

EFRE Funding

Genotypisierungs-Plattform für medizinisch relevante Tiermodelle kardiovaskulärer oder metabolischer Erkrankungen des Menschen



EUROPÄISCHE UNION
Europäischer Fonds für
Regionale Entwicklung
www.efre.brandenburg.de

Genotyping platform for medically relevant animal models for cardiovascular or metabolic diseases in humans.

A Fluidigm genotyping platform was erected for mass screening of genetic polymorphisms, most notably Single Nucleotide Polymorphisms (SNPs). Current applications are:

- Screening of disease-relevant mutations in transgenic zebra fish lines to characterize signal-transduction cascades and gene expression.
- Screens on pharmaceutical effects of candidate chemicals in zebra fish.
- Characterization of molecular effects of mutations.
- High-throughput SNP screens on further animal and plant species.