

# PSDO-Physician Scientist Development

---

**PSDO 698. Master's Level Non-Thesis Research. 1-8 Hour.**

Students may perform independent study in a research laboratory setting. This work may contribute toward the concentration credits subject to program director approval.

**PSDO 699. Master's Level Thesis Research. 1-8 Hour.**

Students perform independent study in a research laboratory setting. This work contributes directly to the completion of the degree and meets the degree requirements for graduation.

**PSDO 700. Pathway to Grant Submission. 1 Hour.**

This course is designed to give students a basic background in topics necessary to succeed as a physician scientist in today's academic medical environment. Topics to be covered include the NIH funding system, how to write a fellowship, record keeping, authorship and publication, conflict of interest, animal and human subjects, and finding a mentor (Open to MD-PhD, ARISE-MD, and DMD-PhD students).

**PSDO 701. Career Development Grant Writing Workshop. 1 Hour.**

This course is designed to assist postdocs, residents, fellows, and rising junior faculty with the creation and submission of a K award or equivalent grant application. Topics to be covered include the NIH funding system, how to write a fellowship, how to submit animal protocols, and how to submit IRB forms. Individuals will be given a variety of reading assignments from which they will be expected to participate in group discussions and/or presentations. They will also be expected to prepare a fellowship application that will be submitted to an NIH Funding agency.

**PSDO 720. Critical Approaches & Clinical Evaluation of Kidney Disease. 1 Hour.**

Enhance knowledge of kidney disease physiology to include expansion of the themes from the Mount Desert Island Biologic Laboratory (MDIBL) course on the "Origins of Renal Physiology" Promote structured critical thinking skills focused on kidney disease. Enhance experimental design skills for the development and testing of new hypotheses. Enhance constructive reviewing skills. Engage in the culture and language of medicine through exposure to a range of clinical experiences. Provide opportunities for PROMoTE scholars and clinical faculty to discuss areas where basic science and clinical medicine intersect and where new information could be beneficial. Expose PROMoTE scholars to clinical problems and a variety of team-based investigation.

**PSDO 798. PSDO Non-Dissertation Research. 1-8 Hour.**

Non-Dissertation research. Only open to ARISE-MD students.

**PSDO 799. PSDO Dissertation Research. 1-8 Hour.**

Dissertation research. Only open to ARISE-MD students.

**Prerequisites:** GAC Z