Scholarship: Getting Started
Karen W. Hayes, PT, PhD, FAPTA
Section for Education, New Faculty Development Workshop
July 13-16, 2017, Chicago, IL

Who Am I?
- PhD in Educational Processes
- 33 years at Northwestern University, last 7 as Program Director
- Faculty development workshop; ELI; scientific writing course
- Research interests – osteoarthritis, student performance
- Editorial board member; journal reviewer

Objectives
- Discuss the importance of scholarship in the academy
- Discuss entry-level avenues for scholarship
- Discuss methods of developing collaborative scholarship and support

Objectives
- Discuss methods of stretching scarce resources
- Discuss the ethics of conducting and reporting scholarship
- Discuss options for continued skill development for scholarship

Scholarship and the Academy
- Mission to generate knowledge, advance learning, provide service
- Expectations
  - Contribute to new knowledge
  - Contribute to revenue stream
  - Be in harmony with university mission
- Types of scholarship acceptable

Scholarship and the Profession
- Mission to optimize movement
- Evidence-based Practice
- CAPTE expectations
  - Ongoing
  - In harmony with university mission
  - Peer-reviewed
  - Disseminated
  - Fit Boyer’s classifications

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Boyer’s Classifications*

- Scholarship of Discovery
- Scholarship of Integration
- Scholarship of Application
- Scholarship of Teaching and Learning**
- Scholarship of Engagement***


CAPTE Criterion for Scholarship*

- Each core faculty member has a well-defined, ongoing scholarly agenda that reflects contributions to:
  1. the development or creation of new knowledge, OR
  2. the critical analysis and review of knowledge within disciplines or the creative synthesis of insights contained in different disciplines or fields of study, OR
  3. the application of findings generated through the scholarship of integration or discovery to solve real problems in the professions, industry, government, and the community, OR
  4. the development of critically reflective knowledge about teaching and learning, OR
  5. the identification and resolution of pressing social, civic, and ethical problems through the scholarship of engagement.

*Commission on Accreditation in Physical Therapy Education. Evaluative Criteria PT Programs, November 2014.

Critical Elements of Scholarship*

- Clear Goals
- Adequate Preparation
- Appropriate Methods
- Meaningful Results
- Effective Presentation
- Reflective Critique


Barriers to Scholarship

- Ideas
- Time
- Money
- Knowledge of research
- Support
- Collaborators
- Population access
- Lab space

Front right
Front left
Rear right
Rear left

What are current or anticipated barriers to scholarship for you?

Ideas

- Identify interests/passions
- Current funding agency interests
- Mentor interests
- Research journal
  - Ideas from patient care or colleague discussions
  - Student questions
  - Ideas from presentations
  - Ideas from papers read

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Time/Workload
- Post-doctoral fellowships
- Start-up time
- Grants that include salary support
- Courses that expect scholarship of students
- Time management analysis
- Chair negotiations

Money/Funding
- Seed money
- Doctoral scholarships (PODS, Adopt-a-Doc)
- Early career development programs
- Extramural and intramural grants
- Department
- Private foundations
  - Office of sponsored projects
- Local government and community agencies
- Industry
  - Projects that can be done without funding

Research Knowledge
- Graduate education
- Collaborations
- Continuing education
- Institutional academies/workshops
- Research groups/clusters
- Guidelines for research publications

Support
- MENTOR
- Chair
- Library
- Computer services
- Statistical support
- Research administrator
- IRB
  - Notification of funding opportunities

Collaborators
- Principal investigators
- Colleagues
  - Department
  - Other disciplines/departments
  - Other institutions

Subjects
- Case reports
- Focused literature reviews; systematic reviews
- Chart reviews
- Public databases
- Book chapters
- SoTL
  - Engagement
Lab Space
- Do work that does not require lab
- Negotiate
- Join with other investigators who have labs
- Team up with a clinic

Ethics in Research
- IRB approval
  - Confidentiality of data
  - Consent from patients and students
- Clinical trials registration
- Original and accurate work
  - Data fraud
  - Plagiarism
- Conflict of interest

Summary
- Reflect
- Network
- Find mentors
- Enjoy yourself
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References


Trial Registries
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