
USF I-Corps Teams: Spring 2025 Cohort



Team 1: Vapalyze

ModuVap3D



Portable Vaper Analysis Device: Vapalyze

A small hand-held device capable to assess components within vaporized chemicals like e-cigarettes



Team 1 Members:

- Diane Allen-Gipson, Ph.D. (Principal Investigator; PI; USF Faculty;
- USF Health Taneja College of Pharmacy(TCOP);
- Dept of Pharmaceutical Sciences)
- Sophia R. Claymore, B.A, B.S. (Entrepreneurial Lead; EL;
- TCOP MSPN Graduate Student)
- Mohan Rao, Ph.D. (Mentor; Consultant)
- Supporting Members: USF Advanced Visualization Center (AVC);
- Howard Kaplan, Ph.D.; SM and Lucas Tometich



Diane Allen-Gipson, PI

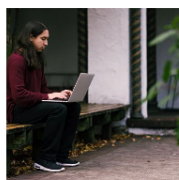
Sophia R. Claymore, EL

- PI: Diane Allen-Gipson, Ph.D. / Taneja College of Pharmacy / Tampa
- EL: Sophia Claymore / USF Student / Tampa
- M: Mohan Rao / USF / Tampa

Team 2: Co-Marketer



Marketing Strategy Made Simple



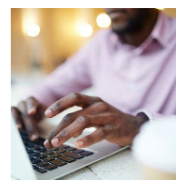
1

A simple and proven method:
Evaluate your business strategy and receive expert advice.



2

Identify key focus areas:
Move from diagnosis to action by prioritizing based on business impact



3

Track your plans:
Monitor the progress of action plans and manage your team to unlock your business growth.

Web: <https://co-marketer.com/> | Platform users: <https://platform.co-marketer.com/login>



USF I-CORPS Program | Spring 2025 | Team #2



Andrew Artis, Ph.D.
Principal Investigator



Andrew Hafer, DBA
Mentor



Juan Harraca, DBA
Entrepreneurial lead



Jay Civitillo, DBA
Entrepreneurial lead

- PI: Andrew Artis, Ph.D. / Muma College of Business / Tampa
- EL: Juan Harraca, DBA / Muma College of Business / Tampa
- EL: Jay Civitillo, DBA / Muma College of Business / Tampa
- M: Andrew Hafer, DBA / Muma College of Business / Tampa

(Key)

PI: Principal Investigator

EL: Entrepreneurial Lead

M: Mentor

Team 3: MannBiome



A SaaS based solution for transforming
Microbiome Data into Actionable Health Insights



Dr. Hariom Yadav
Principal Investigator
Expertise: Microbiome



Bhavya Reddy Seerapu
Entrepreneurial Lead
Expertise: Software development



Vamsi Kummaragunta
Entrepreneurial Lead
Expertise: Software Development



Rohit Shukla
Entrepreneurial Lead
Expertise: Microbiome

- PI: Hariom Yadav, Ph.D. / Morsani College of Medicine / Tampa
- EL: Bhavya Reddy Seerapu / USF Student / Tampa
- EL: Vamsi Kummaragunta / USF Student / Tampa
- EL: Rohit Shukla, Ph.D. / USF / Tampa

Team 4: Probiotic Fermented Milk (PFM)



Probiotic fermented milk (PFM)

"Advancing Gut Health Through Patent-Pending Probiotics"



4 human-
origin bacteria

Optimization of
growth and
fermentation
conditions

Fermented
milk drink

USF Patent
Application filed,
disclosure no. 22A112



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USF 2025 I-Corp Team 4:



Dr. Shalini Jain, PI



Brandi C. Miller, EL



Diana Shapiro, Mentor



Joe Hansley, Mentor

- PI: Shalini Jain, Ph.D. / Morsani College of Medicine / Tampa
- EL: Brandi Miller / USF Student / Tampa
- M: Diana Shapiro / USF / Tampa
- M: Joe Hansley / USF / Tampa

(Key)

PI: Principal Investigator

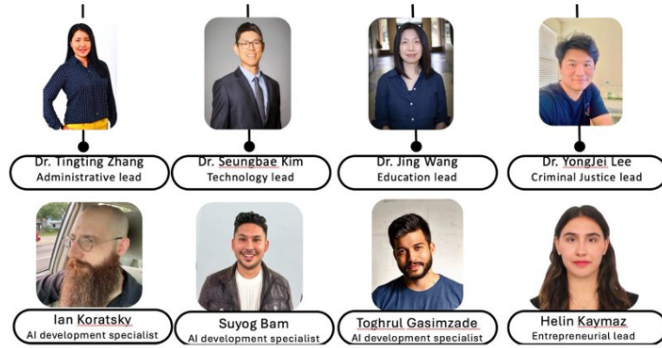
EL: Entrepreneurial Lead

M: Mentor

Team 5: BeaconGuard



Team #5 “Real-Time Monitoring System, Real-Word Learning for Teenagers with **BeaconGuard**”



- PI: TingTing Zhang, Ph.D. / Muma College of Business / Tampa
- EL: Helin Kaymaz / USF Student / Tampa

Team 6: Identityx



An AI-powered biometric platform that uses facial and gait recognition to accurately identify objects or individuals.



Mauricio Pamplona Segundo
PI / Technical Lead



Cole Hill
Entrepreneurial Team Lead



Seng sun
Business Mentor

- PI: Mauricio Pamplona Segundo, Ph.D. / College of Engineering / Tampa
- EL: Cole Hill / USF Student / Tampa
- M: Seng Sun / USF / Tampa

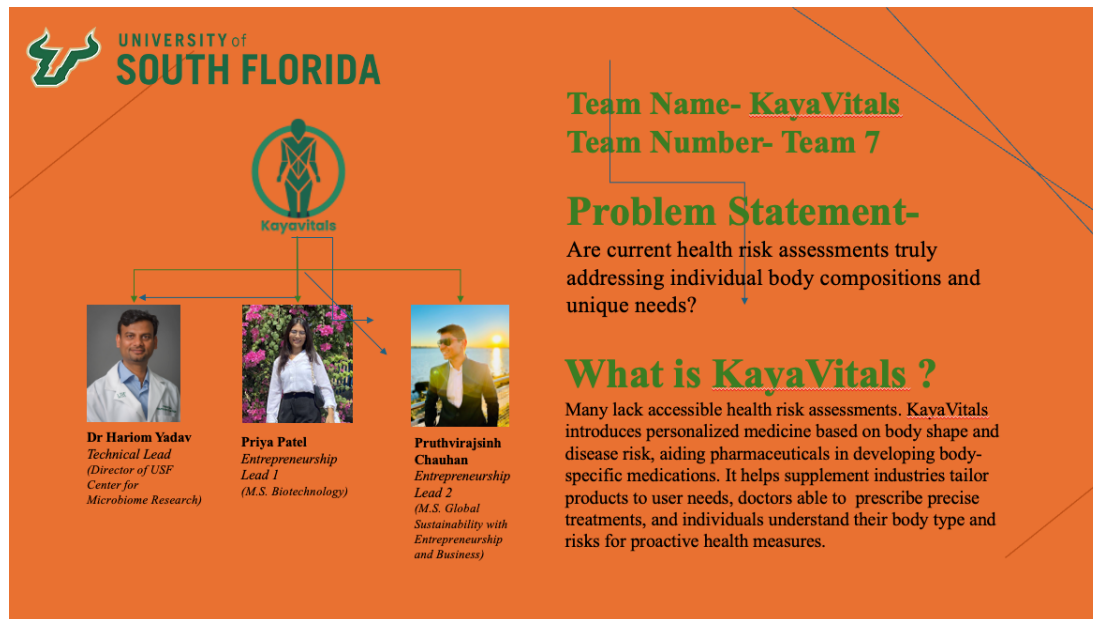
(Key)

PI: Principal Investigator

EL: Entrepreneurial Lead

M: Mentor

Team 7: KayaVitals



The slide features the University of South Florida logo at the top left. In the center is a diagram showing a person's silhouette with internal organs, labeled 'KayaVitals', connected by lines to three team members below. On the right, text describes the team and their problem statement.

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Team Name- KayaVitals
Team Number- Team 7

Problem Statement-
Are current health risk assessments truly addressing individual body compositions and unique needs?

What is KayaVitals ?
Many lack accessible health risk assessments. KayaVitals introduces personalized medicine based on body shape and disease risk, aiding pharmaceuticals in developing body-specific medications. It helps supplement industries tailor products to user needs, doctors able to prescribe precise treatments, and individuals understand their body type and risks for proactive health measures.

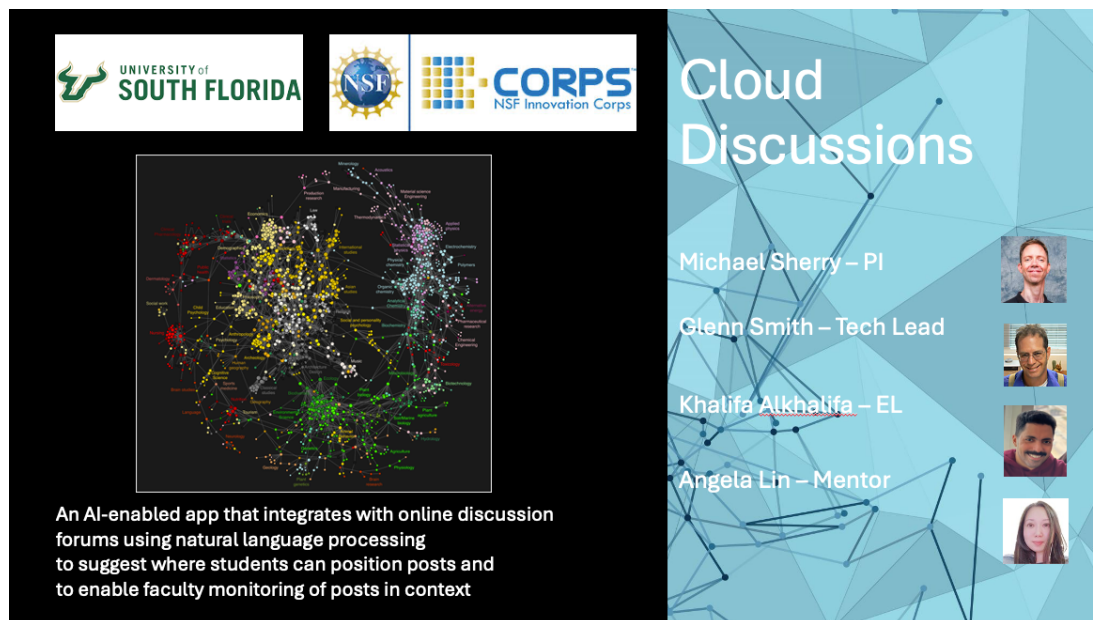
Dr Hariom Yadav
Technical Lead
(Director of USF Center for Microbiome Research)

Priya Patel
Entrepreneurship Lead 1
(M.S. Biotechnology)

Pruthvirajsinh Chauhan
Entrepreneurship Lead 2
(M.S. Global Sustainability with Entrepreneurship and Business)

- PI: Hariom Yadav, Ph.D. / Morsani College of Medicine / Tampa
- EL: Priya Patel / USF Student / Tampa
- EL: Pruthvirajsinh Chauhan/ USF Student / Tampa

Team 8: Cloud Discussions



The slide features logos for the University of South Florida, NSF, and NSF Innovation Corps at the top left. On the right, the title 'Cloud Discussions' is displayed above four team members' names and photos. On the left, a large, complex network graph is shown, representing the AI-enabled app's functionality.

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Cloud Discussions

Michael Sherry – PI

Glenn Smith – Tech Lead

Khalifa Alkhalifa – EL

Angela Lin – Mentor

An AI-enabled app that integrates with online discussion forums using natural language processing to suggest where students can position posts and to enable faculty monitoring of posts in context

- PI: Michael Sherry, Ph.D. / College of Education / Tampa
- PI: Glenn Smith, Ph.D. / College of Education / Tampa
- EL: Khalifa Alkhalifa/ USF Student / Tampa
- M: Angelia Lin / USF / Tampa

(Key) PI: Principal Investigator EL: Entrepreneurial Lead M: Mentor