

Reported by (Name):	Jessica Fagerstrom
Organization:	American Association of Physicists in Medicine (AAPT)
Position Title:	Liaison to AAPT
Activity:	Annual Report 2022
Meeting Dates:	June 14, 2022 and January 14-17, 2023
Meeting Location:	In-person: Washington, DC and Portland, OR
Payment \$:	\$1283 requested (see below)
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:	N/A
General Description of Activities of the Organization and/or Meeting:	<p>October 17, 2022</p> <p style="text-align: center;">AAPT Liaison Report 2022</p> <ol style="list-style-type: none"> 1. AAPT has been working extensively on the electronic resource, Living Physics Portal, an electronic repository of high-quality educational materials for teaching physics to life sciences students at the college level (https://www.livingphysicsportal.org/). <ol style="list-style-type: none"> a. The original goal was to maintain an online platform for physics educators to submit and download curricular materials centered on physics applied to life and biological sciences. b. This could be a great resource for AAPM members who are involved in education and outreach, and could be a great place to share work done by AAPM members with the physics education community. c. The platform facilitates sharing new content as well as finding content that other AAPM users may want to download and adapt for their own teaching. d. Anyone user can look see verified materials, but to access all the submitted materials (including those that are in the process of being verified), users must be a verified educator and log on. Registration is free, and users don't have to work in higher education--but users are supposed to teach in some capacity. e. I submitted my first contribution, a simple hands-on activity guiding students through

manipulating a CT scan. It immediately became available in the community library, where any registered user can download it and post comments and feedback. I also agreed to submit it for consideration for the vetted library, where it will undergo editorial review. There may be some required changes, and if it's deemed acceptable, it will be added to the vetted library.

- f. Bob Hilborn, one of the executive officers at the AAPT reached out to Dr. Alison Roth (former PEC member) and me in the spring, after I had contacted him about working together to promote the AAPM PEC website as a resource for physics teachers. He invited Alison or me to attend a meeting in DC about the Living Physics Portal and coordinated the meeting based on our schedules (Alison volunteered to attend). After cementing Alison's schedule, other AAPM members were invited, including Robert Jeraj with the American Physical Society's Topical Group on Medical Physics (GMED). AAPT kindly supported all travel expenses for Alison.
 - g. Alison and I reported back to several interested AAPM groups, including the Public Education Committee (PEC), the Education and Training of Medical Physicists Committee (ETC), the Medical Physicists as Educators Committee (MPESC), the Women's Profession Subcommittee (WPSC).
2. I worked with Dr. Juan Burciaga, who is helping organize the annual AAPT winter conference, which will take place in Portland, OR, January 14-17, 2023. He requested two formal invited talks centering on using medical physics in high school and undergraduate physics classes.
- a. Krista Burton was invited for one talk, entitled, "Careers in Medical Physics." This presentation will focus on showing medical physics career options to students as an example of a career option in physics.
 - b. I was invited for one talk, entitled, "Medical physics as a tool for classroom engagement." This presentation will focus on using curricular materials with medical physics topics providing an anchoring event.
 - c. Both talks will include a discussion of AAPM resources available to interested AAPT members, including the AAPM's PEC website.

	<p>d. 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. Krista is not an AAPT member, but I am an active member. Funding is requested for early bird registration rates for me only (\$499) and a shared conference hotel room for the duration of the conference (\$784).</p> <p>Respectfully submitted by:</p> <p>Jessica Fagerstrom, Ph.D., M.Ed., DABR AAPT Liaison</p>
<p>Issues for AAPM:</p>	<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. Deliver two invited presentations at the AAPT annual winter meeting, promoting resources from the AAPM available to AAPT members.
<p>Budget Request (\$):</p>	<p>\$1283</p>