

COMPREHENSIVE MICROBIOLOGY & GENOMICS SOLUTIONS

A Fully Integrated Service Offering Providing Support for Microbiome Research

Services include both standard and customized sequence generation and data analysis, *in vitro* impact studies utilizing mock communities, preclinical & clinical microbiome impact studies and translational animal model development.

Please contact:

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EXPERT CONSULTING
SERVICES

INTEGRATED RESEARCH
PROGRAMS

EARLY STAGE / PILOT
PROGRAM SUPPORT

CRO PROJECT MANAGEMENT
SERVICES

DISCOVERY & PRECLINICAL
SERVICE PROVIDER NETWORK

CUSTOM SERVICES

Incubated at ILSE, Microgenomx focuses on advancing human health by providing innovative solutions through research, tools, and services.



MICROBIOME SERVICE OFFERINGS

Microbial Whole Genome and 16S Sequencing

- Bacterial, fungal, other eukaryotes, viral

Annotation and Bioinformatics Analysis

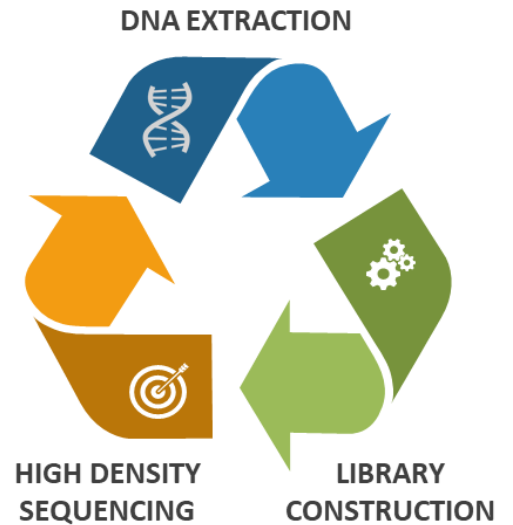
- Genomic, metagenomic & 16S, pathway analysis, population analysis

Preclinical & Clinical Microbiome Impact Studies

- Study design
- Microbiome/metagenome data generation & analysis
- Cultivation, characterization and repository / database of target organisms
- Microbiome-based clinical diagnostics

Custom Services

- Custom tagged strains, custom mock communities, anaerobic microbiology, microbiome sample preparation, clinical isolate libraries/databases



Mini-pig Model Development: for investigation of Microbiome Impact on inflammatory bowel disease, atherosclerosis, obesity and fatty liver disease.

The Mock Community Program: developing and assembling external controls for QC, and utilizing our working model for a synthetic fecal matrix for *in vitro* microbiome impact studies.

ILSE Collaboration Network: comprised of outstanding academic and industrial organizations and thought leaders supporting translational animal model development and clinical development.

