Reported by (Name):	Wesley Culberson
Organization:	University of Wisconsin - Madison
Position Title:	Associate Professor and UWADCL Director
Activity:	Council on Ionizing Radiation Measurements and Standards (CIRMS) Annual meeting
Meeting Dates:	April 26-27, 2021
Meeting Location:	Virtual
Payment \$:	None requested for 2021
Reasons for Attending or not Attending	I am a technical expert on radiation dosimetry representing the interests and needs of the AAPM.
Issues from Previous Meetings or Year:	A number of radiation dosimetry standards were discussed at the previous annual meeting at NIST in Spring, 2019. The outstanding issues include radiobiology standards for radiobiological experiments, small field dosimetry, and particle therapy accelerator calibration and dosimetry.
General Description of Activities of the Organization and/or Meeting:	CIRMS is a mutli-disciplinary non-profit organization which seeks to elevate the needs of all aspects in the field of ionizing radiation, drawing on the experience and knowledge of industry, academia, and government professionals. Through this collaborative group, the needs of our field are distributed to government agencies and potential funding sources.
Issues for AAPM:	CIRMS will be working to create a Needs Report in the following year to present the needs for standardized dosimetry particularly in areas of radiation biology, targeted radionuclide therapy, and Flash therapy that affects radiation therapy research. There are also needs for more accurate radiation dosimetry in MRI environments, and updates to the clinical dose reporting methods for particle therapies such as RBE and LET.
Budget Request (\$):	N/A

Council on Ionizing Radiation Measurements and Standards

2021 Annual Meeting Agenda

April 26-27, 2021
Virtual Meeting over WebEx
Meeting Link will be provided to all registrants

Monday, April 26, 2021 (All times are EDT)

10:00 10:00	Welcome President's Welcome & Sponsor Introductions Wesley Culberson, PhD, President, CIRMS	(5 min)
10:05	Announcements and Introduction to Needs Report Matthew Mille, PhD, President-Elect, CIRMS	(5 min)
10:10	Plenary Session	
10:10	FLASH Therapy Research and Preclinical Data Adam Harrington, PhD, Varian Medical Systems, Palo Alto, CA	(20 min)
10:30	Radiation Processing Dosimetry – From Dosimeter to Distribution Malcolm McEwen, PhD, National Research Council Canada (NRCC), Ottawa, ON	(20 min)
10:50	Technical Aspects on the Development and Use of Standards Leticia Pibida, PhD, National Institute of Standards and Technology (NIST) Gaithersburg, MD	(20 min)
11:10	5-Minute Break	
11:10 11:15	Junior Investigator Symposium	
		(45 min)

Tuesday, April 27, 2021 (All times are EDT)

10:00	Medical Applications Subcommittee (chair: Matthew Mille, PhD, National Cancer Institute)	
10:00	Applications of Plastic Scintillation Dosimetry for Rad. Onc.: A Startup Founder Perspective Francois Therriault-Proulx, PhD, Co-founder and CEO, Medscint	(18 min)
10:18	Evaluation of Proton Accuracy Improvements with Dual-Energy CT Sina Mossahebi, PhD, University of Maryland School of Medicine	(18 min)
10:36	Challenges in Multi-Center Quantitative Imaging for TRT Dosimetry Eric Frey, PhD, Johns Hopkins University	(18 min)
10:55	5-Minute Break	