

UCSD NANOENGINEERING/CHEMICAL ENGINEERING  
**SEMINAR SERIES**

Wednesday, October 30, 2019

Seminar Presentation: 11:00am - 12:00pm

**SME room 248**

*“Killing Cancer Stem Cells”*



**Jeremy Rich, MD, MHS, MBA**

*Professor*

*Director of Neuro-Oncology*

*Director of the Brain Tumor Institute*

*UC San Diego Health*

Dr. Jeremy Rich, MD, MHS, MBA is Professor of Medicine, Director of Neuro-Oncology, and Director of the Brain Tumor Institute of UC San Diego Health. Previously, he served as the inaugural Chair of Stem Cell Biology and Regenerative Medicine at Cleveland Clinic and Co-Director of the National Center for Regenerative Medicine. He has received numerous awards, including named as one of the inaugural NCI Outstanding Investigators, as well as induction into the American Society for Clinical Investigation and American Association for Physicians. His work has been published in over 200 original research reports. He serves on several editorial boards and the NCI Board of Scientific Counselors.

The goals of the Rich Lab are to identify novel therapeutic paradigms in the treatment of advanced cancers, primarily malignant brain tumors, through the understanding of a stem cell-like phenotype found in many cancers and core signal transduction pathways amenable to pharmacologic targeting. The aim is to better understand the clinical relevance of cancer stem cells and the interaction with the tumor microenvironment and underlying genetic driver mutations in human cancers.

Dr. Rich also provides clinical care for patients afflicted with primary and metastatic nervous system cancers.

Dr. Rich is a clinically active neuro-oncologist who wandered into the laboratory because of frustration watching his patients succumb to their cancers. Through the years, his focus has shifted in different areas of cancer biology motivated by insights from colleagues and trainees. His group has made contributions to the importance of cancer stem cells in brain tumors using orthogonal techniques informed by his clinical observations and partnerships with other research groups. His personal journey has included the pursuit of ongoing education to develop new skills in management and leadership.