

ESPRIT Programme

ESP 461 Structural basis of CaV3.3 calcium channel gating mechanisms

project lead: EL GHALEB Yousra
university / research place: Institute of Physiology, Medical University of Innsbruck, Schöpfstr. 41,
6020 Innsbruck, Tyrol, Austria

decision board: 02.05.2023
lifetime: 01.08.2023 – 31.07.2026
science discipline:
50% 301 Medical-Theoretical Sciences, Pharmacy
50% 106 Biology
keywords: voltage-gated calcium channels, T-type calcium channels, Voltage-sensing, Channelopathies,
patch-clamp electrophysiology, ion-channel structure modelling

ESP 222 mitoTree

project lead: HUBER Nicole
university / research place: Institute of Forensic Medicine, Medical University of Innsbruck,
Müllerstr. 44, 6020 Innsbruck, Tyrol, Austria

decision board: 27.06.2022
lifetime: 01.10.2022 – 30.09.2026
science discipline:
50% 102 Computer Sciences
30% 106 Biology
20% 305 Other Human Medicine, Health Sciences
keywords: mtDNA, phylogeny, NGS, haplogrouping

ESP 138 The role of NLRP3 inflammasome activation in LC for vitiligo

project lead: STRANDT Helen
university / research place: University Hospital for Dermatology, Venereology and Allergology,
Medical University of Innsbruck, Anichstr. 35, 6020 Innsbruck, Tyrol,
Austria

decision board: 02.05.2022
lifetime: 01.08.2022 – 31.07.2025
science discipline:
70% 301 Medical-Theoretical Sciences, Pharmacy
30% 302 Clinical Medicine
keywords: Langerhans cell, Vitiligo, Inflammasome, NLRP3, Innate immunity, LC-targeted therapy