

# Food Processing Platform Overview

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FDA/CFSAN

# Food Processing Platform - Scientists

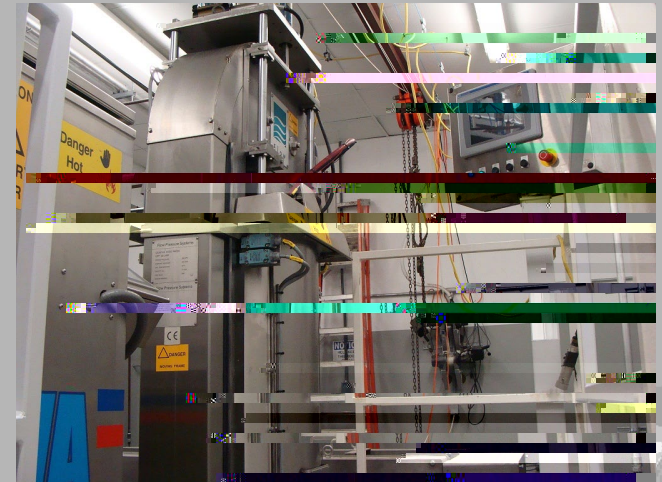
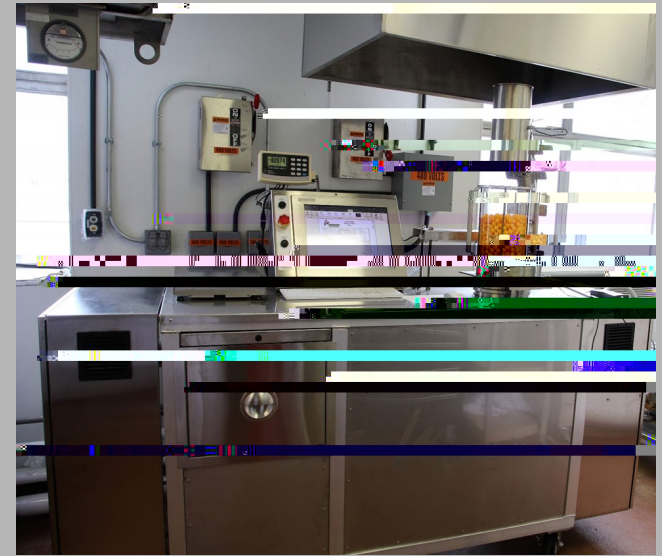
- Jason Wan – IIT/IFSH Platform Coordinator
- Glenn Black – FDA Platform Coordinator
- Nate Anderson – FDA
- Elizabeth Grasso-Kelley – FDA
- Lauren Jackson - FDA
- Greg Fleischman – FDA PI
- Catherine Rolfe – FDA PI
- TJ Fu – FDA PI
- Diane Stewart – FDA PI
- Joelle Salazar – FDA PI
- Megan Fay – FDA ORISE
- Arlette Shazer – FDA Scientist
- Travis Morrissey – FDA PI
- Bash Khouja – FDA ORISE
- Alvin Lee – IIT/IFSH Lead & PI
- Xiyang (Sunny) Liu – IIT/IFSH PI
- Ed Steiner – IIT/IFSH Facilities
- Josh Warren – IIT/IFSH Staff
- Bairu (Alicia) Chen – IIT FDSN PhD Student
- IIT MS Students

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# Food Processing Platform

## Objectives:

- Validate new processing technologies
- Compare critical parameters for effectiveness of novel processing technologies versus traditional systems



# IFSH Facilities Utilized Food Processing Platform

## BSL2/3 - Laboratories:

BSL3 Capable Lab for Select Agent  
With adjacent PP

Multiple BSL2 Labs containing small  
scale processing equipment

## Pilot Plants:

Extensive GMP Pilot Plant (registered)

Large bay Pilot Plant

Avure HPP

Allpax retort

Expansion bays

# Food Processing Platform Samples Projects 2023-24

- The effect of geometry on heat transfer to broccoli and cauliflower florets in blanching (Fleischman)
- Effect of Temperature and Airflow on Inactivation of *Enterococcus faecium* NRRL B-2354 in Apple Cubes During Hot Air Drying (Liu)\* #
- Enhancing legacy technologies (Anderson, Grasso-



# Recent Publications & Book Chapters