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## USF I-Corps Teams: Spring 2024 Cohort

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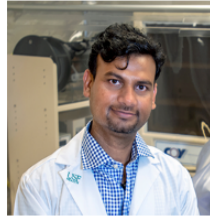


## Team 1: BactoSkin



## Yadav Team

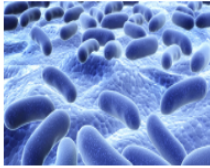
Team#1



Dr. Hariom Yadav  
Principal investigator  
Expertise: Microbiome,  
Pre- and post-biotics



Dr. Santosh Kumar Prajapati  
Entrepreneurial Lead  
Expertise: Formulation

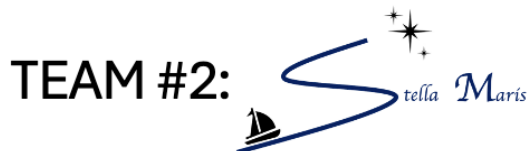


**BactoSkin**



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- PI: Hariom Yadav, Ph.D. / Morsani College of Medicine / Tampa
  - EL: Santosh K. Prajapati, Ph.D. / Postdoctoral Research Fellow / Tampa

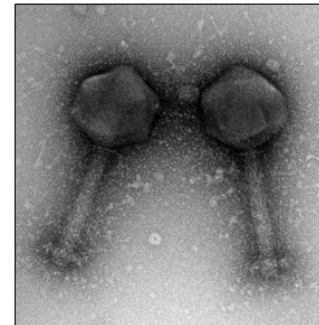
## Team 2: Stella Maris



Daniel Czyz (*chysh*), PhD  
Principal Investigator



Garrett Ellward  
Entrepreneurial Lead



*Stella Maris is a startup company specializing in harnessing bacteriophages for targeting gut microbiota to remove detrimental bacteria that contribute to the pathogenicity of neurodegenerative diseases and chronic inflammation.*

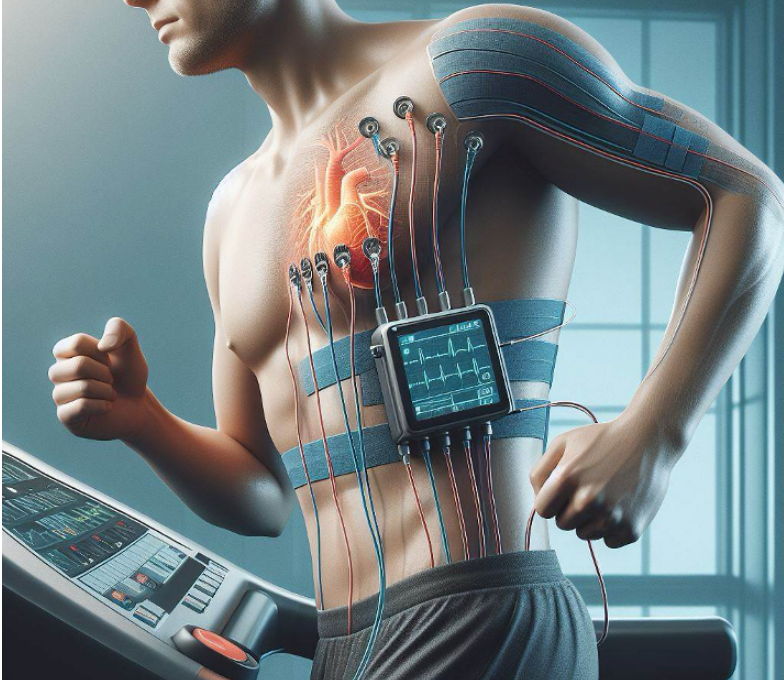
- PI: Daniel Czyz, Ph.D. / University of Florida
- EL: Garrett Ellward / UF Student

(Key) PI: Principal Investigator

EL: Entrepreneurial Lead

M: Mentor

### Team 3: CardioProX





**Real-time AI-enabled Cardiovascular Assessment for Heart Disease Detection**

**Dr. Shone Almeida, MD, FACC**  
Faculty, Cardiovascular Science,  
USF Morsani College of Medicine.

**Dr. Ravi Sankar, Ph.D., P.E.**  
Faculty, Department of Electrical  
Engineering,  
USF College of Engineering.

**Ruchira Pratihar, MSEE**  
Graduate student, Dept. of EE,  
USF College of Engineering.

  **Team III**

- PI: Shone Almeida, M.D. / Morsani College of Medicine / Tampa
- PI: Ravi Sankar, Ph.D. / College of Engineering / Tampa
- EL: Ruchira Pratihar / USF Student / Tampa

### Team 4: Bridge Repair Solutions

## Bridge Repair Solutions

### Team #4

NSF I-CORP – University of South Florida



▶ **Rapid Repair Shell System**



**Zachary Haber**  
**Principal Investigator**  
Assistant Professor



**Leonardo Burity**  
**Entrepreneurial Co-Lead**  
M.S Student



**Liahneli Gonzalez-Diaz**  
**Entrepreneurial Co-Lead**  
B.S.C.E Student

- PI: Zachary Haber, Ph.D. / College of Engineering / Tampa
- EL: Leonardo Burity / USF Student / Tampa
- EL: Liahneli Gonzalez-Diaz / USF Student / Tampa

## Team 5: Project TutoringGPT

# Project TutoringGPT

Elevating Personalized Experiences in Online Learning Settings



PI Bo Pei, Ph.D.  
Expertise: AI in Education,  
Educational Data Visualization



EL Zhaowei Zhang  
Expertise: Online Learning,  
Learning Motivation

Team 5  
PI Bo Pei, Ph.D.  
EL Zhaowei Zhang  
Zhang  
UNIVERSITY of  
SOUTH FLORIDA

- PI: Bo Pei, Ph.D. / College of Education / Tampa
- EL: Zhaowei Zhang / USF Student / Tampa

## Team 6: Proboject


### Proboject (Team 6)

#### Situated projector-robot system:


With a projector, people will know what robots do & will do right at the situation.




UNIVERSITY of  
SOUTH FLORIDA



**Zhao Han**  
Assistant Professor  
(Computer Science),  
Principal Investigator



**Uthman Tijani**  
PhD Student,  
Entrepreneurial Lead



**Hong Wang**  
PhD Student,  
Entrepreneurial Lead

- PI: Zhao Han, Ph.D. / College of Engineering / Tampa
- EL: Uthman Tijani / USF Student / Tampa
- EL: Hong Wang / USF Student / Tampa

## Team 7: RxGuard

### RxGuard Team #7



*A device that provides an additional layer of protection against intentional or accidental ingestion of medications*



**Jenny Huynh, M.D.**  
Principal Investigator



**Youssef Mohamed, Ph.D.**  
Entrepreneurial Co-Lead



**John Major, B.S.**  
Entrepreneurial Co-Lead

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- PI: Jenny Huynh, M.D. / Morsani College of Medicine / Tampa
  - EL: Youssef Mohamed, Ph.D. / USF Student / Tampa
  - EL: John Major / NSU Student / Nova Southeastern University

**(Key)**

PI: Principal Investigator

EL: Entrepreneurial Lead

M: Mentor