**Workshop 2: Learning in Motion: A Beginner Crash Course in Video and Animation for the Medical Educator**

**Description:** This interactive session will focus on kickstarting and inspiring educators to dabble in animation as a fun and effective teaching tool capable of engaging today’s learners. The workshop will start with a brief review of the theory and literature behind video and animation in education, and then will dovetail into a series of hands-on activities where the learners will work in teams to develop a character and storyboard of their own. Depending on participant preference, there will be opportunities at the end to get an introduction to specific computer techniques using free software, or get exposed to some additional animation fundamentals.

**Learning Objectives:**

1. Learn the current evidence and principles behind the use of video, animation and other multimedia in adult learning in science and medicine.
2. Apply basic principles of film and animation to future educational media creations. This will include concepts such as composition, storyboarding, and fundamentals of character design.
3. Develop an organized approach to evaluate and appraise educational multimedia created by themselves, peers, or trainees.

**Facilitators:**

**Bryan Brown, MD** is a current Chief Resident for the Yale Primary Care Residency Program and rising Medical Education Fellow in the section of General Internal Medicine. He completed residency in the Yale Primary Care Program and completed a Distinction in Medical Education. He has also completed the Stanford Clinical Teaching Course. In 2017 he was awarded a Rosenkranz Award for Pedagogical Advancement from Yale’s Center of Teaching and Learning to produce and study the feasibility and benefits of animations created by medical educators. He has delivered workshops on animation in local and national settings, and also presented his work at Yale Medicine Grand Rounds in December 2018.

**Sarita Soares, MD** delved into animation education research upon the team’s receiving a Rosenkranz Award for Pedagogical Advancement from Yale’s Center of Teaching and Learning to produce and study animation created by medical educators without prior training in this field. Our work emphasized the use of characters as advance organizers to enhance memory, and the use of cognitive theories to guide design of high-impact content that was most pleasing to learners. We also co-led a related workshop at APDIM 2018, a national conference for residency program leadership. Outside of this work, Dr. Soares leads the Yale Primary Care Program’s clinical competency committee and thus has a strong background in learner styles and assessment. She has academic interests in using technology in education, and co-directs the Yale Primary Care Point-of-Care Ultrasound curriculum. She enjoys exploring modes of enhancing traditional educational techniques using technology to enhance self-directed learning.

**Catherine Gao-Howard, MD** is currently a resident at Yale Internal Medicine. She is passionate about graphic design and photography, working primarily in Lightroom and Photoshop. She is interested in mobile technology in medical education, quality improvement focusing on improving adherence to evidence-based guidelines, and outcomes in the ICU. She is engaged in the Clinician Educator Distinction, and has co-facilitated workshops on animation in medical education with the other authors.