



Duke DPT Education Innovation Lab

 **Duke** University
School of Medicine

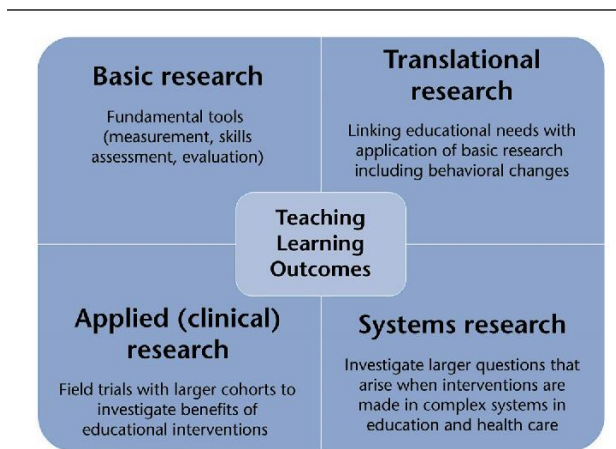
Doctor of Physical Therapy



Education Innovation Lab Goals

- To foster an evidence-based approach to teaching and learning

UniScope		DISCOVERY of Knowledge	INTEGRATION of Knowledge	APPLICATION of Knowledge	EDUCATION Transmission of Knowledge
The FORMS of Scholarship	TEACHING Scholarship	<ul style="list-style-type: none"> course innovation course improvement conceptual insights from course preparation or discussion faculty insights from Supervision of theses and dissertations 	<ul style="list-style-type: none"> cross-disciplinary teaching multi-disciplinary teaching integrative courses capstone courses, e.g. Astro-biology; Science, Technology and Society (STS); Community and Economic Development 	<ul style="list-style-type: none"> course innovation course improvement conceptual insights from course preparation or discussion faculty insights from Supervision of theses and dissertations 	<ul style="list-style-type: none"> course innovation course improvement conceptual insights from course preparation or discussion faculty insights from Supervision of theses and dissertations
	RESEARCH Scholarship	<ul style="list-style-type: none"> basic research original works evaluation research 	<ul style="list-style-type: none"> multi-disciplinary and integrative research cross-disciplinary teams integration of creative works from several fields 	<ul style="list-style-type: none"> applied research policy research performances of original works demonstrations technical assistance 	<ul style="list-style-type: none"> student laboratories thesis and dissertation research (the objective is educating students about the research process and methods)
	SERVICE Scholarship	<ul style="list-style-type: none"> participation in task forces, think tanks and other problem solving activities creative, theoretical, or conceptual insights as a result of service to society 	<ul style="list-style-type: none"> academic governance assistance to corporations, government and communities that involves integration across disciplines 	<ul style="list-style-type: none"> leadership in professional societies peer review activities editorship of journals and professional publications assistance in ones' field to groups, corporations, organizations, government and communities academic administration 	<ul style="list-style-type: none"> student advising and career counseling advising student activities and organizations mentoring students internships service learning expert testimony and consultation



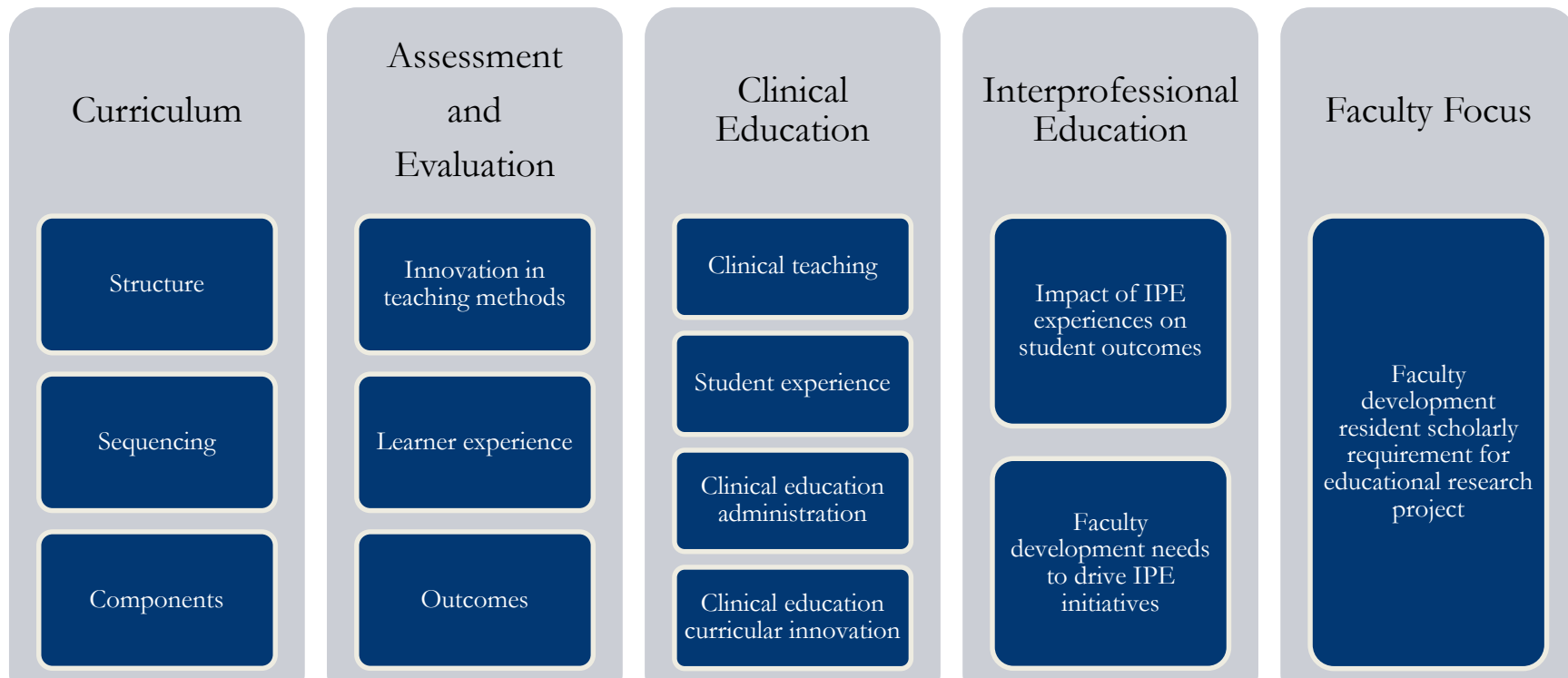
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[Hyman, D., Gurgevich, E.A., Alter, T.R., Ayers, J., Cash, E., Fahline, D.E., Gold, D.M., Herrmann, R.W., Jurs, P.C., Roth, D., Swisher, J., Whittington, M.S., & Wright, H.M. \(2010\). Beyond Boyer: The UniSCOPE Model of Scholarship for the 21st Century.](#)

Jensen, G., Nordstrom, T.M., Segal, R., McCallum, C., Graham, C.L., & Greenfield, B.H. (2016). Education Research in Physical Therapy: Visions of the Possible. *Phys Ther*, 96, 1874 - 1884.



Education Innovation Lab Areas of Focus



Justice, Equity, Diversity, and Inclusion (JEDI)



Faculty with Education Research Focus and Training



Katie Myers, PT, DPT ,PhD
Co-Director of Clinical Education; Assistant Professor in Orthopaedic Surgery, Core Faculty



Jamie L. Greco, PT, DPT, EdD
Co-Director of Clinical Education: Coordinator of Faculty Development Residency; Assistant Professor in Orthopaedic Surgery, Core Faculty



Tiffany N. Adams, PT, DPT, MBA, PhD
Director of Diversity, Equity, and Inclusion; Assistant Professor of Orthopaedics, Core Faculty



J. Kyle Covington, PT, DPT, PhD
Director of Educational Innovation; Director of Post-Professional Education; Associate Professor in Orthopaedic Surgery, Core Faculty



Kelly Reynolds, PT, DPT, NCS, PhD
Medical Instructor in Orthopaedic Surgery, Core Faculty



Faculty Development Residency

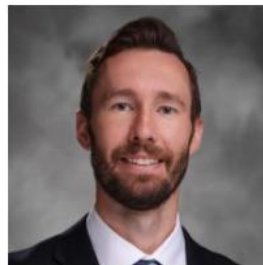
- Education research scholarly project



**Jake Awruch, PT, DPT,
OCS, FAAOMPT**
*Faculty Development
Resident; Instructor,
Medical Center*



Robin M. Baker, PT, DPT
*Faculty Development
Resident; Instructor,
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Rob Farrell, PT, DPT
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**Courtney Jeffries, PT,
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**J.D. Sheppard II, PT, DPT,
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*Faculty Development
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Medical Center*

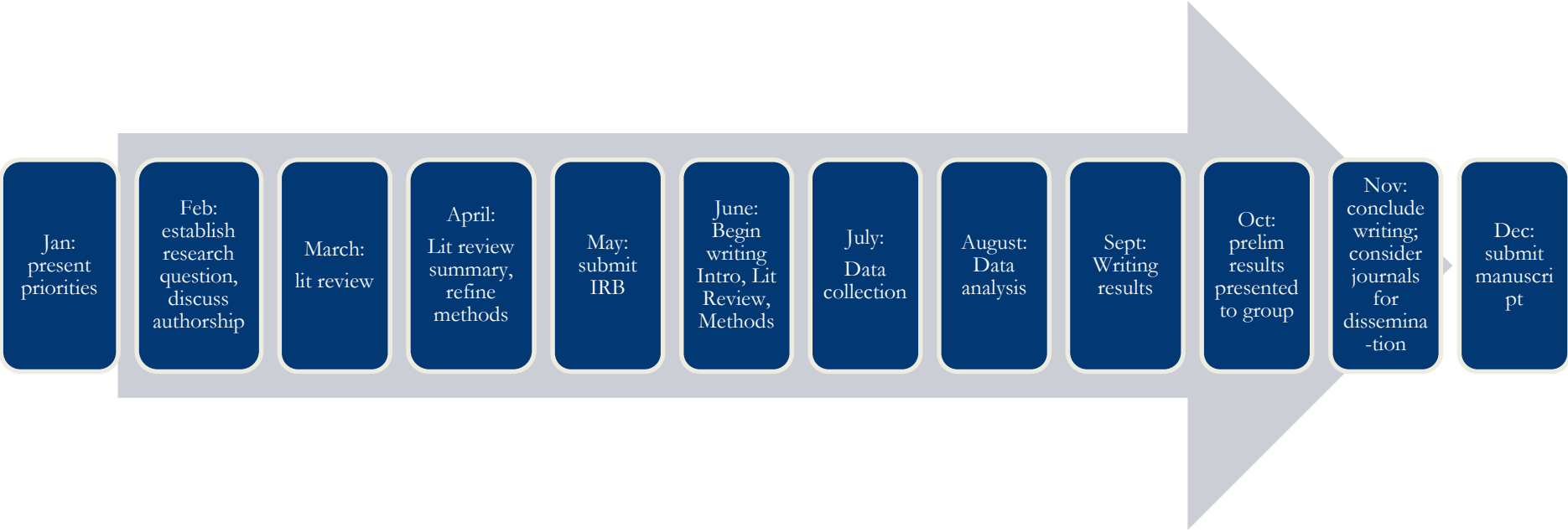


Education Innovation Lab Meetings

- Education Research Roundtables monthly
 - Generate ideas for group research projects
 - Work collaboratively to pose and refined education research questions
 - Time for mentorship and discussion



Sample Project Timeline





Current Project

- Qualitative study
- Mentoring of junior faculty, residents, and those less familiar with qualitative methods
 - E.g., Participating in developing and writing a research question, IRB process, survey development, development of an interview guide



Future Goals

- Replicate group research process with other research designs
- Mentoring novice faculty for different methods of dissemination (conference dissemination, manuscript writing)
- Have multiple projects going simultaneously
- Apply for funding and mentor junior researchers on applying for education research grants



Funding

- 5% effort for scholarship even without extramural funding
- Intramural grants
 - Duke Department of Orthopedic Surgery Research Grant
 - Duke Center for Instructional Design Curricular Development Grant
 - Duke IPEC Grant
- Start up funding for pilot research or funding for innovative projects that will generate new evidence, new ideas, and/or new approaches for improving health professions education in the following areas:
 - Wellness for learners and their associated team of health professions educators
 - Health humanities curricula and experiences
 - Justice, Equity, Diversity, and Inclusion strategies for educators
 - Addressing climate change as health professions educators
 - 2 funding tiers—up to \$5000, up to \$10,000





Facilitators

- Institutional support
 - Internal grant opportunities
 - APT track: Practice of Medical Education
 - Internal centers/groups supporting education research
- Program Champions
- Dedicated Education Research GA



Duke Doctor of Physical Therapy

Moving forward. Climbing higher.

