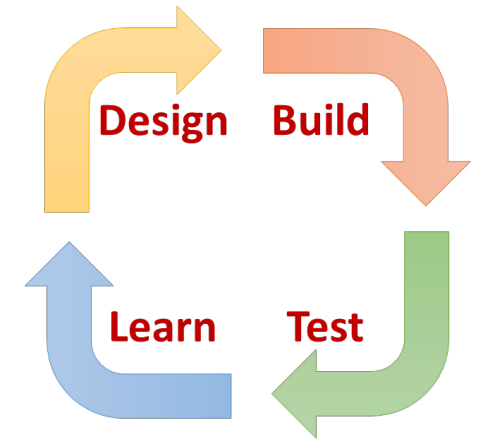


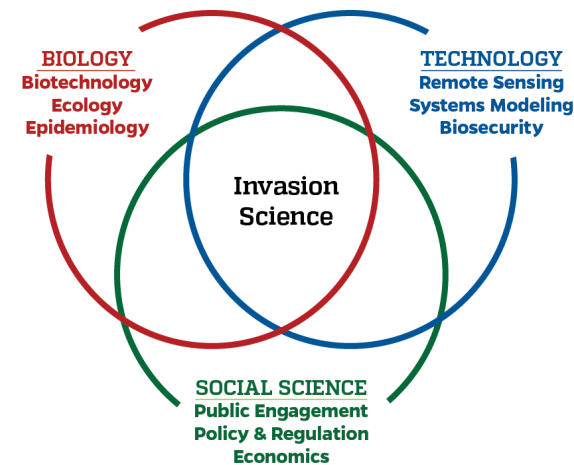
Synthetic Biology (SynBio) blends bioscience with engineering

- SynBio designs, builds, tests, and learns from products that do not exist in nature, at rapid pace and industrial scale
- Pfizer and Moderna COVID-19 vaccines are not found in nature – they were rationally designed and produced at industrial scale
- Ag SynBio – faster growth, more nutritious crops with less chemical inputs have been realized, or are on the near horizon



Invasion Science (IS) Global Hub integrates research and solutions

- Invasive species cause health epidemics, devastate agriculture, erode biodiversity, and threaten endangered species
- Florida is particularly vulnerable due to unique climate, commerce, tourism, extensive shorelines and major seaports
- UF is poised to coordinate action among multiple entities in prediction, early detection and effective response



Collaborators in UF/IFAS, HWCoe, VetMed, CLAS, COM
Senior faculty hires, Earmark requests in progress

UF/IFAS collaborating with _____ to address rural health disparities

- UF Clinical Translational Sciences Institute
 - National Un-Meeting for Rural Health Disparities
 - Community engagement focused efforts such as HHS Covid-19 MaB rollout and Vaccine education in rural NE counties
- UF Diabetes Institute
 - Telehealth Grant to promote access for rural patients
 - Diabetes risk reduction and lifestyle management
- UF Health Cancer Center
 - Financial toxicity in oncology patients
 - Asynchronous course development to be launched 2021
 - 3 ARM CRT using financial counseling
 - Working with NLP to predict this challenge for patients using EHR
 - Promoting access to care and screening in rural communities
 - Preventing teens from vaping (funded by Aetna Foundation)

