

Carmine M. Valente, PhD, CAE Distinguished Service Award

In October 2016, the AIUM's Board of Governors established the Carmine M. Valente, PhD, CAE, Distinguished Service Award to memorialize and recognize significant contributions to the AIUM and the ultrasound community as a whole by furthering the multidisciplinary nature and collaborative efforts of the organization.



Rachel Liu, MD

Dr Liu received her bachelor's degree from Case Western Reserve University in 2002. She went on to receive her MBBCh from Trinity College in Dublin, Ireland, in 2007. After that, she came back to the United States to complete her residency at the New York Medical College/ Metropolitan Hospital Center.

Dr Liu currently serves as the assistant professor of emergency medicine and the director of point-of-care ultrasound education for Yale School of Medicine, where she develops curricula related to the use and application of point-of-care ultrasound.

A good professor is one who not only teaches but also cares about the destiny of his or her scholars; Dr Liu is an exceptional educator. She takes the task of advancing science by training the world's future medical leaders very seriously.

In 2013 Dr Liu piloted an innovative concept that focused on point-of-care ultrasound within the elective curriculum for preclerkship medical students, which was integrated with the clinical skills program and the human anatomy course. The result of this program was highly successful.

It is safe to say that knowledge sharing is one of Dr Liu's core beliefs. She codirects national courses such as the New England Emergency and Critical Care Ultrasound Course and the Yale Caribbean Island Point-of-Care Ultrasound Course. Dr Liu goes beyond the classroom to teach students by tutoring in the clinical skills program. She has published articles in *Annals of Emergency Medicine* and *JAMA*. Dr Liu has coauthored the guideline *Guidance for Live Model Ultrasound Scanning in Educational and Conference Settings*. Dr Liu has been instrumental in developing SonoGames, a national ultrasound competition in which residents demonstrate their skills and knowledge of point-of-care ultrasound in an exciting and educational format. She has also helped shape students' futures by her contribution to *The Student Doctor Network's Medical School Admissions Guide*. In addition, she can be seen on the EMS Nation podcast discussing prehospital ultrasound.

Dr Liu is more than just a member of the AIUM; she is a major contributor. As a result of her service, SonoSlam, a competition for medical students to demonstrate their ultrasound technique, was born. She wrote a blog post for *The Scan* and an article for the *Journal of Ultrasound in Medicine*. Dr Liu was also on the mentor task force of the Medical Education Section and has given lectures at AIUM conventions. She is also a contributor to the Endowment for Education and Research, which provides funding for research projects and educational endeavors to promote the development of new

technologies and applications in medical ultrasound and to encourage excellence in ultrasound education.

Dr Liu is both nationally and internationally known and respected. She has traveled the world speaking at events such as SonoAus, the World Congress of Ultrasound in Medical Education, the Society of Clinical Ultrasound Fellowships, the American Academy of Emergency Medicine Scientific Assembly, and the Colorado Ultrafest. She will also be speaking at the African Conference on Emergency Medicine in November 2018.

When Dr Liu is not working, she volunteers. Dr Liu has served as a member of the Undergraduate Medical Education Committee, an ad hoc liaison to the Academic Affairs Committee, the chair-elect of the Emergency Ultrasound Section, and the Medical Student Education cochair for the American College of Emergency Physicians. She has also served as the president-elect, president, immediate past president, and education officer for the Academy of Emergency Ultrasound.

Dr Liu received the Rosenkranz Award for Pedagogical Innovation from the Yale Center for Teaching and Learning. She has also been the recipient of the Charles W. Bohmfalk Teaching Prize from the Yale University School of Medicine. Her commitment to students and their advancement is indisputable. It is clear that Dr Liu is well deserving of the Carmine M. Valente, PhD, CAE, Distinguished Service Award.

