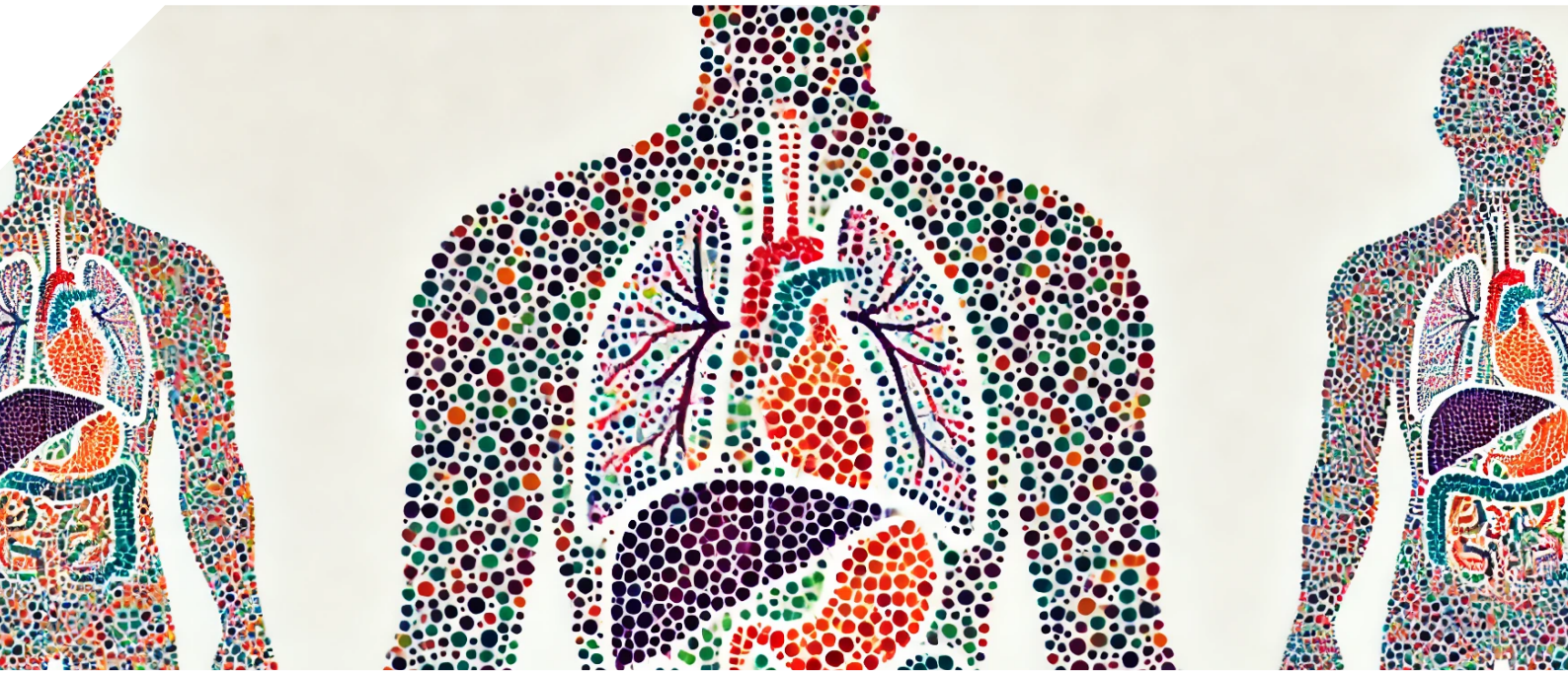




MULTI-OMICS - FOR NEXT GENERATION DIAGNOSTICS & PRECISION MEDICINE

Your partner for integrative biomarker analysis & personalized diagnostic solutions - AIT Molecular Diagnostics – your one-stop shop for multi-omics analysis. From assay development to high-throughput processing, bioinformatics, and validation of results – we provide end-to-end solutions from your biospecimens, fully tailored to your project needs

OUR SERVICES AND BEYOND

We provide a comprehensive multi-omics portfolio and support every step of your project, including experimental design, pre-analytics, and sample handling (controlled processing, aliquoting, and tracking), as well as bioinformatics. In addition, we offer confirmation and validation studies with targeted assays – from assay setup to efficient data analysis – to maximize the output from your samples.

- Unlock the full potential of your samples with our end-to-end multi-omics solutions. We support you from experimental design and sample logistics to advanced bioinformatics.
- Need validation? We offer custom assay development, confirmation studies, and expert advice to unleash the full potential from your data.

MULTIOMICS

Our comprehensive multi-omics platform covers all major molecular levels and integrates state-of-the-art technologies.

In Genomics, we provide genotyping, mutation detection, and next-generation sequencing using Illumina, PacBio, and Oxford Nanopore platforms, applied to both tissue samples (e.g. FFPE) and liquid biopsies (e.g. cfDNA).

Epigenomics services include DNA methylation profiling by arrays or NGS as well as biological age determination. Within Transcriptomics, we perform RNA-Seq from tissue and body fluids, covering mRNA, ncRNA, miRNA, and exosomal miRNA.

Our Proteomics & Immunomics capabilities feature OLINK® Proteomics panels (48–5400 targets), antibody profiling via protein and peptide arrays, Luminex bead-arrays, and PhIP-Seq.

Metagenomics expertise includes microbiome characterization, 16S/18S/ITS sequencing, resistance gene detection, and full metagenome analysis. For Metabolomics, we collaborate with specialized partners offering both mass spectrometry- and NMR-based solutions.



Our solutions & services at
molecular-diagnostics.ait.ac.at
or scan the QR Code.