Objectives

• Appreciate the difference between a PhD and Clinical doctorate in Clinical Laboratory Science (DCLS).

• Describe the clinical experience of the DCLS student.

• Compare the clinical experience approaches utilized by Rutgers University and University of Texas Medical Branch (UTMB).

Clinical Practice Doctorate vs. PhD

<table>
<thead>
<tr>
<th></th>
<th>Advanced Practice Doctorate</th>
<th>Clinical Doctorate (e.g. DPT)</th>
<th>Graduate Entry Level Professional Degrees (e.g. PA)</th>
<th>Clinical Master Degree</th>
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<tr>
<td>100% of overall credits are research related</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<td>75% of overall credits are research related</td>
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<td>Candidacy Exam</td>
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<td>Dissertation</td>
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<tr>
<td>Teach &amp; Apply EBP Principles</td>
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<td>Applied Research Project</td>
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<td>X</td>
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<td>Clinical Expertise</td>
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<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Required to licensure or 1st credential to practice</td>
<td>X</td>
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</table>

What is a DCLS?

• PhD in CLS vs DCLS, what’s the difference?
  • PhD -
    • Focus is on research
    • Little to no clinical component/advanced practice component
  • DCLS -
    • Focus on advanced practice with a Clinical Experience/Residency
    • Research associated with advanced clinical practice and clinical application

• Who offers the DCLS?
  • Rutgers University, New Jersey
  • University of Texas Medical Branch (UTMB), Galveston
  • University of Kansas Medical Center (KUMC), Kansas City
  • Recently approved program. First class to start Fall 2019.

DCLS Professional Responsibilities cont.

1. Provide patient-centered, customized consultation services on appropriate test selection and interpretation for the purpose of clinical decision-making among the interdisciplinary healthcare team and for the patient.

2. Monitor laboratory data, test utilization, and diagnostic testing processes for individual patients and populations using informatics and analyses to reduce diagnostic errors, improve efficiency, and reduce costs.

3. Conduct research and apply evidence to demonstrate clinical utility of laboratory tests and algorithms and to improve the quality, efficiency, and safety of the overall diagnostic testing process.

4. Educate health care providers, patients, their families, and the general public on the indications, patient preparation, and interpretation of clinical laboratory testing, including home self-testing.

5. Direct laboratory operations to comply with all state and federal laws and regulations, as well as guidelines determined by professional boards of licensure, certification and accreditation agencies.

6. Participate in public and private health policy decision making at all organization and government levels.
DCLS Program Overview

80 credits - post BS - http://shp.rutgers.edu/dept/CLS/index.html
- Theoretical (online): 57 credits; FT & PT options
  - 1 yr. FT residency – 23 credits

Curriculum:
- Advanced Clinical Laboratory Science Core
- Professional Core
- Research Core
- Clinical Residency Core
- Doctoral Research Project

Diagnostics Consultation Model©
- Establishes a framework for DCLS to address the quality gap in clinical laboratory services delivery
  - Defines activities related to quality and value improvement in clinical laboratory services delivery
  - Gathers and analyzes the evidence to determine best practices
  - Operationalizes the practice of the DCLS
    - DCLS as active members of interprofessional health care teams in a variety of settings
    - Consultation Model functions are consistent among other healthcare service providers (e.g., nurses, docs, phms)
  - Implementation strategies (consumer populations, provider system organization, analytics and data sources) will differ among settings

UTMB DCLS

Graduate
- Clinical Doctorate
- 3-5 years in length
  - Total program: 75 credit hours
  - 9 credit hours (Fall/Spring) 7 credit hours (Summer)
  - Part-time/Full time
  - Competency based curriculum

Let’s meet the “Students”

Brandy Gunsolus
- First DCLS graduate Nationwide!

Julie Soder
- Completed 3 of the 4 clinical experiences
We want to hear from you!

Text ReneeHodgkin149 to 22333 to join. Then text us your questions!
Or join via the web at PollEv.com/reneehodgkin149