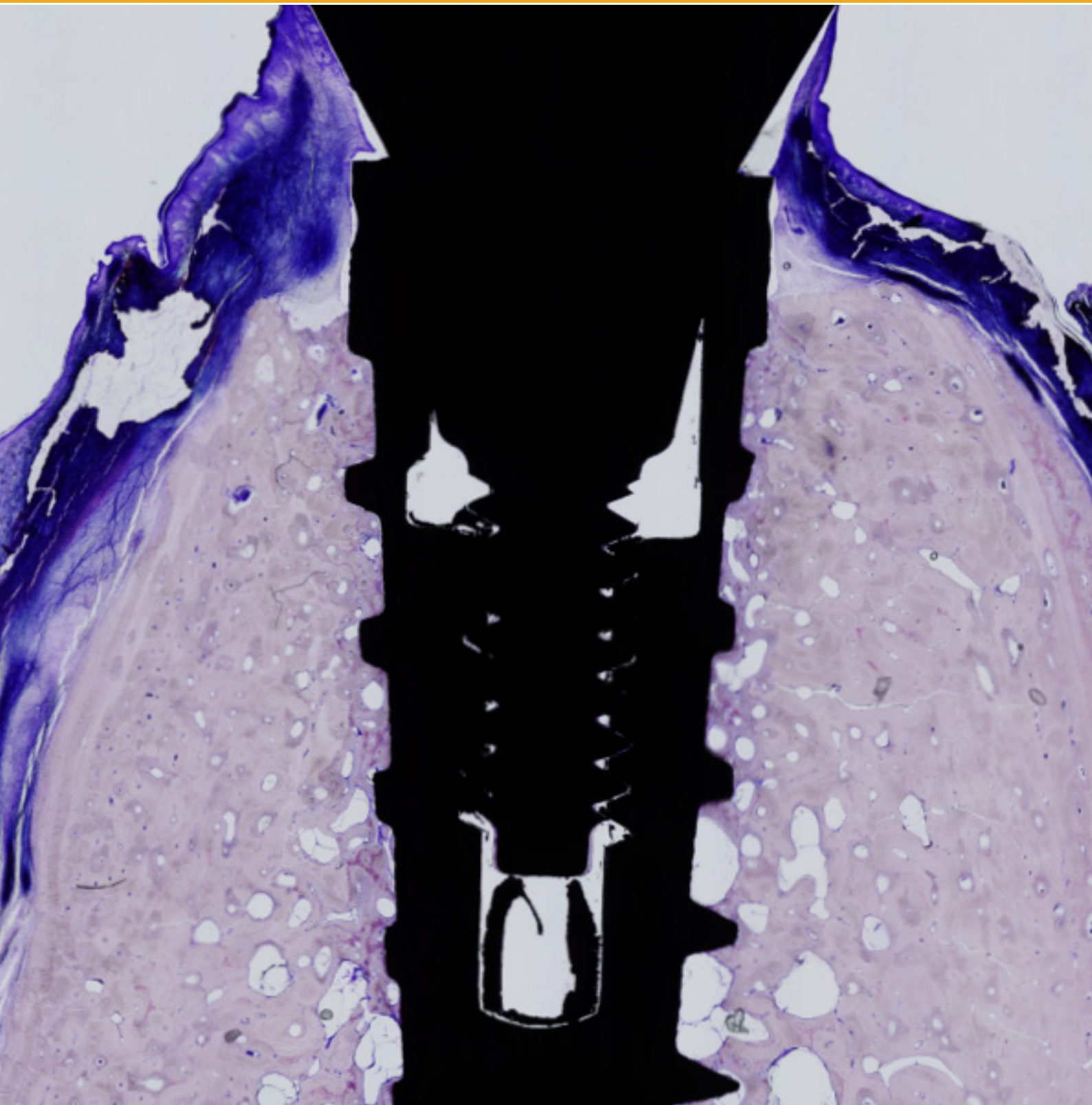




UCAM
UNIVERSIDAD CATÓLICA
DE MURCIA

Clinical and Experimental Dental Medicine

Health Science Department



GENERAL DESCRIPTION



The Clinical and experimental dental medicine research group, was created by an experienced group of investigators that have developed a strong career in the field of experimental odontology, specifically in oral implantology, biomaterials used as bone substitutes and biological stimulation.

They have participated in around 180 R&D projects and have written more than 162 JCR articles. Several of these entries were also published in "Clinical Oral Research", the first international magazine specialized in Odontology. They are directing more than 25 doctoral theses with good results, and their scientific production has them situated number one in the European rankings in their discipline.

Partners:





PRINCIPAL MEMBERS



Director of Clinical and Experimental Research Group. Catholic University of Murcia.
 Head Professor of Oral Surgery and Implant Dentistry, Catholic University of Murcia.
 Research Professor Department of Prosthodontics and Digital Technologies. School of Dental Medicine. State University of New York at Stony Brook. USA
 Chairman of International Dentistry Research Cathedra.
 PhD in Odontology, University of Murcia
 PhD in Bioengineering in Biomaterials, University Miguel Hernandez Elche
 Master in Implant Dentistry, University of Pittsburgh/ University of Baylor College of Dentistry/University of Paris.
 Degree in Odontology, National University of Cordoba (Argentina)

Dr. José Luis Calvo Guirado
Research Head



Odontology Department Professor, Catholic University of Murcia.
 PhD in Medicine University of Murcia.
 Specialist in Stomatology, University of Granada
 Degree in Medicine and Surgery University of Granada.

Dr. Jose Manuel Granero Marín
Researcher



Odontology Department Professor, Catholic University of Murcia.
 PhD in Bioengineering in Biomaterials, University of Elche
 PhD in Odontology, University of Murcia
 Master in Prosthesis, University of Murcia
 Master in Implantology, University of Murcia
 Master in Aesthetics and Prosthodontics, University of New York
 Degree in Odontology, University of Murcia

Dr. José Eduardo Maté Sánchez de Val
Researcher



PRINCIPAL MEMBERS



Odontology Department Professor, Catholic University of Murcia.
 PhD in n Dentistry, University of Murcia
 Master in mplantology, University of Murcia
 Degree in Dentristry, University of Murcia.

Dra. María Piedad Ramírez Fernández
Researcher



Odontology Department Professor, Catholic University of Murcia.
 PhD in Dentistry, University of Murcia
 Degree in Dentistry, University of Murcia

Dr. Carlos Pérez Albacete Martínez
Researcher



SELECTED RESEARCH PROJECTS



2017

Periodontal Regeneration Devices in a 1-wall intrabony defect model. An experimental study in dogs

Call: Geistlich Pharma AG. Switzerland
Leader: Catholic University of Murcia



16-17

Radiographic, Micro Ct, Histologic and Histomorphometric Evaluation of Socket Shield Approach. Experimental Study on Fox Hound Dogs

Call: Alpha-Bio Tech, Israel
Leader: Catholic University of Murcia



2016

Bone healing in implants with different designs Short DM Top DM implants and surface patterns in healed and postextraction sockets. An experimental study on dogs

Call: Bioner Sistemas Implantologicos. Barcelona
Leader: Catholic University of Murcia



2016

New Study Of The Influence On The Soft Tissue Of The Disconnection And Reconnection Of Different Prosthetic Abutments On Implants Placed At Crestal Level. Experimental Study on Fox Hound Dogs At 1, 2 And 3 Months

Call: Bredent Medical, Germany
Leader: Catholic University of Murcia



2017

New Bone Formation Of Printed Calcium Phospahte Material in critical size defects. Experimental study on dogs

Call: University of Amsterdam
Leader: Catholic University of Murcia





SELECTED RESEARCH LINES



Preparing platelet-rich plasma



Piezosurgery and intra and extra oral scanners



Probiotics for oral use and seawater



Infant oral surgery



Pharmacology in dentistry



Melatonin in cellular differentiation processes



SELECTED RESEARCH LINES



Endodontics and optical microscopy



Chitosan for soft and hard tissues



Synthetic and animal biomaterials



Biomechanics in implants and biomaterials



Digital dentistry



Flavonoids for bone regeneration



SELECTED RESEARCH LINES



Dental implant, design and surface treatment



Graphene and its clinical use



Treatment and coating of prosthetic posts and healing



Design of implants, components and clinical application



Zygomatic implants and biomechanics associated with design



Bone biostimulators



SELECTED RESEARCH LINES



Dental prosthesis materials



Cellular biomarkers for tissue regeneration



Electron microscopy techniques for implants and biomaterials



Biomaterials for bone regeneration in dentistry



Implants and zirconium posts



Periodontology: the treatment of hard and soft tissues

WHAT IS THE OPRI

The International Project Office (OPRI) is an office linked to the Vice-rectorate of Research, and is responsible for the management of international research projects at UCAM.

The OPRI was founded to strengthen the collaboration between our partners all around the world in the field of research. The unit was established in 2012 and has built strong alliances in 36 countries in which the university has to date participated in 41 projects.

The internationalization of the Catholic University of Saint Anthony, through the OPRI, is directed towards all of the university community, researchers as well as students. A total of 160 students have participated already in projects in a variety of countries all over the continent.

CALLS:





UCAM

OPRI International
Project Office



OPRI

International Project Office UCAM
Vice-rectorate of Research

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