



## CELLULAR AND MOLECULAR PHYSIOLOGY

Enrollment year	2021/2022
Academic year	2021/2022
Regulations	DM270
Academic discipline	BIO/09 (PHYSIOLOGY)
Department	DEPARTMENT OF BIOLOGY AND BIOTECHNOLOGY "LAZZARO SPALLANZANI"
Course	EXPERIMENTAL AND APPLIED BIOLOGY
Curriculum	Scienze biomediche molecolari
Year of study	1°
Period	1st semester (01/10/2021 - 14/01/2022)
ECTS	9
Lesson hours	72 lesson hours
Language	Italian
Activity type	ORAL TEST
Teacher	MOCCIA FRANCESCO (titolare) - 9 ECTS
Prerequisites	An adequate knowledge of general physiology, biochemistry, physics and mathematics is required
Learning outcomes	The course aims at providing deeper insights into the molecular structure and role of ion channels in health and disease
Course contents	Basi properties of ion channels; voltage-operated ion channels; ionotropic receptors; TRP channels; Stim and Orai; dynamics and role of Ca <sup>2+</sup> signals; channelopathies; ion channels and cancer
Teaching methods	Lectures
Recommended or required readings	Fisiologia e biofisica della cellula - Taglietti e Casella - Ed. Edises



## Oral examination



No

