

# Institut za molekularnu genetiku i genetičko inženjerstvo

## Laboratory for molecular biology

### Naučna oblast (Frascati Manual)

---

#### Other biological topics

Technologies involving identifying the functioning of DNA, proteins and enzymes and how they influence the onset of disease and maintenance of well-being (gene-based diagnostics and therapeutic interventions (pharmacogenomics, gene-based therapeutics))

### Kratak opis ekspertize

---

genotype-phenotype correlation, investigation of molecular mechanism of cardiovascular (thrombosis, cardiomyopathy), malignant, neuromuscular and respiratory (cystic fibrosis).

### Ključne reči

---

biomarkers, , pharmacogenetics, personalised medicine, confocale microscopy, next generation sequencing, functional analyses of genetic variants, zebra-fish