

Supervisor's contact details

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Title of the project

Functional genetics of thyroid diseases

MSCA-PF Research Panel

- Chemistry (CHE)
- Social Sciences and Humanities (SOC)
- Economic Sciences (ECO)
- Information Science and Engineering (ENG)
- Environment and Geosciences (ENV)
- Life Sciences (LIF)
- Mathematics (MAT)
- Physics (PHY)

Description of the project

We are looking for researchers to participate in the research of molecular mechanisms of thyroid disorders. We are studying thyroid genetics in patients with congenital or familial thyroid diseases using in vitro and in vivo methods. The research projects aim at characterizing novel gene mutations and testing their pathogenicity. The work involves analyzing next-generation sequencing data, generation and phenotyping of new disease models using common molecular biology methods.

Research objectives or research questions of the project

1. Identification and characterization of novel gene mutations from patients with familial thyroid diseases
2. Functional characterization of the novel gene mutations using and generating novel disease models