**Goal 4: Foster the education and professional development of medical physics**

## Objective 1 – Lead medical physics graduate and residency program development

Existing

## Objective 2 – Enhance medical physics professional development

Existing

## Objective 3 – Recommend research training guidelines for medical physics graduate programs

1. Ensure that education of medical physicists includes adequate research methodology training specific for career goals (academic career, industry, clinical practice)
2. For students with academic career goals, education should include broad multidisciplinary training in basic sciences (physics, biology) and medical sciences (oncology)
   1. Academic career focus training guidelines specifics **(Prepare a draft by AAPM)**
3. For students with industrial career goals, education should include training in business methods, regulatory affairs and entrepreneurship needed for translating research to product
   1. Industrial career focus training guidelines specifics **(Prepare a draft by AAPM)**
4. For students with clinical practice goals, education should include basic training in research methodologies and implementation and assessment of new technologies
   1. Clinical practice career focus training guidelines specifics **(Prepare a draft by AAPM)**
5. Develop and implement modern didactic research training strategies