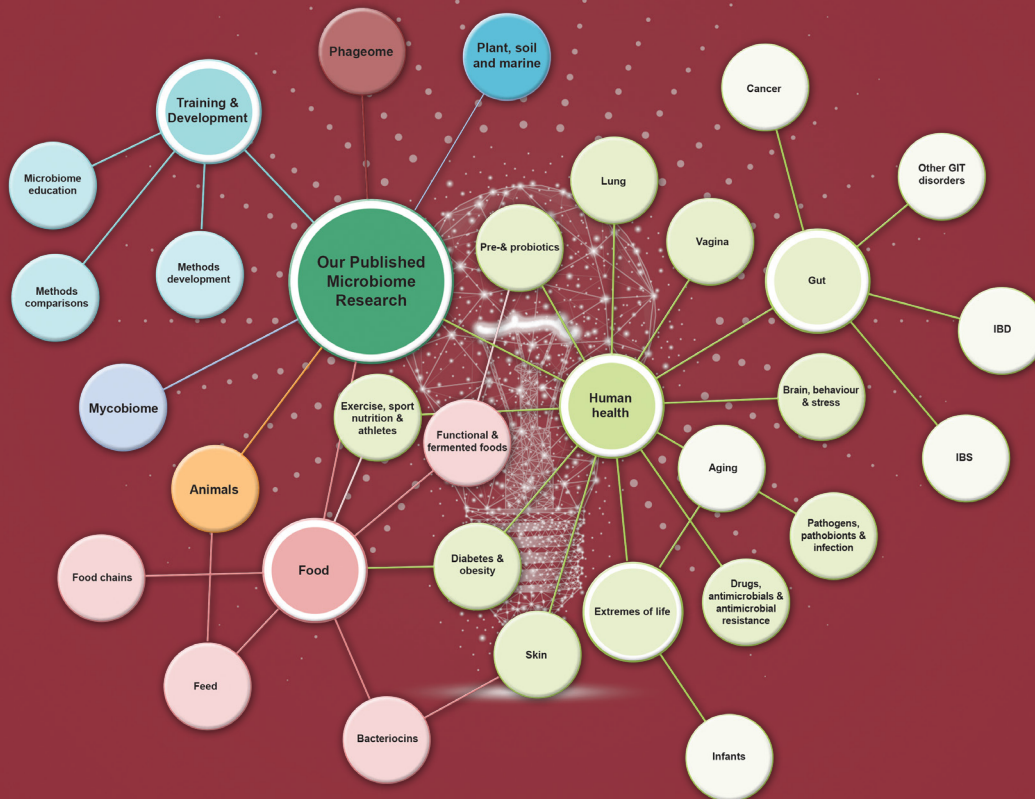


OUR EXPERTISE

- State-of-the-art sequencing & analysis SOPs
- High-quality, interactive & interpretative microbiome analysis to industry & academia
- APC Microbiome Ireland spin-out



Globally recognized know-how with over 45 year microbiome experience.

Prof Marcus Claesson
CEO and Co-founder

Prof Paul Cotter
CTO and Co-founder

SEQBIOME

Microbiome Analysis

Adding real value to your products and customers



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Why is Microbiome Analysis Important?



Academia

Academic laboratories are often limited in resources and expertise for 'blue skies' microbiome research.



Athletic nutrition

Athlete and sport nutrition organizations are using the gut microbiome as a means to increase performance and overall fitness.



Skin & cosmetics

The skin microbiome is receiving increasing attention from dermatological and cosmetic companies developing products and treatments.



Food fermentation

Fermentation increases quality, safety and health promoting attributes. Such health claims and their effects on the gut microbiome need to be validated (EFSA regulations).



Health & biotech

Genome characterization of live biotherapeutic strains (prebiotics, probiotics, synbiotics, postbiotics, antibiotics) to improve human and animal health.



Pharmaceutics

The pharmaceutical sector is increasingly investigating the microbiome for drug metabolism, stability and mode of action. This has also significant regulatory implications.



Nutrition & food production

The microbiome provides biocontrol agents across complex food chains and adds value to food waste streams. It also enhances nutrient uptake in crops and improves animal nutrition.



Clinical tools

Microbiome-based diagnostic and prognostic tools have clinical applications for personalized treatment strategies.

Partnering with leading companies and organizations including Nutrition, Pharmaceutical, Beauty, Healthcare, Sport & Academic sectors.

OUR SOLUTIONS



Statistical study design



Sample processing



Sequencing



Compositional and functional microbiome analysis



Biostatistical and bioinformatic analysis



Publication/patent ready outputs

Sequencing

- DNA extraction, library preparation and QC
- 16S rRNA amplicon sequencing
- Internal Transcribed Spacers (ITS) amplicon sequencing
- Shotgun metagenomics
- Meta-transcriptomics
- Sequencing on Illumina MiSeq, NextSeq & NovaSeq systems, Oxford nanopore Technology

Analysis

- Statistical study design & power calculations
- Compositional & functional microbiome publishable analysis, including analysis of specific genomes
- Biostatistical & bioinformatic analysis
- Interpretation & report with publishable display items