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Resources and approaches for teaching physics to pre-health and life science majors RALF WIDENHORN, Portland State University — As science is advancing, the skill set for a physician or medical researcher today and in the future is very different than it has been in the past. As an example, the American Association of Medical Colleges revised the Medical College Admissions Test (MCAT) to reflect this dynamic environment. Because of these changes, the needs of students entering into these professions are often not met by a traditional physics course. Developing curriculum for an introductory physics course that helps to prepare life science and pre-health students can be challenging for many physics instructors who lack a strong foundation in biology or medicine. This presentation will address various approaches that physics instructors without a background in life sciences can use to successfully teach an introductory physics course for life science and pre-heath students. For these courses, an online resource may be a useful tool. Online resources already exist today, but their utility relies on active engagement and sharing of teaching material by physics instructors possessing a background in both physics and the life sciences. This talk will address ways for the biomedical physics community to contribute to this effort.

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