

Name of the Lecture	Characterization Of The Biological Response To Scaffolds
Level of the Lecture	Graduate
Length of the Lecture	25 minutes
Type of the Lecture	Online
Lecturer	Luis Maria Delgado Garoña
Lecturer Email	Imdelgado@uic.es
Aim of the Lecture	Definition of the test used to assess biocompatibility and cell response to scaffolds
Content of the lecture	<p>Introduction to biological evaluation of medical devices</p> <p>In vitro cell culture (cell proliferation, metabolic activity, viability, differentiation, gene expression, protein expression...)</p> <p>In vivo animal models (ethics, models, histology...)</p>
Recommended Sources	<p>ISO 10993 Biological evaluation of medical devices.</p> <p>Ratner, Buddy. Biomaterials science: an introduction to materials in medicine. 3rd ed. Elsevier Academic, cop. 2013.</p>
Language of the lecture	English
Learning Outputs	<p>Understanding the basics of biological response characterisation</p> <p>Understanding the assays to assess biological response</p> <p>Design experiments to evaluate the biological response of scaffolds</p>