

MÁSTER UNIVERSITARIO EN INGENIERÍA BIOMÉDICA

FECHAS DE DEFENSA TFM CONVOCATORIA JULIO 2026

AUTOR	TÍTULO	DEPART	FECHA LECTURA	HORA LECTURA	LUGAR	PRESIDENTE	VOCAL	SECRETARIO	SUPLENTE
Harding, Isaac	Development of a methodology for the analysis of cardiac metabolic activity in [18F]FDG PET/CT images for the detection of cancer treatment related cardiac dysfunction	TFB	08/07/26	09:00	B-222	Carlos Angulo Barrios	Cecilia Vera	Cristina Zimbroianu	Núria Mari Buye
Nogueira Echarri, Maddi	Optimization of a thermographic analysis application for the clinical diagnosis of small fibre neuropathy	TFB	08/07/26	09:30	B-222	Carlos Angulo Barrios	Cecilia Vera	Cristina Zimbroianu	Núria Mari Buye
Sola Janín, Álvaro	Development of a methodology for the quantitative analysis of the femoral head based on medical imaging for bone risk prediction in prostate cancer patients	TFB	08/07/26	10:00	B-222	Carlos Angulo Barrios	Cecilia Vera	Cristina Zimbroianu	Núria Mari Buye
Sepahdezh, Gelavizh	Development of a regulatory framework and validation strategies for artificial intelligence-enabled medical software under the European AI Act and Medical Device Regulation	TFB	08/07/26	10:30	B-222	Carlos Angulo Barrios	Cecilia Vera	Cristina Zimbroianu	Núria Mari Buye
Aldecocea Iturriaga, Eneritz	Development of a methodology for analysing the complexity of radiotherapy plans for prostate and head and neck cancer based on medical images	TFB	08/07/26	11:00	B-222	Carlos Angulo Barrios	Cecilia Vera	Cristina Zimbroianu	Núria Mari Buye
De la Mata de Ramos, Rodrigo	Design and implementation of an AI-Powered Diagnostic Assistant for Hematology Analyzers	TFB	07/07/26	10:00	B-222	M ^º Jesús Ledesma Carbayo	Antonio Ros Felip	Blanca Larraga García	Daniel González Nieto
Soria Sánchez, Paula Michelle	Design and Implementation of an Artificial Intelligence System for Transcribing Clinical Interviews and Automatically Computing Mental Health Questionnaire Scores	TFB	07/07/26	10:30	B-222	M ^º Jesús Ledesma Carbayo	Antonio Ros Felip	Blanca Larraga García	Daniel González Nieto

Arza Puertas, Javier	Design and implementation of a evaluation framework for the diagnostic performance of LLMs in clinical decision support	TFB	07/07/26	11:00	B-222	Mª Jesús Ledesma Carbayo	Antonio Ros Felip	Blanca Larraga García	Daniel González Nieto
García Antón, Raúl	Development and implementation of an eye-tracking system for the assessment and localization of pain in patients with motor aphasia	TFB	07/07/26	11:30	B-222	Mª Jesús Ledesma Carbayo	Antonio Ros Felip	Blanca Larraga García	Daniel González Nieto
De Caluwe Butt, Aurelie	Design and Development of an Augmented Reality Software for Intraoperative Decision Support in Orthopedic Oncology	TFB	07/07/26	12:00	B-222	Mª Jesús Ledesma Carbayo	Antonio Ros Felip	Blanca Larraga García	Daniel González Nieto
Arnal Saborit, Nuria	Evaluation of a nanopore sequencing-based metagenomic pipeline for the detection of biological agents in environmental samples	TFB	08/07/26	10:00	B-221	José Pérez Rigueiro	Álvaro Gutiérrez Martín	Antonio Pérez Serrano	Juan José Gómez Valverde
Martínez-Pais González, Alicia	Hybridizing hard and soft materials employing direct and indirect additive manufacturing for complex articular repair	IM	08/07/26	10:30	B-221	José Pérez Rigueiro	Álvaro Gutiérrez Martín	Antonio Pérez Serrano	Juan José Gómez Valverde
Jankovic, Ivana	Simulation and numerical modelling of laser tissue interaction for optical hyperthermia	TFB	08/07/26	11:00	B-221	José Pérez Rigueiro	Álvaro Gutiérrez Martín	Antonio Pérez Serrano	Juan José Gómez Valverde
González Brazales, Paula	CT-Based Patient-Specific Finite Element Analysis of the Femur: Evaluation of Failure Indicators, Segmentation Artifacts and Microplane Damage Modeling	MMCTE	08/07/26	11:30	B-221	José Pérez Rigueiro	Álvaro Gutiérrez Martín	Antonio Pérez Serrano	Juan José Gómez Valverde
Woldemariam, Bayza	Design and optimization of a dual-mode opto-electroacoustic transducer for biosensing	TFB	08/07/26	12:00	B-221	José Pérez Rigueiro	Álvaro Gutiérrez Martín	Antonio Pérez Serrano	Juan José Gómez Valverde
Boada Benítez, Nicolás	Comparative biomechanical analysis of a new variable resistance mechanisms for knee extension rehabilitation and training	IM	08/07/26	10:00	B-223	María Fernanda Cabrera Umpiérrez	Núria Marí Buye	Alexander Peter Seiffert	Milagros Ramos Gómez

González López, Laura	Design and implementation of a pharmacology-based predictive model for patient risk stratification using hospital pharmacy data	TFB	08/07/26	10:30	B-223	María Fernanda Cabrera Umpiérrez	Núria Marí Buye	Alexander Peter Seiffert	Milagros Ramos Gómez
Cerón Marcos, Amanda	Development and implementation of an algorithm for the interpretation of liquid biopsy in cancer patients.	TFB	08/07/26	11:00	B-223	María Fernanda Cabrera Umpiérrez	Núria Marí Buye	Alexander Peter Seiffert	Milagros Ramos Gómez
Almabark Ortiz, Dana	Design, development and evaluation of an Asthma Digital Twin using Longitudinal Clinical Data	TFB	08/07/26	11:30	B-223	María Fernanda Cabrera Umpiérrez	Núria Marí Buye	Alexander Peter Seiffert	Milagros Ramos Gómez
Guacaneme Fernández, Gustavo Adolfo	Evaluating the clinical utility of multimodal AI in oncology: Design and development of a pipeline for lung cancer modeling	TFB	08/07/26	12:00	B-223	María Fernanda Cabrera Umpiérrez	Núria Marí Buye	Alexander Peter Seiffert	Milagros Ramos Gómez
Taboada Martín, Celia	Toward Personalized LVAD Therapy: Multi-Fidelity CFD Hemodynamic Modeling for Pre-Implantation Optimization and Risk-Informed Clinical Decision Support	TFB	10/07/26	10:00	B-221	Enrique Javier Gómez Aguilera	Mª Elena Hernando Pérez	Ángel Hernández García	Ignacio Oropesa García
Gallo Contreras, Isabel	Design and Implementation of a Methodology for the Evaluation of Integrated Field Force Models in the Pharmaceutical Industry	TFB	10/07/26	10:30	B-221	Enrique Javier Gómez Aguilera	Mª Elena Hernando Pérez	Ángel Hernández García	Ignacio Oropesa García
Rastghalam, Tinasadat	Design and Development of an Accessible Screening Tool in Alzheimer's Disease and Analysis of the Correlation of Cognitive Performance with Fluid Biomarkers	TFB	10/07/26	11:00	B-221	Enrique Javier Gómez Aguilera	Mª Elena Hernando Pérez	Ángel Hernández García	Ignacio Oropesa García
Harned, Kruse	Design and validation of a quantitative methodology for EEG biomarker identification for Lewy Body Dementia using multimodal clinical and biochemical data	TFB	10/07/26	11:30	B-221	Enrique Javier Gómez Aguilera	Mª Elena Hernando Pérez	Ángel Hernández García	Ignacio Oropesa García
Seryes Velasco, Claudia	Minimally Invasive Spine Surgery: Technical, Clinical and Economic Evaluation and Design of an Implementation Model in Healthcare Management	IOR	10/07/26	12:00	B-221	Enrique Javier Gómez Aguilera	Mª Elena Hernando Pérez	Ángel Hernández García	Ignacio Oropesa García

Jiménez Alba, Alejandra	Design and development of region of interest segmentation algorithms in biological samples using mobile devices for the optimization and automation of digital microscopy	IEL	08/07/26	10:00	A-204	Patricia Sánchez González	Francisco González Sánchez	Ignacio Oropesa García	Enrique Javier Gómez Aguilera
Miranda Cedeño, Johanys Silenia	Development and Comparative Evaluation of Liver Regional Segmentation Methods for Quantitative PET/MRI Analysis	IEL	08/07/26	10:30	A-204	Patricia Sánchez González	Francisco González Sánchez	Ignacio Oropesa García	Enrique Javier Gómez Aguilera
Mouchhir, Sahar	Implementation of automated methods for segmentation and cell characterization in breast cancer risk of recurrence prediction from histopathological images	IEL	08/07/26	11:00	A-204	Patricia Sánchez González	Francisco González Sánchez	Ignacio Oropesa García	Enrique Javier Gómez Aguilera
Bompas, Jules	Development of a Multi Device OCT Biomarker Segmentation and Longitudinal Monitoring Framework for Retinal Diseases	IEL	08/07/26	11:30	A-204	Patricia Sánchez González	Francisco González Sánchez	Ignacio Oropesa García	Enrique Javier Gómez Aguilera
Belzunce Cobreros, Ignacio	Deep Learning-Based Classification of Infectious Keratitis Etiologies Using Slit-Lamp Images	IEL	08/07/26	12:00	A-204	Patricia Sánchez González	Francisco González Sánchez	Ignacio Oropesa García	Enrique Javier Gómez Aguilera
Gómez Guillén, Eva	Volumetric Assessment of Orbital Displacement Using Structured-Light 3D Facial Scanning	IEL	08/07/26	12:30	A-204	Patricia Sánchez González	Francisco González Sánchez	Ignacio Oropesa García	Enrique Javier Gómez Aguilera