PhD Open Days

Whole-cut cultured fish fillet production by cellular agriculture strategies

Doctoral program in Bioengineering

Diana Maria Condeço Marques (diana.c.marques@tecnico.ulisboa.pt)



Motivation

Mature

myofiber

Why do we need cultured fish production?







Fish cell culture

Immature Fish pluripotent cell Myoblast myotube

3D bioprinting & electrospinning



(Bio)ink development









Supervisor : Prof. Frederico C.

Ferreira; **Co-supervisors:** Prof. Luisa Torri, Dr. Paola Sanjuan-Alberte

The authors acknowledge funding from Good Food Institute for the Algae2Fish project; from Fundação para a Ciência e Tecnologia for the PhD scholarships (2022.12900.BD, 2023.00599.BD), CleanFish project (2022.07677.PTDC), iBB (UIDB/04565/2020 and UIDP/04565/2020), i4HB (LA/P/0140/2020) CQE ((UIDB/00100/2020), and iDMEC via LAETA project (UIDB/50022/2020); and from European Commission through FEASTS (Project ID 101136749, call HORIZON-CL6-2023-FARM2FORK-01-13). We thank Michael K. Saad and David L. Kaplan for the MACK cells.

phdopendays.tecnico.ulisboa.pt