

Fellowship in Laboratory Genetics

Lithuania

University

Kaunas Clinics

Department

Medical tourism

POSTGRADUATE MEDICAL PRACTICE

**Kaunas**
European Capital
of Culture 2022

Course details

1 year

Certificate of achievement

Department of Genetics and Molecular Medicine

10,000 EUR per year

Taught in English

Basics of Lithuanian language studies included

Structure of programme

Cytogenetics

- *Karyotyping*
- *FISH*

Molecular genetics

- *Restriction fragment length polymorphism analysis*
- *Real time polymerase chain reaction*
- *Multiplex polymerase chain reaction and fragment length analysis by capilar electrophoresis*
- *Quantitive florescence polymerase chain reaction*
- *Repetitive sequence based polymerase chain reaction and fragment length analysis by*
- *Capillary electrophoresis amplification resistant mutation analysis technology*
- *Long range chain polymerase reaction*
- *Multiplex ligation-dependent probe amplification*
- *Sanger sequencing*
- *New generation sequencing (Ion Torrent and Illumina technologies)*
- *Pyrosequencing*
- *Genotype identification by polymerase chain reaction and micrarray method with Autogenomics InfinityPlus automatic analyser*

Biochemical genetics

- *Liquid chromatography*
- *Mass spectrometry*

REQUIREMENTS

- > Degree: Bachelor or Master of **Medicine** **or** Bachelor or Master of **Surgery** **or** Bachelor or Master in **Genetics**

FURTHER DEVELOPMENT

- > Continue your education by entering residency programmes

Fellowship in Laboratory Genetics



Lithuanian language exam



Residency in Genetics

- > Part of residency is credited from Fellowship in Laboratory Genetics