



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

PhD Program in Molecular and Regenerative Medicine

Molecular and Regenerative Medicine Seminar Series (RMRss)

Cultivated Meat: Biological Foundations, Technological Challenges, and Sustainable Opportunities

Prof. Stefano Biressi, PhD

Friday, 8 May 2026 at 14:30

Aula CS0.1, MO 36, Centro Servizi, Medicina-Policlinico

Stefano Biressi is Associate Professor of Molecular Biology at the University of Trento and Principal Investigator at the Dulbecco Telethon Institute, where he leads the Laboratory of Stem Cells and Regenerative Medicine. He completed his PhD training under the supervision of Giulio Cossu at the San Raffaele Scientific Institute in Milan, where he studied the molecular regulation of skeletal muscle development. He then moved to Stanford University, where he completed his postdoctoral training with Thomas Rando, focusing on the developmental origin and functional regulation of adult muscle stem cells, as well as their role in muscle regeneration and disease. In 2015, he returned to Italy through the Dulbecco Telethon program, where he established his independent research group at the University of Trento. His research investigates the cellular and molecular mechanisms regulating skeletal muscle stem cells, with a particular emphasis on stem cell heterogeneity, muscle regeneration, and the pathogenesis of aging-associated sarcopenia and muscular dystrophies. More recently, his work has expanded toward understanding the role of inflammation, fibrosis, and complement signaling in dystrophic muscle, with the aim of identifying novel therapeutic strategies that can complement gene-based approaches.

In parallel to his work in regenerative medicine, he has developed an interest in the application of stem cell biology to biotechnology, contributing to the emerging field of cultivated meat. His research bridges fundamental biology and translational applications, with the goal of addressing both unmet medical needs and future challenges in sustainable food production.

For info: laura.derosa@unimore.it; ruggiero.norfo@unimore.it; elena.enzo@unimore.it