

Reported by (Name):	Jessica Fagerstrom
Organization:	American Association of Physicists in Medicine (AAPT)
Position Title:	Liaison to AAPT
Activity:	Annual Report 2023
Meeting Dates:	<p>Previous (2023):</p> <ul style="list-style-type: none"> ● January 14-17, 2023 ● July 15-19, 2023 <p>Upcoming (2024):</p> <ul style="list-style-type: none"> ● January 6-9, 2024 ● July 6-10, 2024
Meeting Location:	<ul style="list-style-type: none"> ● January 2023: Portland, OR ● July 2023: Sacramento, CA ● January 2024: New Orleans, LA ● July 2024: Boston, MA
Payment \$:	No budget was allocated for 2023 meetings. Budget is requested for airfare, hotel, and registration fees for one physicist for the 2024 meeting. This was requested through the Public Education Committee in August 2023, so not requested again here in this report; however, it is noted that funding is requested. Note that the large 2024 summer meeting takes place over the Fourth of July weekend, which may make recruiting local medical physicists difficult, but with funding available for travel, it is confirmed that an AAPM member would be able to attend.
Reasons for Attending or not Attending	To discuss collaboration between AAPM and AAPT through the Living Physics Portal as well as connecting physics educators with AAPM resources.
Issues from Previous Meetings or Year:	There was no budget allocated for 2023 meetings. Budget was requested for 2024 meetings.
General Description of Activities of the Organization and/or Meeting:	<p>October 19, 2023</p> <p style="text-align: center;">AAPT Liaison Report 2023</p> <ol style="list-style-type: none"> 1. AAPT holds two annual meetings: the smaller winter meeting and the larger summer meeting. In the past, the larger summer meeting dates have overlapped with AAPM's annual summer meeting, but not for the most recent (2023) summer meeting. 2. I worked with Dr. Juan Burciaga to add two invited talks to the major AAPT summer conference that took place July 15-19, 2023 in Sacramento, CA. He arranged for two formal invited talks centering on using medical physics in high school and undergraduate physics classes. I reached out to local medical physicists, and Dr. Sonja Dieterich at UC Davis agreed to give a talk. She recruited

	<p>Mr. Scott Hoopingarner, senior medical physics resident, to also give a talk.</p> <ol style="list-style-type: none">a. Mr. Scott Hoopingarner was invited for one talk, entitled, "Medical physics: Pathways for STEM students." This presentation focused on different pathways for students with different backgrounds (general/applied physics, nuclear engineering, biology, mathematics, etc.) to get involved with medical physics. He outlined as an example one basic pathway into clinical physics careers, including a physics undergraduate degree, masters degree in medical physics, and a residency program.b. Dr. Sonja Dieterich was invited for one talk, entitled, "Medical physics: Using science to improve medical care." This presentation focused on different medical physics specialties and career opportunities.c. Dr. Dieterich and Mr. Hoopingarner shared the session with Dr. Nancy Donaldson from Rockhurst University, who discussed the design of a physics course centered on medical physics topics offered at a small, liberal arts university.d. Approximately 40-45 conference goers attended the session. Dr. Dieterich reported that the experience was positive, with audience members engaged and asking good questions.e. Dr. Dieterich suggested that a theme to continue in future meetings is for AAPM members to build on the goal of bringing medical physics education into the undergraduate space. <p>3. AAPT's standard is that AAPT members are expected to pay for registration, regardless of the invited nature of their presentations. Non-AAPT members have complimentary registration. Neither Dr. Dieterich or Mr. Hoopingarner are AAPT members, so their registration fees were waived. Because they were within reasonable driving distance to the conference, they agreed to present without any travel reimbursement (this was discussed with them prior to confirming their involvement in the conference).</p> <p>4. I have been in contact with Dr. Juan Burciaga about including a similar session at the next large AAPT summer meeting. I am able to travel to the meeting, and have been involved in the Living Physics Portal project as well as the AAPM Public Education website project, and would be able to</p>
--	---

	<p>speaking this summer. Ideally, medical physicists local to the Boston area would also be able to attend the meeting, although dates of this meeting include the Fourth of July weekend, so many potential local speakers may not be able to attend. Dr. Burciaga agreed to reach out in December 2023 or January 2024 to work together to develop a similar session for the 2024 summer meeting.</p> <p>5. AAPT continues to develop the Living Physics Portal (www.livingphysicsportal.org/) electronic repository of high quality educational materials for teaching physics to life sciences students at the undergraduate level. This online platform hosts curricular materials focused on physics topics in the life and biological sciences, and facilitates the sharing and peer review of these materials. This resource was discussed in more detail in the 2022 AAPT-AAPM report. It could be a quality resource for AAPM members who would like to share education materials or who would like to use materials that have previously been developed.</p> <p>Respectfully submitted by:</p> <p>Jessica Fagerstrom, Ph.D., M.Ed., DABR AAPT Liaison</p>
Issues for AAPM:	<ol style="list-style-type: none"> 1. Encourage submission and use of materials to AAPT's Living Physics Portal web-based curricula platform to include medical physics resources. 2. Encourage AAPM members to be more active in AAPT meetings. 3. Work with physicists local to AAPT meeting location to deliver up to two invited presentations at the upcoming 2024 AAPT meeting, promoting resources from the AAPM available to AAPT members, especially the AAPM Public Education website (www.medicalradiationinfo.org).
Budget Request (\$):	See above—budget was previously requested through the Public Education Committee.