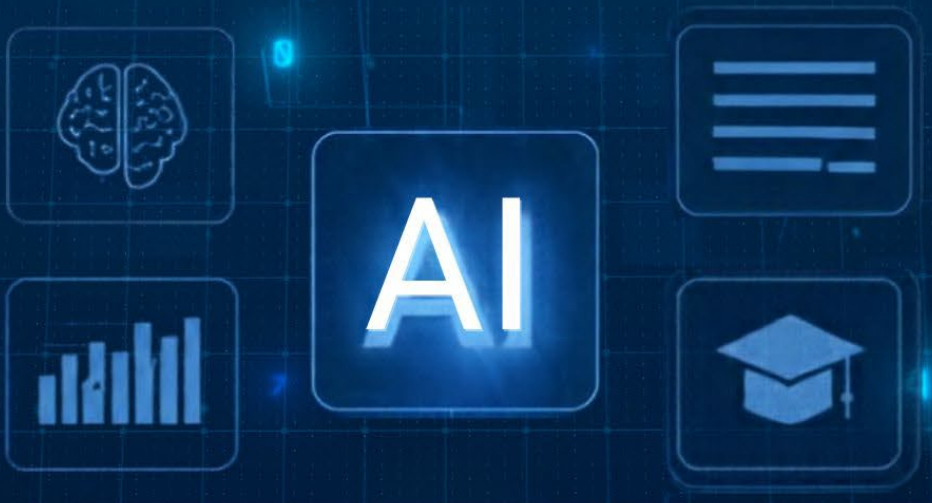
UTHealth Houston

AI IN ACTION

Practical Applications for UTHealth Houston Faculty

PROGRAM SCHEDULE



Friday, November 13, 2026

McWilliams School of Biomedical Informatics
6th Floor, UCT Building

Hosted by The Office of Faculty Affairs and Development

AI IN ACTION: Practical Applications for UTHealth Houston Faculty

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TIME	ROOM 612	ROOM 614	ROOM 618
8:00-8:15 a.m.	**Registration & Breakfast**		
8:15-8:45 a.m.	**OPENING PLENARY - ALL PARTICIPANTS** "AI in Health Science Institutions: Education, Research, and Practice" Jiajie Zhang, PhD, Dean, McWilliams School of Biomedical Informatics		
8:45-9:00 a.m.	**Room Transition / Workshop Setup**		
9:00-10:25 a.m.	**AI in Teaching** "AI for Healthcare Education: From Prompt to Practice" Litao Wang, EdD; Susan Fenton, PhD; Richard Halpin, EdD; and Xi Chen, PhD	**AI in Research and Publications** "From Research Question to the Right Resource: Using AI to Navigate and Communicate Research" Sirisha Yadugiri, PhD, MHA, CRA	**AI in the Clinics** "ProtocolFlow and AI-Powered Clinical Data Workflow Optimization" Xiaoqian Jiang, PhD, and Uday Singh, MDS, PhD Candidate
10:25-10:30 a.m.	**5-Minute Break / Room Transition**		
10:30-11:55 a.m.	**AI in Teaching** "Developing Course Content and Better Assessments with AI" Tingting Lu, PhD, Patrick Finnerty, EdD, Ms. Kimberly Wolf	**AI in Research & Publications** "ChatGPT for Simulated Study Section to Pre-empt Reviewer Critiques" Carolyn Pickering, PhD, RN	**AI in the Clinics** "Me, Myself and AI: Using AI as Your Thought Partner in the Clinic" Hunaid Gurji, DO, PhD; Litao Wang, EdD & Syed Hashimi, MD, MPH, PhD
11:55 a.m.-12:00 p.m.	**5-Minute Break / Room Transition**		
12:00-1:00 p.m.	**LUNCH & NOON TALKS - ALL PARTICIPANTS** "Navigating Ethical and Regulatory Concerns in Health AI" by Christina F. Solis, Senior Director of IT Governance Data and Privacy, and Chief Privacy Officer "AI Tools at UTHealth Houston" by Dustan Brennan, Senior Director, Innovation AI Solutions and Strategy		
1:00-1:10 p.m.	**10-Minute Break / Room Transition**		
1:10-2:35 p.m.	**AI and Administrative Duties** "Integrating AI Into Administrative Activities" Melissa Valerio-Shewmaker, PhD, MPH	**AI in the Arts** "Organizing Your Art Projects with AI & Agentic AI" Laura Spector, Artist in Residence, McGovern Center for Humanities and Ethics	**AI in the Clinics** "AI in the Clinic: From Cool Demo to Clinical Transformation" Babatope Fatuyi, MD
2:35-2:40 p.m.	**Room Transition / Closing Setup**		
2:40-3:15 p.m.	**CLOSING REMARKS - ALL PARTICIPANTS** **"**From Exploration to Action" Mr. Damon Soto, Contract Manager, and Christine Flynn Weaver, PhD, Director Licensing and New Venture Development		

ABOUT THE SESSIONS

9:00-10:25 AM | AI in Teaching

AI for Healthcare Education: From Prompt to Practice

This interactive workshop explores practical ways faculty can integrate generative AI into teaching and learning. Participants will practice effective prompting and explore how AI can support content development, student engagement, assessment, and course evaluation. The session will also address responsible AI use, including privacy, transparency, human oversight, and the importance of maintaining critical thinking and professional judgment.

Presented by Litao Wang, EdD; Susan Fenton, PhD; Richard Halpin, EdD & Xi Chen, PhD

AI tool participants will need: Qualified Health AI, Microsoft CoPilot, and Gemini Notebook

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9:00-10:25 AM | AI in Research & Publications

From Research Question to the Right Resource: Using AI to Navigate and Communicate Research

Navigating the research process can be challenging, particularly when a project involves multiple institutional requirements, offices, and resources. In this interactive session, faculty will use AI to work through realistic research scenarios and learn how to turn a research question into actionable next steps. Participants will practice using AI to ask appropriate clarifying questions, identify potential pathways involving areas such as IRB, IACUC, biosafety, sponsored projects, data and material transfer agreements, and research collaborations, and identify appropriate institutional resources.

The session will also explore practical applications of AI for research dissemination and publications, including developing conceptual/model figures and creating visual representations of complex research workflows. Hands-on exercises will allow participants to practice prompting, evaluating AI-generated outputs for accuracy, and refining them while maintaining appropriate scientific and human oversight.

Responsible AI use will be emphasized throughout, including verification of AI-generated information, protection of sensitive or confidential information, and recognizing when guidance or determinations must come from the appropriate institutional office or subject-matter expert.

Presented by Sirisha Yadugiri, PhD, MHA, CRA

AI tool(s) participants will need: ChatGPT or another UTHealth Houston-approved generative AI tool

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9:00-10:25 AM | AI in the Clinics

ProtocolFlow and AI-Powered Clinical Data Workflow Optimization

Participants will work through practical scenarios using ProtocolFlow and explore how AI can help streamline clinical data workflows. The session will emphasize hands-on exercises to map workflow steps, identify bottlenecks, and develop AI-assisted approaches to improving efficiency, with human review built into the process.

Presented by Xiaoqian Jiang, PhD, and Uday Singh, MDS, PhD Candidate

AI tool(s) participants will need: ProtocolFlow

10:30-11:55 AM | AI in Teaching

Developing Course Content and Better Assessments with AI

Explore how AI can support course design, content development, and assessment creation. Drawing on concepts from EDUCAUSE's *Teaching with AI* and *AI for Instructional Design* series, this session will demonstrate how faculty can use generative AI to create instructional materials, assessments, multimedia assets, and personalized learning experiences. Participants will learn practical techniques for prompting, testing, and refining AI-generated content to ensure it aligns with instructional goals, promotes meaningful learning, and enhances the student experience.

Presented by Tingting Lu, PhD, Patrick Finnerty, EdD, Kimberly Wolf

AI tools participants will need: ChatGPT, Copilot, NotebookLM

10:30-11:55 AM | AI in Research and Publications

ChatGPT for Simulated Study Section to Pre-empt Reviewer Critiques

We will have ChatGPT assist us in using our researcher bios, prior grants, and critiques to simulate a red-team/blue-team study section review to help identify potential problems or blind spots in the grant before submission.

Presented by Carolyn Pickering, PhD, RN

AI tool participants will need: ChatGPT
Additional files to have ready:

- Copies of biosketches and CV
- Copies of all submitted grants funded and unfunded
- Copies of all study section critiques for funded and unfunded grants
- The submitted paper, final published paper and reviewed comments for the last 2-3 manuscripts
- Copies of any articles that you feel are most representative of your work that are not open access

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10:30-11:55 AM | AI in the Clinics

Me, Myself and AI: Using AI as your thought partner in the clinic

This workshop focuses on how clinicians can use generative AI as a thought partner to support clinical reasoning and everyday workflows. Participants will practice advanced prompting strategies and explore how to build reusable AI assistants and agentic workflows. Through hands-on activities, participants will learn to use AI responsibly while maintaining independent clinical judgment.

Presented by: Hunaid Gurji, DO, PhD; Litao Wang, EdD & Syed Hashimi, MD, MPH, PhD

AI tools participants will need: Qualified Health and Gemini Notebook

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1:10-2:35 PM | AI in Administrative Duties

Integrating AI into Administrative Activities

Attendees will gain a better understanding of strategies and the use of AI in administrative duties. We will review the use of AI for email, tracking activities, and expectations, as well as communicating with external partners.

Presented by Melissa A. Valerio-Shewmaker, PhD, MPH

AI tools participants will need: Co-Pilot. You can bring an email example.

1:10-2:35 PM | AI in the Arts

Organizing Your Art Projects with AI & Agentic AI

This hands-on workshop will explore how AI can support the organization, development, and presentation of creative projects. Using an art project as a real-world example, I'll demonstrate the difference between using AI for individual tasks and creating an ongoing project workspace that can help organize information, images, schedules, budgets, communications, and other moving parts.

Participants will work alongside me to develop their own small project, including working with uploaded information and images, creating an AI-generated visual through prompting, and using AI to develop a first-draft slide presentation that can then be edited and refined by the user. I'll also demonstrate examples of agentic AI—where AI can move beyond generating information and interact with other applications to perform tasks—using Zoom and JotForm as examples.

Presented by: Laura Spector, Resident Artist, Humanities & Ethics, McGovern Medical School

AI tools participants will need: ChatGPT, Claude, Microsoft PowerPoint or Apple Keynote. Participants should also have one photograph or image they own or have permission to use, and are comfortable uploading during the workshop

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1:10-2:35 PM | AI in the Clinics

From Cool Demo to Clinical Transformation

AI capabilities are advancing rapidly, but demonstrating what AI *can* do is very different from successfully integrating it into clinical care. This session will explore how healthcare organizations move promising AI applications from ideas to pilot to sustainable clinical practice. Using practical examples, we will discuss where AI is creating meaningful value today, how to evaluate potential use cases, the role of clinical workflow and governance, and what determines whether an AI solution earns clinician trust, improves outcomes, and can be scaled responsibly.

Presented by Babatope Fatuyi, MD

AI tools participants will need: None required. This is an informative and interactive session. Participants may optionally bring a laptop or mobile device to engage with examples and discussion.