

SUPPORTING AGRICULTURE RELATED RESEARCH IN IRELAND



73 publications in 2017

23

collaborations between industry and active award holders

SFI has invested over

€115m

ACROSS **228** AWARDS

Fungi



are being tested as fertilisers for Barley by UCD researchers

Gold

is being used in IT Tallaght to develop “on-the-spot” detectors to measure cattle hormone levels, improving conception rates

Turnips



with better disease resistance are identified through NUI Maynooth protein stability studies

Manure

and brown bin waste are producing bioenergy in the Green Farm Programme led by NUI Galway



TEAGASC RESEARCHERS ARE DEVELOPING FARM MANAGEMENT SYSTEMS THAT USE **SENSORS** TO PROCESS DATA FROM GRASS AND ANIMALS

CONNECT & WIT's Smart Agriculture project uses **10,000 RADIO ENABLED SENSORS** across **175 ACRES** in Carriganore



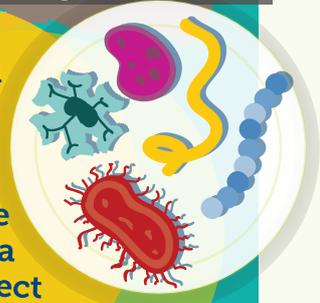
SFI Research Centre **CONNECT** are designing sensors for milking machines that test each part of a cow's udder for mastitis

UCD researchers are developing a vaccine for Liver Fluke infections by studying how the parasites interact with sheep and cattle

Molecules in milk are being used to detect **pregnancy** earlier in cows by **TEAGASC** researchers

TCD researchers aim to predict which plant species will be “**winners**” and “**losers**” from changes in the environment

SFI Research Centre APC Microbiome Institute study how the food we eat and bacteria in our gut affect our physical & mental health



UCC researchers are investigating how viruses infect bacteria used to make cheese and yoghurt causing food spoilage