Principles and Practices of Early-Phase Translational Research  
Short Course in Research Translation from the Stanford CTSA Innovation Accelerators  
March 21 - 23, 2016

<table>
<thead>
<tr>
<th>PROCESS OF TRANSLATION (March 21, 2016)</th>
<th>ELEMENTS OF TRANSLATION (March 22, 2016)</th>
<th>CASE STUDY IN TRANSLATION (March 23, 2016)</th>
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</table>
| 9:00-9:15 Introduction to the Course  
Steven Goodman, MD, MHS, PhD | 8:30-8:45 Introduction to the Day  
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Steven Goodman, MD, MHS, PhD |
| 9:15-10:00 Principles & Practices of Biodesign: A Case Example  
Paul Yock, MD | 8:45-9:30 Discovery Platforms to Clinical Assays  
Holden Maecker, PhD | 9:00-10:30 Novel Therapies in Cancer - a Case Study Discussion  
Shivaani Kummar, MD  
Suki Padda, MD |
| 10:00-10:45 Principles & Practices of SPARK: A Case Example  
Daria Mochly-Rosen, PhD | 9:30-10:45 Telcyta - A Case Study on the Process of Creating a Drug  
Steven Schow, PhD | |
| 10:45-11:00 BREAK | 10:45-11:00 BREAK | 10:30-10:45 BREAK |
| 11:00-11:45 Principles & Practices of SPADA: an Investor/Entrepreneur Perspective  
David Hanzel, PhD | 11:00-11:45 Regulation & Health Economic Value Assessment: Two Critical Aspects  
Jan Pietzsch, PhD | 10:45-1:15 Academic Shark Tank! Mock Pitch & Review Session  
Review Panel:  
David Hanzel, PhD  
Steve Schow, PhD  
Dean Felsher, MD, PhD  
Steven Goodman, MD, MHS, PhD |
| Transdisciplinary Initiatives | 11:45-12:30 Early Stage Entrepreneurship and Digital/Mobile Health  
Marta Zanchi, PhD | |
| 11:45-12:05 Joseph Wu, MD, PhD | | |
| 12:05-12:25 Dean Felsher, MD, PhD | | |

RESEARCH METHODOLOGY

| 1:15-2:15 Essential Methods in Clinical Research  
Rita Popat, PhD | 1:15-2:00 Intellectual Property and Innovation Counseling  
James Shay, JD |
| 2:15-3:15 Design of First-in-Human Trials  
Ying Lu, PhD | 2:00-3:00 Research Ventures and Licensing  
Ximena Ares, PhD |
| 3:15-3:30 BREAK | 3:00-3:15 BREAK |
| 3:30-4:30 Evaluating Technologies in Diagnosis, Prediction & Screening  
Steven Goodman, MD, MHS, PhD | 3:15-4:00 Ethics of Human Investigation  
Mildred Cho, PhD |

Questions?  
Anandi Krishnan, PhD  
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