

# 5-Day Biodesign Bootcamp



1st April to 5th April 2019, 0900H - 1730H/1800H



**Seminar Room 3, Level 7  
(4 Fusionopolis Way, Kinesis, Singapore 138635)**



**Academia: SGD 4,000/ pax (GST Included)  
Industry: SGD 5,000/ pax (GST Included)**

Singapore Biodesign enhances health and medical technology innovation capabilities of industry and medical professionals through hands-on learning with real-world case studies. This Biodesign Innovation Process bootcamp will guide participants towards commercialization and healthcare adoption.

The Biodesign Innovation Process provides a systematic approach to the identification of important unmet healthcare needs, the development of novel technologies to address them, and the subsequent development of commercialization plans to bring them into patient care.

At the end of this bootcamp participants should be able to:

1. Define and evaluate an unmet healthcare need with consideration of factors affecting its impact.
2. Invent and assess the viability of potential solutions.
3. Develop and present a credible plan towards technology commercialization.

To apply and for APACMed members' 20% discount / for special rates (> 2 pax), email us at [SSBEnquiry@scei.a-star.edu.sg](mailto:SSBEnquiry@scei.a-star.edu.sg).

Supporting Organization:  **APACMed** ASIA-PACIFIC  
MEDICAL TECHNOLOGY  
ASSOCIATION

**SINGAPORE BIODESIGN**

Joint Programme Partner of Stanford Byers Center of Biodesign

# DAY 1

0900H Welcome and Introduction to Biodesign  
1000H Tea Break  
1030H DSTM Exercise: Deriving a Need  
1130H Need Specification Overview  
1200H Lunch  
1300H Concept Generation  
1400H Concept Screening Part I: Introduction  
1500H Tea Break  
1530H Concept Screening Part II: Hands On  
1630H Introduction to Commercialization Journey and Next Steps  
1730H End

# DAY 2

0900H Asian Case Study: Importance of Contextualizing  
1000H Tea Break  
1030H Group Hands-On Exercise: Needs Filtering  
- Needs Statement Development  
- Disease State Fundamentals  
- Stakeholder Analysis  
- Solutions Landscape  
- Market Analysis  
1230H Lunch  
1330H Needs Selection  
1400H Need review and Development of Need Criteria  
1500H Tea Break  
1530H Concept Generation and Initial Concept Selection  
1630H Concept Development  
1730H End

# DAY 3

0900H INVENT Part I: Intellectual Property Basics and Strategy  
1000H Tea Break  
1030H INVENT Part II: Regulatory Basics and Strategy  
1200H Lunch  
1300H INVENT Part III: R&D and Product Development Strategy  
1500H Tea Break  
1530H INVENT Part IV: Business Model Basics and Strategy

# DAY 4

0900H INVENT Part V: Rapid Prototyping and R&D Risk Identification  
1000H Tea Break  
1015H INVENT Part V: Presentation of Prototype and Key Risks  
1100H IMPLEMENT Part I: Quality Systems Regulation  
1200H Lunch  
1300H IMPLEMENT Part II: Reimbursement Strategy  
1500H Tea Break  
1530H IMPLEMENT Part III: Planning and Design of Clinical Trials  
1630H IMPLEMENT Part IV: Business Model Canvas

# DAY 5

0900H Pitch Fundamentals  
1000H Tea Break  
1030H Pitch Preparation: Hands-On Session  
1200H Lunch  
1300H Pitch  
1630H Networking + Drinks Reception  
1730H End