Undergraduate Interdisciplinary Certificate in Clinical Research Management – Expanding the research workforce while enhancing education
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Background
• In mid-2018, Eli Lilly expanded their local clinical research staff, adding 100 positions. Within 4 months, the IU Simon Cancer Center lost ~20% of their research professional workforce, impacting the ability to conduct critical clinical trials.
• Other IU research divisions experienced similar losses.

Objectives
• Expanding the available research workforce.
• Reduce the cost of staff turnover by providing foundational training to future job candidates.
• Introduce students to a new potential career path.

Methods
• Collaborate with IUPUI School of Health of Human Science to develop undergraduate certificate program
• Research existing programs
• Compile job data
• Recruit industry partners
• Gain support from institutional leadership

Results
• Learning objectives defined and mapped to existing courses

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<thead>
<tr>
<th>Learning Objective</th>
<th>Course</th>
<th>Credits</th>
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<tr>
<td>Critically evaluate study design and data collection strategies</td>
<td>HIM-M 425 Quantitative Analysis of Health Information</td>
<td>3</td>
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<td>Identify and manage potential conflicts of interest in research</td>
<td>HSC-W 314 Ethics and Health Professionals</td>
<td>3</td>
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<td>Develop a working knowledge of bioethical principles that guide clinical research</td>
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<td>Explain the IRB review and approval process</td>
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<td>Define and differentiate studies requiring exempt, expedited, and full-board review</td>
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<td>List major principles needed to ensure data safety and security.</td>
<td>INFO-I 330 Legal and Social Informatics of Security</td>
<td>3</td>
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<td>Describe the security procedures needed to ensure compliance with HIPPA and FERPA</td>
<td>INFO-B 483 Security and Privacy Policies and Regulations for Healthcare</td>
<td>3</td>
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<td>Participate in subject consent, screening, and eligibility verification</td>
<td>KINE-P499 Undergraduate Research in Physical Education</td>
<td>3</td>
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Discussion
• We realized the win-win, with the certificate program introducing students to a new potential career path while hopefully reducing the cost of staff turnover for IU SOM research units

Next Steps
• Full proposal undergoing final revisions with goal to launch program spring 2021
• Developing companion internship in the IUSCCC Clinical Trials Office
• Participate in IUPUI Career Fairs
• Track progress and future careers of candidates

Collaborators
IUPUI Health and Human Sciences
• Dr. Rafael Bahamonde - Dean
• Dr. Mark Urtel – Chair Kinesiology
• Laura Masterson – Director of Student Success
IUSCCC
• Mario Contreraz – CTO Administrator
• Sandra Milescu
ELAM
• Deborah DeWaay

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