

USF I-Corps Teams Selected for the National NSF I-Corps Program

Follow the links embedded in the titles to view the full project descriptions.

2013

[I-Corps: Commercialization of a Multi-Purpose Gripper](#)

Academic Lead: Redwan Alqasemi, College of Engineering
10/01/2013

2014

[I-Corps: Mobile Autonomous Remotely Controlled Observation Node \(MARCON\) Kit](#)

Academic Lead: David Fries, College of Marine Science
12/01/2014

[I-Corps: Software Suite for Quality-Control of Patterned Nanostructures](#)

Academic Lead: Sanjukta Bhanja, College of Engineering
09/01/2014

[I-Corps: Walking Crutch/Cane for Enhanced Assistance, Balance, and Control of Walking Dynamics](#)

Academic Lead: Kyle Reed, College of Engineering
07/01/2014

[I-Corps: Mobile and E-network Smart Health \(MESH\)](#)

Academic Lead: Hui Yang, College of Engineering
Co-Academic Lead: Jose Zayas-Castro, College of Engineering
07/01/2014

[I-Corps: Point of Care Biosensor for Quantification of Biomarkers in Bodily Fluids](#)

Academic Lead: Venkat Bhethanabotla, College of Engineering
05/01/2014

2015

[I-Corps Teams: Pathways to Market of Piezoelectric Elastomer Composites for Additive Manufacturing of Flexible 3D Conformal Acoustic Emission and Ultrasonic Transducer Arrays](#)

Academic Lead: Jing Wang, College of Engineering
12/15/2015

[I-Corps: Portable Autonomous Biomarker Sampling Technology \(PABST\)](#)

Academic Lead: David Fries, College of Marine Science
12/01/2015

[I-Corps: Mini Notched Turbine \(MiNT\)](#)

Academic Lead: Sylvia Thomas, College of Engineering
12/01/2015

[I Corp Teams: Travel Assistant Device \(TAD\)](#)

Academic Lead: Miguel Labrador, College of Engineering
11/01/2015

[I-Corps: Clean Water by Nature](#)

Academic Lead: Norma Alcantar, College of Engineering
09/15/2015

[I-Corps Teams: Novel Rapid Non-destructive Cell Culture Platform](#)

Academic Lead: Nathan Gallant, College of Engineering
Co-Academic Lead: Ryan Toomey, College of Engineering
08/15/2015

[I-Corps Teams: Pathways to Market for ICARUS Algae Cultivation and Harvesting Technology](#)

Academic Lead: Daniel Yeh, College of Engineering
07/01/2015

2016

[I-Corps: Semantic Video – From Video to Descriptions](#)

Academic Lead: Sudeep Sarkar, College of Engineering
8/15/2016

[I-Corps: Wireless Hands-Free Mobile Wheelchair Control Kit](#)

Academic Lead: Stephanie Carey, College of Engineering
8/8/2016

[I-Corps: A Mobile Health Secondary Prevention Program for Women with Heart Disease](#)

Academic Lead: Theresa Beckie, College of Nursing
8/1/2016

[I-Corps: Shape-Morphing Objects - A Platform for Innovation](#)

Academic Lead: Craig Lusk, College of Engineering
5/15/2016

[I-Corps Hemolix - Technology for detection of pregnancy complications](#)

Academic Lead: Anna Pyayt, College of Engineering
5/15/2016

[I-Corps: Investigating the Commercialization of Peer Review Tools and Writing Analytics](#)

Academic Lead: Joseph Moxley, College of Arts & Sciences
5/1/2016

[I-Corps: HeartMapp. A mobile app for patients with Heart Failure](#)

Academic Lead: Ponrathi Athilingam, College of Nursing
3/15/2016

[I-Corps: Commercialization of Novel CO2 Measurement Technologies](#)

Academic Lead: Robert Byrne, College of Marine Science
Co-Academic Lead: Xuewu Liu, College of Marine Science
1/1/2016

2017

[I-Corps: Scalable Conversion of Carbon Dioxide to Value-Added Commodity Chemicals](#)

Academic Lead: John Kuhn, College of Engineering

10/1/2017

[I-Corps: Improved Approach to Polymer Sintering](#)

Academic Lead: Nathan Crane, College of Engineering

7/1/2017

[I-Corps: Graphics Processing Unit-Based Data Management System Software](#)

Academic Leads: Yicheng Tu, College of Engineering

Co-Academic Lead: Kaushik Dutta, Muma College of Business

3/1/2017

[I-Corps: Algal-bacterial Wastewater Treatment Technology](#)

Academic Lead: Sarina Ergas, College of Engineering

3/1/2017

2018

[I-Corps: An Individualized 3D Printed Silicone Bottle Nipple](#)

Academic Lead: Rasim Guldiken, College of Engineering

7/1/2018

[I-Corps: Use of eHealth to Personalize Exergame Prescriptions](#)

Academic Lead: Hsiao-Lan Wang, College of Nursing

Co-Academic Lead: Dr. Srinivas Katkoori, College of Engineering

4/1/2018

2019

[I-Corps: A Smart Technology for Child Safety](#)

Academic Lead: Srinivas Katkoori, College of Engineering

3/15/2019

2021

[I-Corps: Transimpedance amplifier \(TIA\) for sensing systems that converts sensor current to voltage and amplifies the signal](#)

Academic Lead: Sylvia Thomas, College of Engineering

1/1/2021

[I-Corps: Extracellular matrix materials for use in creating tissue scaffolding to regenerate tissues](#)

Academic Lead: William Mondy, Taneja College of Pharmacy

1/15/2021

[I-Corps: Multimedia Augmented Reality Vocabulary Instruction](#)

Academic Lead: Sara Smith, College of Education

3/1/2021