LAB Maastricht UMC+
Laboratoria, Apotheek en Beeldvorming

Leading in Diagnostics and Imaging

Maastricht UMC+
About LAB Maastricht UMC+
LAB Maastricht UMC+ is the collaboration between:

- Central Diagnostic Laboratory (Clinical Chemistry, Hematology, Immunology)
- Clinical Genetics
- Clinical Pharmacy and Toxicology
- Medical Microbiology
- Nuclear Medicine
- Pathology
- Radiology
- Transplantation Immunology & Tissue Typing

LAB Maastricht UMC+ is a facility for biomedical analysis and pharmaceutical services within the Maastricht Health Campus.
Our Mission:

“LAB Maastricht UMC+ is the place in the South-East of the Netherlands where diagnostics and pharmaceutical services of the highest level are developed and offered to family doctors in the region, to hospitals in the Netherlands and to companies worldwide”
LAB Maastricht UMC+ offers you:

- >1000 skilled scientists, medical doctors and technicians.
- Biochemical, molecular, genetic, cellular and pharmaceutical analyses in human specimens like blood, tissue, urine, feces and tumors.
- Imaging services using the latest technologies in CT, (high-field) MRI, nuclear medicine, mammography and interventional radiology.
- Access to clinical specimens as well as “gold standard” techniques.
- Technical and scientific support in product development and validation.
- State of the art infrastructure and technologies.
- The only lab in the Netherlands allowed to perform embryo selection.
- Partnerships with Clinical Trial Center, Scannexus and Health Campus.

All part of the Maastricht University Medical Center, all certified for clinical diagnostics services, all under one roof!
Accreditations:

- “Coordination Commity for Quality management in Laboratory medicine” (CCKL)
- “Netherlands Institute for Accreditation in de Care” (NIAZ)
- European Federation for Immunogenetics (EFI)
- “Harmonization of Quality management in Care” (HKZ)
- Euprevent (Euregion Maas-Rhine)
Our departments
Central Diagnostic Laboratory:

Head: Prof. dr. Otto Bekers

- Clinical Chemistry, Hematology, Immunology, Blood transfusion services.
- 24/7 facility, largely automated.
- Large and diverse package of high-quality tests and analyses.
- Complex analyses for immunology, endocrinology, transfusion serology.
- Development and validation of new assays and techniques.
- Special expertise on cardiac markers, prenatal diagnostics, allergy diagnostics, hemostasis, thrombosis and pharmacogenetics.
- Support of stem cell transplantation program.
- Support of Point Of Care Testing (POCT).
Clinical Genetics:

Head: Prof. dr. Han Brunner

- Offers genetic counseling as well as laboratories for genomics, cytogenetics and enzyme metabolism.
- Experts in genome diagnostics, bioinformatics and next generation sequencing.
- The only lab in the Netherlands allowed to perform embryo selection.
- Advanced equipment for enzyme diagnostics and pharmacogenetics.
- Special expertise on cardiogenetics, oncogenetics, developmental disorders, genodermatology, reproductive genetics, neuromuscular and mitochondrial disorders.
- Strong relationship with Clinical Genetics department of RadboudUMC (Nijmegen).
Clinical Pharmacy and Toxicology:

Head: Ellen Frankfort, MSc

- Specialized pharmaceutical care for all patients of the Maastricht UMC+.
- Close collaboration with Pharmacy of RadboudUMC (Nijmegen).
- Therapeutic monitoring for large number of drugs, including advice on dosage.
- Large expertise in development of new analytical methods.
- Responsible for release of study meds in clinical trials.
- Winner of “National Patient Safety Award” in 2010.
- Dried Blood Spot (DBS) analyses.
- 24/7 Toxicology laboratory.
Medical Microbiology:

Head: Prof. dr. Paul Savelkoul

- Complete and advanced microbiological diagnostics, infection prevention, molecular diagnostics and epidemiology services.
- Detection of bacteria, viruses, fungi, parasites in human clinical specimens.
- Strong expertise in molecular typing of microorganisms.
- Extensive possibilities for contract research.
- Infection prevention audits (on location).
- Large national and international research network, including National Institute for Public Health and Environment (RIVM).
Nuclear Medicine:

Head: Prof. dr. Felix Mottaghy

- Diagnostics and treatment by radioactive tracers and biomolecules.
- Hybrid imaging like PET/CT, SPECT/CT and PET/MR.
- Special expertise in diagnostics and treatment of neuroendocrine tumors.
- Cutting edge in particle therapy and molecular imaging.
- Strong clinical physics group and radiation dosimetry center.
- Trendsetter in the application of nuclear medicine in cardiology and oncology.
- Selective Internal RadioTherapy (SIRT) treatment available for liver malignancies.
- Close collaboration with Radiology department.
Pathology:

Head: Prof. dr. Axel zur Hausen

- Analysis of cells, tissue and body fluids to diagnose disease and give prognostic information to clinician.
- Broad spectrum of techniques and expertise.
- Laboratories for cytology, histology and specialized analyses.
- Large experience in autopsies.
- Experts in molecular oncopathology, epigenetics and cardiovascular research.
- Fast and automated tissue processor.
- Separate unit for molecular diagnostics, including typing of tumors for resistance to chemotherapy.
- Experienced in the clinical application of next generation sequencing.
Radiology:

Head: Prof. dr. Joachim Wildberger

- All disciplines included: conventional X-Ray, clinical high-field MRI, echography, CT and mammography.
- Experts in interventional procedures like imaging guided biopsies, drains, stents, embolization, RFA treatments and SIRT.
- Leading in Contrast Enhanced Spectral Mammography (CESM).
- Strong clinical physics group and radiation dosimetry center.
- Radiologists specialized in neuro, mamma, thoracic, abdominal, interventional, cardiac, musculoskeletal and children’s radiology.
- Close collaboration with Nuclear Medicine department.
Transplantation Immunology & Tissue Typing:

Head: Prof. dr. Marcel Tilanus

- Offers accredited analyses involved in HLA typing for transplantation as well as HLA-associated diseases.
- Reference center for advanced Sequence Based Typing (SBT) technology.
- Unique system for automated analysis of antibodies.
- Leading in the implementation of cellular therapy and selection of stem cell donors.
- HLA typing from low to ultra-high resolution.
- Experts in the role of HLA in ankylosing spondylitis, celiac disease, sarcoïdosis, rheumatoid arthritis, uveitis, birdshot chorioretinopathy and abacavir hypersensitivity.
Conclusion
10 Reasons to work with LAB Maastricht:

1. All biomedical diagnostic disciplines in one organization.
2. State of the art diagnostics and therapeutic advice.
3. Access to a network of key opinion leaders.
4. >1000 skilled and motivated scientists, medical doctors and technicians.
5. Accredited laboratories and services.
6. Access to clinical specimens as well as “gold standard” techniques.
7. Partner in method development and clinical validation of new technology.
8. Translation of scientific research into practical solutions.
9. Leading in prenatal diagnostics, radiology, molecular diagnostics and genome analysis.
10. Specialized pharmaceutical services for clinical trials.

www.labmaastricht.nl
LAB Maastricht UMC+: “We Test new Technology for better Therapy”

Contact details:

Web: www.labmaastricht.nl
Tel: +31 43 3877988
Email: lab.maastricht@mumc.nl
Twitter: @labmaastricht