

# Senior Design Poster Presentations | Biological Engineering

**12/21/2017**

On December 11th, 2017 the Biological Engineering department's senior class presented their capstone research projects. In total 6 teams shared their research findings that have spanned over a year of their Undergraduate career with the Biological Engineering department at Utah State University.

[Check out their research in detail!](#)

## Team 1

Advisor: Tim Taylor

Team Members: Skyler Heiner, Cameron Lebaron, Ty Nicholas, Adreann Peel, David Redd, Joshua Wallace

## Team 2

Advisor: Dr. Yu Huang

Team Members: Adam Talbot, Melena Garrett, Elaine Castro, Christian Morrill, Holly Saatzer, Ian Wadsworth

## Team 3

Advisor: Tim Taylor

Team Members: Matthew Clegg, Garrett Jones, Paul Gilson, Jenny Smith, Jeremiah Woodall

## Team 4

Advisor: Randolph Lewis

Team Members: Tess Armbrust, Alexander Cook, Andrea Grebil, Matthew Potter, Rachel Quigley, Harsh Singh, Riannon Smith

## Team 5

Advisor: Charles Miller

Team Members: Taylor Anderson, Emily Jesgerz, Richard Klein, Andrew Merkley, Alaric Siddoway

## Team 6

Advisor: Ron Sims

Team Members: Ammon Balle, Jason Eldredge, Michael Flores, Kyle Hillman, Ammon Hooper, Jeffrey Jarman, Bethany Jensen, Tyler Lewis

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**Creative 3D Plant Optimization (C3PO) System**

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**Microfluidic Device for Decellularization of Murine Brain Slices**

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**SpringStepper: An Alternative to Traditional Crutches**

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**Designing a Synthetic Spider Silk Based Coating for Urinary Catheters to Reduce the Risk of CAUTIs**

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**Synthetic Snake Venom: The Novel Creation of Crotalid Phospholipase A2 Using Genetic Engineering**

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**Developing Technology for Environmental Response to Harmful Algal Blooms (HABs)**

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