

**Call for Selection for the award of no. 1 research contract pursuant to art. 22 of Law no. 240/2010, Scientific-Disciplinary Sector CEAR-06/A – Mechanics of Solids and Structures, at the facilities of the Research Unit of Theoretical and Computational Biomechanics and of Departmental Faculty of Engineering of the Campus Bio-Medico University of Rome.**

Competition code: CDR/05\_25

<b>Departmental Faculty/Research Unit of affiliation</b>	Departmental Faculty of Engineering/ Theoretical and Computational Biomechanics
<b>Place of activity</b>	Campus Bio-Medical University of Rome Via Giacomo Dina, 36 – Roma Via Alvaro del Portillo, 21 – Roma
<b>Scientific Disciplinary Group</b>	08/CEAR-06 - Mechanics of Solids and Structures
<b>Scientific-Disciplinary Sector</b>	CEAR-06/A – Mechanics of Solids and Structures
<b>Project title</b>	Micromechanical computational modeling of gastrointestinal wall.
<b>Description of the research project</b>	The research program has as its object the implementation of micromechanical constitutive models of the gastrointestinal wall. The development of finite element codes capable of simulating the functionality of the gastrointestinal wall is expected . Specific study objectives will concern: - CAD reconstruction of realistic geometries - development of open source FEA codes - numerical simulations of gastrointestinal micromechanics
<b>Scientific Supervisor</b>	Prof. Alessio Gizzi
<b>Maximum number of publications</b>	12
<b>Language knowledge and skills</b>	Advanced knowledge of the English language
<b>Date, time and place of interview</b>	<b>November 14, 2025, 10:30 a.m.</b> Remote candidates on <b>Microsoft</b> platform



<b>Funding body</b>	European Research Council
<b>Funding programme/call</b>	ERC Consolidator
<b>Grant agreement number</b>	101170592
<b>CUP</b>	C83C25000140006