

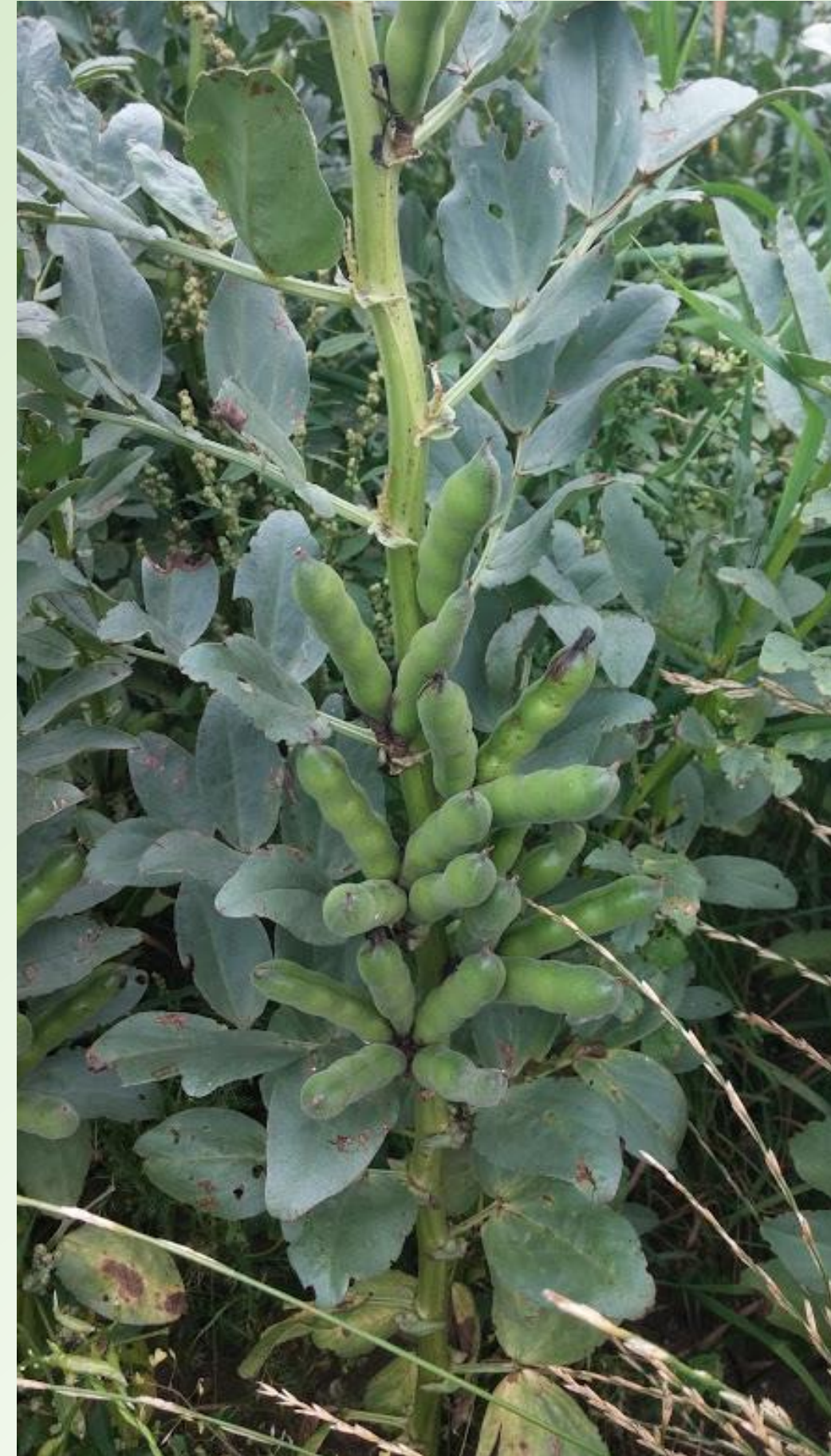
Legume Molecular Genetics and Genomics

Stig Uggerhøj Andersen, sua@mbg.au.dk
Department of Molecular Biology and Genetics, Aarhus University, Aarhus, Denmark

IMFABA

IMFABA focuses on faba bean drought stress and protein quality

Diversity panel profiles:
Seed proteomes
Seed transcriptomes
Protein content
Amino acid content

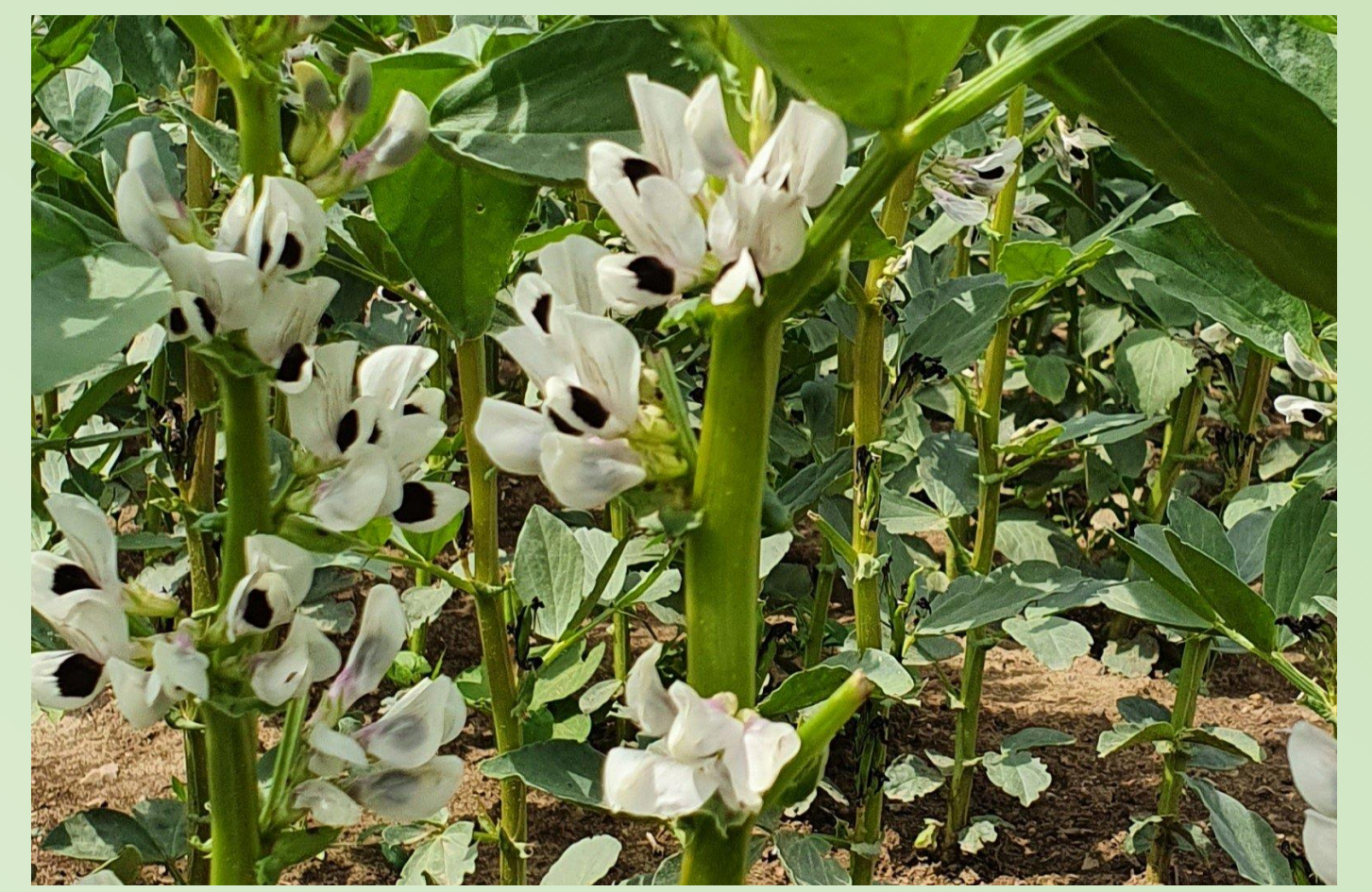


N2CROP

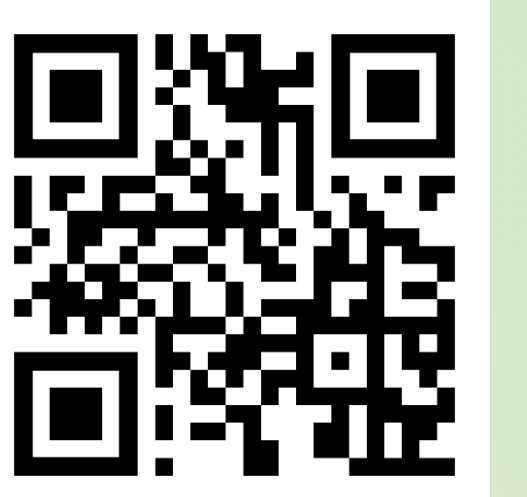
N2CROP focuses on faba bean crop modelling, intercropping, nitrogen fixation and protein bioavailability

Diversity panel profiles:
Seed carbohydrate composition
Seed antinutrients
Seed iso-seq
Seed protein digestibility

Method development:
Faba bean seed single-cell/nucleus and spatial transcriptomics
Crop models for faba bean intercropping
Faba bean gene editing



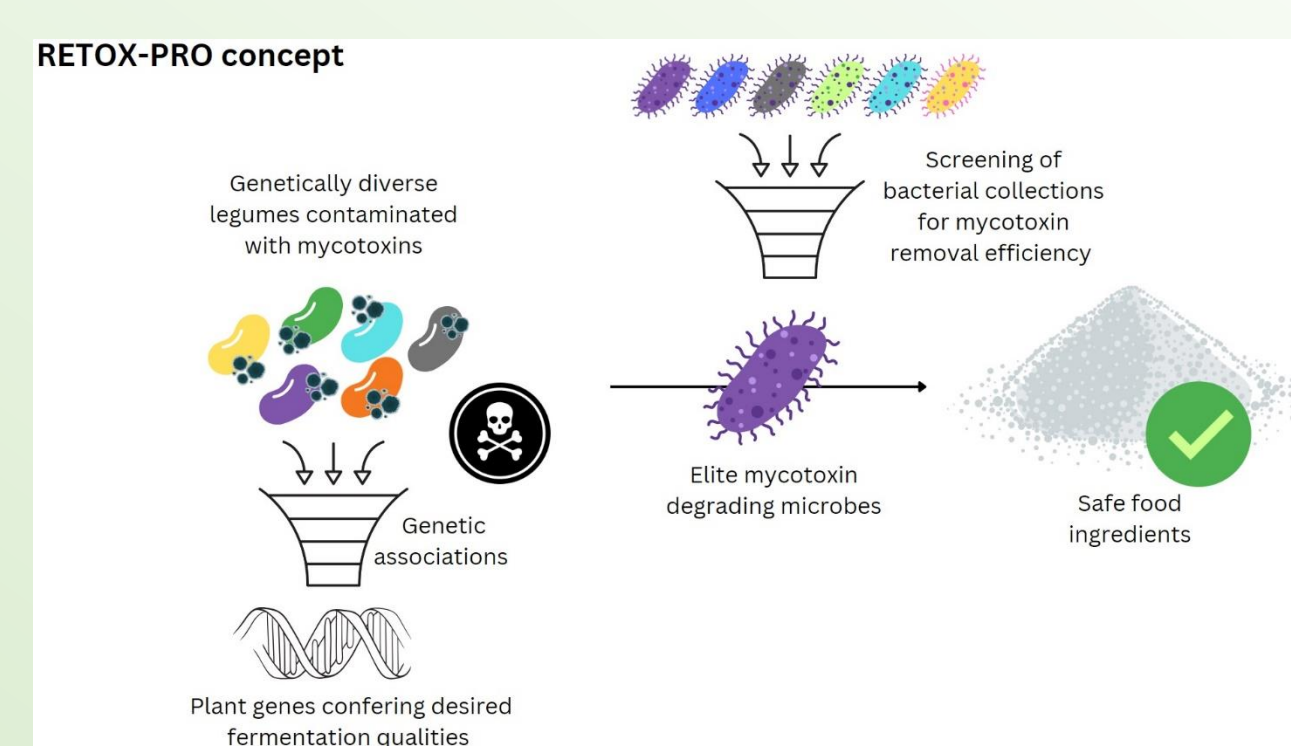
novo nordisk
fonden



RETOX-PRO

RETOX-PRO focuses on faba bean fermentation to remove mycotoxins

Diversity panel profiles:
Fermentation performance
Functional properties
pre/post fermentation



Root2Res focuses on root phenotyping and genetic improvement

Diversity panel profiles:
Faba bean root shovelomics



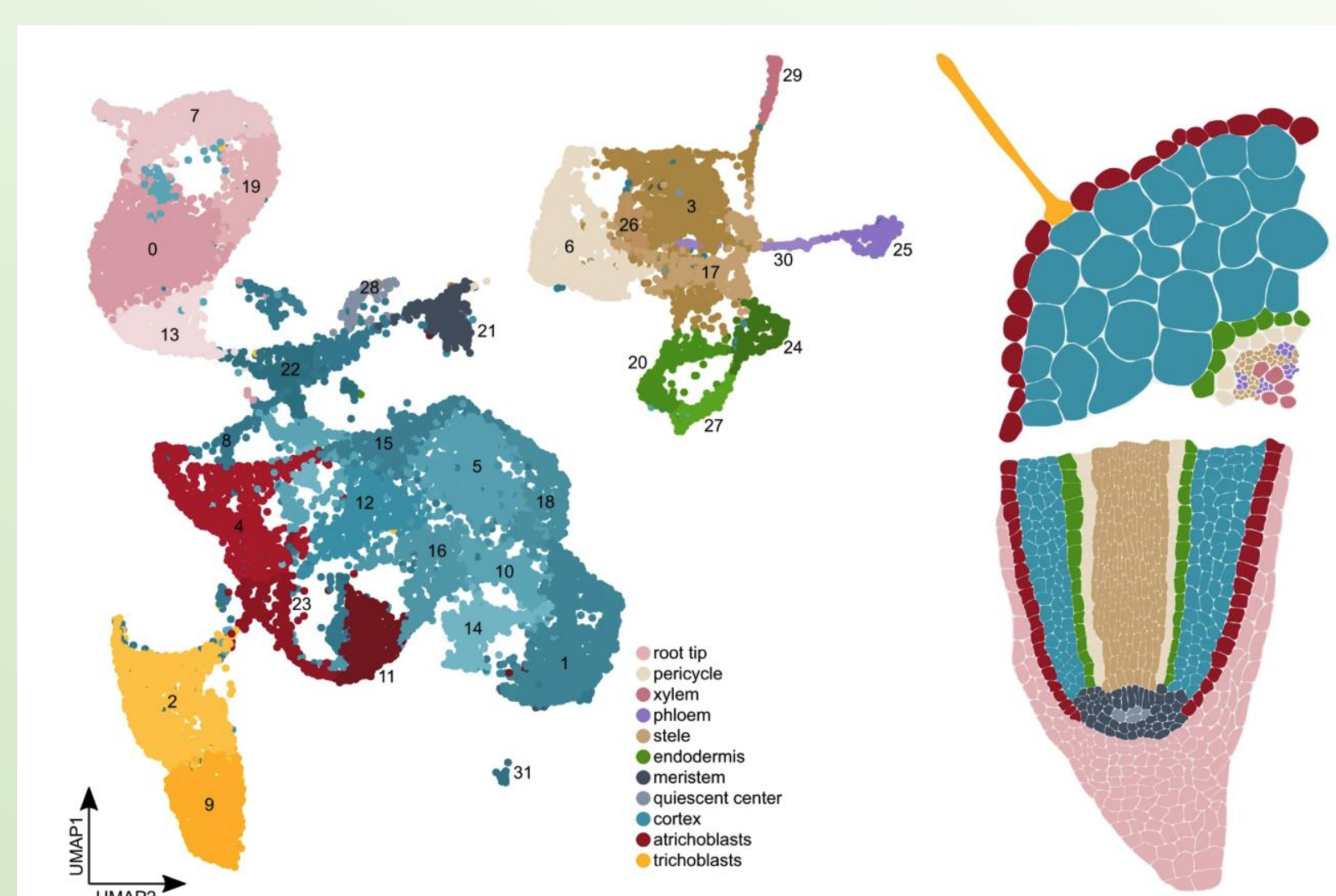
Funded by the
European Union



ENSA

ENSA focuses enabling nutrient symbiosis in agriculture

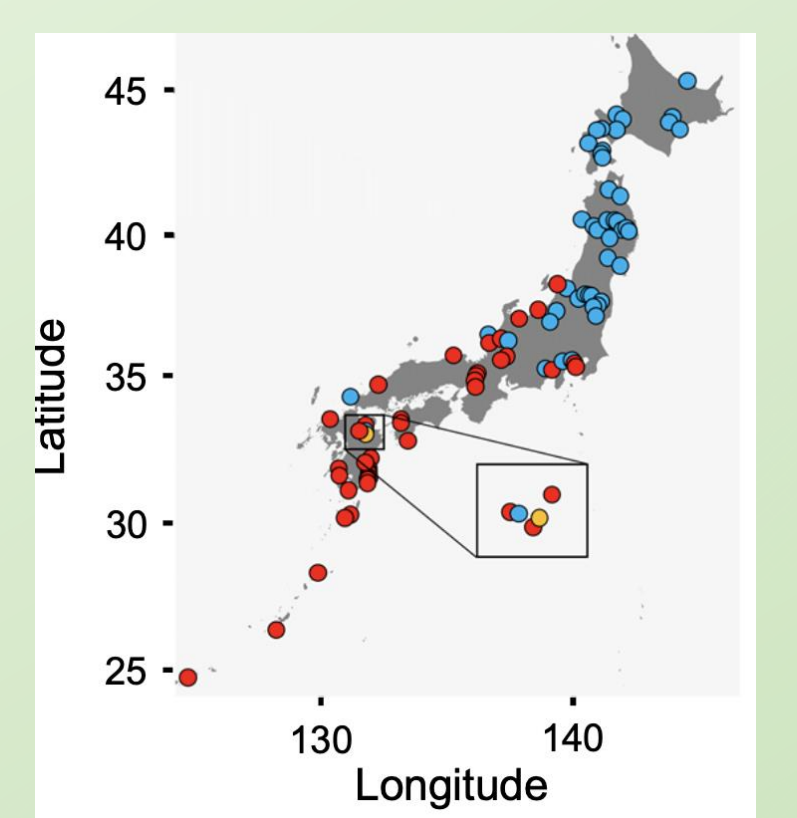
Our work uses single-cell sequencing and molecular genetics to discover plant genes controlling rhizobium infection



InRoot

InRoot focuses on plant-microbiome interactions

Our work uses natural variation to identify genes responsible for adaptation to the soil microbiome



novo nordisk
fonden



Research group
website



Google Scholar profile
for latest publications
and pre-prints