



Fam. name: SANCHEZ-MARGALLO

First name: Francisco Miguel

ORCID: 0000-0003-2138-988X

www.ccmijesususon.com

SÁNCHEZ MARGALLO,

Francisco Miguel
VMD, PhD

Scientific Director at CCMIJU

The Jesús Usón Minimally Invasive Surgery Centre (CCMIJU) located in Cáceres, (Spain) is a multidisciplinary institution delivering excellence in research and training of minimally invasive surgical techniques. The Centre promotes technological development and innovation applied to medicine and health, in close collaboration with companies around the world. As its Scientific Director, Dr. Sánchez-Margallo has been leading and collaborating in numerous local, national and European research projects, both public and private, related to the development of new surgical and therapeutic procedures of different medical specialties in the field of minimally invasive surgery.

He has published more than 230 articles in high impact journals and has numerous industrial property registrations.

In 2013 he joined the Cardiovascular Research Network of the Carlos III Health Institute, as the lead investigator of the Minimally Invasive Surgery Centre group, within the Cardiac Arrhythmia project.

In 2014 he was appointed Assistant Director of NANBIOSIS – an Integrated ICTS (a unique Scientific and Technological Infrastructure for the Production and Characterization of Nanomaterials, Biomaterials and Systems in Biomedicine) and designated Director of the CCMIJU, that had become an affiliated centre of the University of Extremadura.

In 2017 he joined the CIBER Cardiovascular Diseases research group, within the area of Cardiac Remodeling and Healing.

As a teacher at different universities, he has co-directed 31 doctoral theses and he is currently the Professor of several Official Masters.

Dr. Sánchez-Margallo has directed more than 650 courses and training residencies for specialists in health sciences, many of these courses being endorsed by recognized national and international scientific and medical societies.

ACADEMIC APPOINTMENTS

1992-1997 CCMIJU - Coordinator of the Endoscopy Unit

1997-2007 CCMIJU - Director of the Surgical Area and Coordinator of the Laparoscopy Unit

2000-now CCMIJU - Director of the Quality Assurance System (ISO 9001)

2007-now CCMIJU - Director of the Contract Research Laboratory –CRO- (under GLP certification) for preclinical trials

2014-now CCMIJU - Director of the Centre affiliated to the University of Extremadura

2014-now CCMIJU - Director of the ICTS Nanbiosis, a unique scientific and technological infrastructure

RESEARCH EXPERIENCE

LAPAROSCOPY & ENDOSCOPY

- New approaches to MIS: NOTES and Laparoendoscopic Single-site Surgery (LESS)
- New devices for Minimally Invasive Surgery and advanced systems for surgical training
- Medical robotics, computer-assisted surgery and medical imaging

DR. SÁNCHEZ MARGALLO

Fam. name: SANCHEZ-MARGALLO

First name: Francisco Miguel

ORCID: 0000-0003-2138-988X

www.ccmijesususon.com

- Minimally Invasive Surgical pedagogical model based on video Technology Enhanced Learning
- Endourology, treatment of obstructive uropathy, Double-Balloon Enteroscopy (DBE)
- Development of urinary stents
- Multiphotonic endoscopy to diagnose colon cancer

ENDOLUMINAL THERAPY DIAGNOSIS (EDT)

- Benign prostatic hyperplasia
- Cardiovascular diseases

CELL THERAPY

- Stem cells and surgical materials as therapeutic tools for cardiovascular and immunological diseases
- Preclinical trials in clinically relevant animal models

CARDIOVASCULAR

- Translational research in the prevention, treatment and development of minimally invasive approaches of cardiac remodeling based on tissue engineering
- Safety and efficacy studies of new therapies for electrical remodeling after myocardial infarction

MICROSURGERY

- Corneal ectasia: corneal surface shaping techniques
- Stem cell therapy in reconstructive surgery and peripheral nerve injury
- Research in diabetic retinopathy
- Microsurgery of the lymphatic system

ANESTHESIOLOGY

- Anesthetic techniques for minimally invasive surgery and novel systems for the administration of inhalant anesthetics

ASSISTED REPRODUCTION

- IVF Embryo implantation and sex determination research
- Studies in oocyte in-vitro maturation

POSTGRADUATE TEACHING and MENTORING EXPERIENCE

- **2003-2020** 31 Postdocs / 42 PhD / 60 Master Students, among the following institutions: Veterinary School / College of Industrial Engineering / School of Pharmacy, of the University of Extremadura / Univ. Zaragoza / Univ. Salamanca (respectively) / Spain
- **2016-2020** Director and Lecturer of the **master's degree in Advanced Minimally Invasive Urological Surgery (CMIURO)**, in collaboration with the Spanish Association of Urology (AEU) – University of Extremadura
- **2016-2020** Director and Lecturer of the **master's degree in Endoscopic Surgery and Minimal Invasion Surgery in Small Animals (CEyCMI)**, in collaboration with the Surgery Dpt. - University of Extremadura / Spain.
- **2008-2020** Lecturer of the master's degree in **Biology and Technology of Reproduction in Mammals**. Subjects: Morphology and Function of the Female Reproductive System and "Minimally invasive surgery in the female reproductive system" – University of Murcia / Spain.
- **2007 – 2020** Lecturer of the **master's degree in Biomedical Engineering** – Polytechnic University of Madrid / Spain.

SCIENTIFIC COMMUNICATIONS

- Author or co-author of 25 books and 24 book chapters
- Author or co-author of 12 Patents, 13 Utility Models and of 19 copyrights

DR. SÁNCHEZ MARGALLO

Fam. name: SANCHEZ-MARGALLO

First name: Francisco Miguel

ORCID: 0000-0003-2138-988X

www.ccmijesususon.com

- Author of more than 800 scientific presentations (oral, poster, as keynote or invited speaker) at National and International Congresses
- Author of 10 Apps related to Minimally Invasive Surgery and Health
- **Number of citations: 1924**; Average citations/item: 5.2
Average citations/year (last 5 years, exc. 2020): 232.2
Overall publications in D1: 18; Q1: 60; Q2:46; T1:79
h-index: 21 (Source: Web of Science - JCR)

PROFESSIONAL SOCIETIES MEMBERSHIP

- 2012–present Member of the Spanish Association of Urology (AEU)
- 2012–present Member of the Spanish Society of Laparoscopic and Robotic Surgery (SECLA)
- 2012–present Member of the International Society for Medical Innovation and Technology (iSMIT) / Germany
- 2013–present Member of the European Association for Endoscopic Surgery and other Interventional Techniques (EAES) / The Netherlands
- 2013–present Group leader of the Consortium Center for Biomedical Research Network (CIBER) CARDIOVASCULAR
- 2014–present Member of the Spanish Association of Surgeons (AEC)
- 2014–present Member of the Board of Directors of the Spanish Society of Surgical Research (SEIQ)

PEER-REVIEWER EXPERIENCE

- 2012 – present International Advisory Board / ScopeMed / ISRN Minimally Invasive Surgery / United Kingdom
- 2013 – present Editorial Board and Review panel member / Science and Education Publishing (SciEP) and International Advisory Board / Archives of Clinical and Experimental Surgery (ACES) / USA
- 2014-present Scientific Advisory Board of the European Association of Endoscopic Surgery (EAES) and Scientific Advisory Board of the Spanish Society of Surgical Research (SEIQ) / Spain
- 2016-present Founder member Editorial Board / Veterinary Record Open (VRO) / United Kingdom
- 2017-present Member of the Editorial Board of Frontiers in Veterinary Medicine and BJS British Journal of Surgery; Reviewer of Surgical Endoscopy; BMC Gastroenterology; IJCARS; Frontiers in Genetics; Journal of Obstetrics and Gynecology; JAVMA; Surgical Innovation; Veterinary Surgery.
- 2018-present Reviewer of Computers Biology and Medicine; Journal of Interventional Cardiology (JOIC); Journal of Tissue Engineering; BMC Surgery; Cirugía Española; Laboratory animals; Material Letters; MITAT
- 2019-present Reviewer of ANZ Journal of Surgery; BMC Cancer; BMC Urology; Biomaterials; International Journal of Medical Robotics and Computer Assisted Surgery; Journal of Investigative Surgery.
- 2020-present Reviewer of Digestive Diseases and Sciences; BMC Vet Res; Scientific Advisory Board of the International Society for Medical Innovation and Technology (iSMIT)