### Radical Theme: Biological Interventions

#### PROJECT 2

**Feedback Presentations**
- September 15, 2015
- September 22, 2015
- September 29, 2015
- October 6, 2015
- October 20, 2015
- October 27, 2015
- November 3, 2015
- November 10, 2015
- November 17, 2015
- November 24, 2015
- December 1, 2015
- December 8, 2015

#### Presentations
- September 15
- September 22
- September 29
- October 6
- October 20
- October 27
- November 3
- November 10
- November 17
- November 24
- December 1
- December 8

### Introduction

Beyond Pixels: Tangible Bits + Radical Atoms Overview

**Overview**
- Programmable Materials 1: PneUI, Jamsheets
- PneUI, Jamsheets Workshop

### Radical Atoms and the Future of Interfaces

#### Workshop

Workshop
- Radical Theme: Shape Displays
- Shape Displays Workshop
- Radical Theme: Soft Actuation
- Radical Theme: Various Types of Actuation
- Radical Theme: Across Scales
- Radical Theme: Kinetic Systems
- Radical Theme: Intelligent Interfaces

#### Presentations

- **WEEK 1**
  - Radical Atoms with Pneumatic Actuation
  - Radical Atoms with Various Types of Actuation

- **WEEK 2**
  - Radical Atoms with Various Types of Actuation
  - Radical Atoms with Pneumatic Actuation

- **WEEK 3**
  - Radical Atoms with Pneumatic Actuation
  - Radical Atoms with Various Types of Actuation

- **WEEK 4**
  - Radical Atoms with Various Types of Actuation
  - Radical Atoms with Pneumatic Actuation

- **WEEK 5**
  - Radical Atoms with Pneumatic Actuation
  - Radical Atoms with Various Types of Actuation

- **WEEK 6**
  - Radical Atoms with Various Types of Actuation
  - Radical Atoms with Pneumatic Actuation

- **WEEK 7**
  - Radical Atoms with Pneumatic Actuation
  - Radical Atoms with Various Types of Actuation

- **WEEK 8**
  - Radical Atoms with Various Types of Actuation
  - Radical Atoms with Pneumatic Actuation

- **WEEK 9**
  - Radical Atoms with Pneumatic Actuation
  - Radical Atoms with Various Types of Actuation

- **WEEK 10**
  - Radical Atoms with Various Types of Actuation
  - Radical Atoms with Pneumatic Actuation

- **WEEK 11**
  - Radical Atoms with Pneumatic Actuation
  - Radical Atoms with Various Types of Actuation

- **WEEK 12**
  - Radical Atoms with Various Types of Actuation
  - Radical Atoms with Pneumatic Actuation

### Projects

#### Project 1: Pneumatic Augmentation of Body, Object or Space

Design a radical application for pneumatic actuation and sensing under the umbrella of either the body, object or space.

#### Project 2: Radical Augmentation of Body, Object or Space

Design a radical application combining any form of actuation and sensing under the umbrella of either the body, object or space.

### Speakers

- Hiroshi Ishii
- Jifei Ou
- Ken Nakagaki
- Luke Vink
- Daniel Leithinger
- Hiroshi Ishii
- Viir Kanan
- Xiao Xiu
- Kevin Galloway
- Skylar Tibbits
- Prof. F. Omenetto
- Penny Webb
- Dr. J. Romaneshen
- Arthur Gansen
- ArsAnton Kirsh
- Lin Bao
- Lin Xiong
- V. Yang
- Arthur C. Dendy
- Dr. J. Romaneshen
- Prof. F. Omenetto
- Penny Webb
- Dr. J. Romaneshen
- Prof. F. Omenetto
- Penny Webb
- Hiroshi Ishii