



Definition of Scholarly Activity and Methods of Fulfilling This Requirement

*Scholarship of Discovery, Integration, Application and Teaching*

In 1990 Ernest Boyer wrote a report for the Carnegie Foundation which broadened the definition of scholarly activity to include four types of scholarly activity:

*Scholarship<sup>1</sup> is:*

*Discovery- original research*

*Integration-synthesis, making connections across the disciplines*

*Application-service to the larger community tied directly to one's specialized knowledge*

*Teaching-not only transmitting knowledge but transforming and extending it as well*

*The ACGME has modified the terms for resident education as follows:*

- a. the scholarship of *discovery*, as evidenced by peer-reviewed funding or by publication of original research in a peer-reviewed journal;**
- b. the scholarship of *dissemination*, as evidenced by review articles or chapters in textbooks;**
- c. the scholarship of *application*, as evidenced by the publication or presentation of, for example, case reports or clinical series at local, regional, or national professional and scientific society meetings;**
- d. the scholarship of *teaching* has as its goal enabling students to understand.**

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<sup>1</sup> Boyer, EL. Scholarship Reconsidered: Priorities of the Professoriate. Carnegie Foundation for the Advancement of Teaching, 1990

### Methods for Fulfilling Scholarly Activity Requirement

- Each PM&R resident must complete at least one form of scholarly activity as listed:

<i>discovery</i>	Prospective Research Project	Retrospective Research Project
<i>dissemination</i>	Review Article	Publishable Manuscript (online)
<i>application</i>	Case Series Presentation at National Meeting	Poster or Platform Presentation at Regional or National Meeting (not case report except by permission)
<i>teaching</i>	Curriculum Development for departmental use	Multi-Media Presentation for education outside department publishable on website (by permission only)

- Each PGY-3 resident must designate (in writing and with signed/verified permission of the designee) a mentor, which should be an academic faculty member either within the department of PM&R, or within this university or another LCME-accredited university. [Permission of the residency program director must be obtained for non-departmental faculty mentors.]
- Each PGY-3 resident must develop a written plan for completion of scholarly activity utilizing the template above, and designate the type of project, and the expected time frame for completion of each major element (IRB approval, subject recruitment, etc.) This plan must be submitted to the residency program director or his designee, and will be forwarded and approved by the Department of PM&R Research Committee.
- Every project must include a comprehensive review of the pertinent medical literature for at least the previous 5 years, including a written bibliography submitted to the residency program director and uploaded to the resident’s learning portfolio page. The bibliography must follow scientific acceptable citation format, such as New England Journal of Medicine, JAMA, Journal of Bone and Joint Surgery, or equivalent. In addition, the search terms and method of searching (databases accessed) must be designated in written form.
- Only 6 research elective months (paid by Department) are available and will be awarded based on the needs of the project, and the scientific worthiness of the project. For residents who submit grant applications in consultation with the mentor, budgeting for one month of salary will allow use of that funding to pay for the research month.
- The Research Committee of the Department will make final determination in consultation with the residency program director as to which proposals and literature reviews have met this requirement, and will verify that the project is acceptable for fulfillment of this obligation.
- Residents are encouraged to prepare their research ideas early in the PGY-3 year, so that funding may be sought through competitive grant applications early in their residency to allow completion during their 3 years of residency.

Expected Time Table for Fulfillment of the Requirement:

PGY-2	PGY-3	PGY-4
FORES Course	Identify Project, Prepare Bibliography	Complete Project, write up findings with mentor.
Designate Mentor by end of first year	IRB Submission, Grant Application for Funding if needed	Presentation of Results- regional or national meetings, submission for publication.

Fulfillment of this requirement has several advantages for the resident physician:

1. Candidates for fellowship have a stronger chance of favorable selection when demonstration of scholarly activity has occurred in residency.
2. Materials you develop during residency (such as lecture presentations) are valuable tools for use in future practice, such as lectures to hospital staffs, marketing, and developing your curriculum vitae.

The Project Summary Template is linked to this page for your completion prior to starting the project.

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This document is subject to periodic revision. The version available on line at the UT Southwestern web site is the most current version.

