

# INNOVATION TRAINING WORKSHOPS

Jointly organized by

SINGAPORE  
BIODESIGN



## DATE & TIME

### RUN 1

Monday - Friday  
2 Aug - 6 Aug 2021  
9:00am - 6:00pm

### RUN 2

Monday - Friday  
14 Feb - 18 Feb 2022  
9:00am - 6:00pm

## COURSE FEES

inclusive of GST

**Original Price:** SGD 5,617.50

After Discount

SC < 40yo & SPRs: SGD 1,685.25

SC ≥ 40yo & Enhanced training  
support for SMEs: SGD 635.25

## BIODESIGN BOOTCAMP: DEEP DIVE INTO HEALTHTECH INNOVATION WITH AN END IN MIND

This Biodesign 5-day Bootcamp will guide participants through the Biodesign Process of Identify, Invent and Implementation towards an understanding of commercialization and healthcare adoption. This holistic approach begins from the onset of innovation through a series of case studies, real-world hands-on exercises and interaction with guest practitioners to the development of participants' acumen for real world implementation. The Biodesign Innovation Process is an established systematic approach to the identification of important unmet healthcare needs, the invention and development of novel solutions, and the subsequent development of commercialization plans to implement solutions into practice.

This course is catered for innovation teams in the conceptualisation phase or are early in their POC journey who wish to get more in-depth knowledge of the medtech innovation process and at the same time, rub shoulders with domain experts in the ecosystem. We welcome medtech innovators from all walks of life with a medtech project in mind or those who wish to learn the nuances behind creating an impactful medtech innovation.



### How to register?

Simply scan the QR Code and register or use the link below

[https://bit.ly/SB\\_Bootcamp\\_Registration](https://bit.ly/SB_Bootcamp_Registration)

Should you encounter any issue, please email us at [sbenquiry@hq.a-star.edu.sg](mailto:sbenquiry@hq.a-star.edu.sg).

# Biodesign Bootcamp: Deep Dive Into HealthTech Innovation With An End in Mind

## Course Agenda (Tentative)

### Participants are expected to:

- Articulate the Biodesign Process of Innovation and understand how to apply it as an iterative process for innovating healthcare solutions
- Define and evaluate an unmet healthcare need with consideration of factors affecting its impact
- Invent and assess the viability of potential solutions in relation to the competitive landscape and user requirements
- Develop an understanding of key implementation factors that can affect downstream adoption of healthcare solutions such as regulatory, reimbursement, pricing and business models
- Craft a credible pitch and plan towards technology commercialization

## Day One

<b>0900H - 0930H</b>	Session 1: Opening and Introduction
<b>0930H - 1000H</b>	Session 2: Overview of workshop
<b>1000H - 1030H</b>	Session 3a: Researching on Needs
<b>1030H - 1130H</b>	Session 3b: Filling up of DSTM worksheet
<b>1130H - 1200H</b>	Session 4: Need Criteria
<b>1200H - 1300H</b>	Lunch
<b>1300H - 1330H</b>	Session 5a: Concept Generation / Initial Concept Screening
<b>1330H - 1430H</b>	Session 5b: Brainstorm!
<b>1430H - 1500H</b>	Session 6: Overview of Concept Screening
<b>1500H - 1530H</b>	Break
<b>1530H - 1630H</b>	Session 6a: Concept Screening worksheets
<b>1630H - 1700H</b>	Session 7: Debrief

## Day Two

<b>0900H - 0930H</b>	Session 8: Needs presentation
<b>0930H - 1000H</b>	Session 9: Introduction to DSTM template
<b>1000H - 1030H</b>	Tea Break / Class self introduction
<b>1030H - 1130H</b>	Session 10: Asian Case Study
<b>1130H - 1300H</b>	Lunch + Session 9a: Need Research
<b>1300H - 1330H</b>	Session 11: Preparation for Need Specification exercise
<b>1330H - 1430H</b>	Session 12: Need review and development of need criteria
<b>1430H - 1500H</b>	Session 12a: Sharing of Need Criteria
<b>1500H - 1530H</b>	Tea Break
<b>1530H - 1630H</b>	Session 13: Concept Generation and Initial Concept Selection
<b>1630H - 1700H</b>	Session 14: Concept development and debrief

## Day Three

<b>0900H - 0930H</b>	Session 15: Review of Day 2 and Opening
<b>0930H - 1000H</b>	Session 16: Concept sharing on what was developed in Day 2
<b>1000H - 1030H</b>	Tea Break / Class Self introduction
<b>1030H - 1100H</b>	Session 17a: IP Fundamentals
<b>1100H - 1200H</b>	Session 17b: IP in Asia
<b>1200H - 1300H</b>	Session 17c: IP Exercise + Lunch
<b>1300H - 1330H</b>	Session 18a: Regulatory Fundamentals
<b>1330H - 1430H</b>	Session 18b: Regulatory Affairs in Asia
<b>1430H - 1500H</b>	Session 18c: Regulatory Exercise + Tea Break
<b>1500H - 1600H</b>	Session 19a: Business models innovation in Asia
<b>1600H - 1630H</b>	Session 19b: Business models exercise
<b>1630H - 1700H</b>	Session 20: Medtech Innovation in Asia: Validating Needs and concepts

## Day Four

<b>0900H - 0930H</b>	Session 21: Concept Exploration and Testing
<b>0930H - 1000H</b>	Session 21b: Prototype Planning
<b>1000H - 1030H</b>	Tea Break / Energizer
<b>1030H - 1100H</b>	Session 21c: Presentation of prototype
<b>1100H - 1130H</b>	Session 22a: Reimbursement Fundamentals
<b>1130H - 1230H</b>	Session 22b: Market Access to China
<b>1230H - 1300H</b>	Lunch
<b>1300H - 1330H</b>	Session 23: Final Concept Selection
<b>1330H - 1400H</b>	Session 24: Recap and Next Steps
<b>1400H - 1500H</b>	Session 25: R&D Strategy, Design Control
<b>1500H - 1530H</b>	Tea Break
<b>1530H - 1600H</b>	Session 26: Clinical trials fundamentals
<b>1600H - 1700H</b>	Session 27: Case studies of clinical trials

## Day Five

<b>0900H - 0930H</b>	Session 28: Ops Plan and Financial Modeling
<b>0930H - 1030H</b>	Session 29: Implementation in Asia
<b>1030H - 1100H</b>	Session 30: Funding landscape
<b>1100H - 1200H</b>	Session 31: Preparation for presentation
<b>1200H - 1300H</b>	Lunch
<b>1300H - 1400H</b>	Session 31: Preparation for presentation
<b>1400H - 1600H</b>	Session 32: Presentations
<b>1600H - 1700H</b>	Session 33: Fireside Chat
<b>1700H - 1730H</b>	Session 34: Closing



# UPCOMING WORKSHOPS

Our courses cover a wide range of topics in the HealthTech and MedTech industry and are designed for professionals looking to up-skill or re-skill themselves in the healthcare innovation space.

**RUN 1:** 6 Sep 2021

**RUN 2:** 7 Mar 2022

GMS\_BD1DPD An Introduction to Product Development and Quality Management Systems for Health/MedTech Innovations (1 day)

**RUN 1:** 4 Oct 2021 - 5 Oct 2021

**RUN 2:** 4 Apr 2022 - 5 Apr 2022

GMS\_BD2DDTHI Design Thinking for Healthcare Innovation: Focusing on Identifying and Inventing for the Unmet Need (2 days)

**RUN 1:** 1 Nov - 3 Nov 2021

GMS\_BD3DBMI Business Model Innovation for Healthcare Innovations (3 days)

**RUN 1: 26 Nov 2021**

GMS\_BD1DFFHI Fundraising Fundamentals for Healthcare Innovations (1 day)

**RUN 1: 13 Dec 2021 - 14 Dec 2021**

GMS\_BD2DBIHMT Business Implementation for Health/MedTech: Project to Market Overview (2 days)

**RUN 2: 17 Jan 2021**

GMS\_BD1DDT Design Thinking for Healthcare Innovation: An Overview (1 day)

To find out more,  
EMAIL: [SBEEnquiry@hq.a-star.edu.sg](mailto:SBEEnquiry@hq.a-star.edu.sg)  
WEB: <https://www.a-star.edu.sg/sb>

