TEXAS A&M HEALTH
Clinical Science & Translational Research

Grand Rounds

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Texas A&M University
College of Medicine

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**Next Grand Rounds:
August 3, 2021 TBA**

This event will be recorded and available online at cstrinstitute.tamhsc.edu

CME credit given ONLY for attendance at live event.

**"Deep Semi-supervised and Multi-stage Learning for Medical Applications"
AND**

"Approaching Vascular Physiology and Pathology Using Mechanobiology: Lessons from Engineered *In Vitro* Vessel-Chip Systems"

**Tuesday, June 1, 2021
12:00–1:15 pm**

Via ZOOM:
https://tamu.zoom.us/j/99304719171?pwd=VHg0eGV2eFRPcDdVb
VJZcm9vbnRoUT09

Meeting ID: 993 0471 9171
Password: 496960
Dial in: 1 346 248 7799 or 1 888 788 0099 or 1 877 853 5247

OBJECTIVES: Upon completion of this activity, the participant should be able to: 1) compare and contrast algorithmic strategies for modeling risk of adverse outcomes and 2) discuss recent advances in deep learning network development for risk estimation in heterogeneous patient populations; AND 1) discuss the importance of physical stimuli in vascular homeostasis that permeate clinical literature and how aberrant stimuli contribute to disease; 2) recontextualize these clinical paradigms in the view of mechanobiology and discuss how biological systems respond to these stimuli in concert; and 3) describe the importance of engineered systems in developing this knowledge and how they may be applied in parallel to *in vitro* and *in vivo* models to provide a comprehensive understanding of the physiology.

ACCREDITATION: Texas A&M University College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Texas A&M University College of Medicine designates this live activity for a maximum of *1 AMA PRA Category 1 Credit*TM. Physicians should claim only credit commensurate with the extent of their participation in the activity.

DISCLOSURE: The speakers have disclosed that they do not have a financial interest or affiliation with any entity producing, marketing, re-selling, or distributing health care goods or services consumed by, or used on, patients.

The planners for this educational activity have no relevant financial relationship(s) to disclose with ineligible companies whose primary business is producing, marketing, selling- re-selling, or distributing healthcare products used by or on patients.

Physicians claiming CME credit should submit an evaluation online at
https://med.catalog.instructure.com/courses/cstr-grand-rounds-june-2021-deep-semi-supervised-and-multi-stage-learning-for-medical-applications-and-approaching-vascular-physiology-and-pathology-using-mechanobiology-lessons-from-engineered-in-vitro-vessel-chip-systems-live

Medical students claiming course credit should complete the evaluation form at
https://tamuhsc.co1.qualtrics.com/jfe/form/SV_4OuffYJm40h2TxI

For further information, email CSTR@tamu.edu