

**Charles James Kirkpatrick** has a triple doctorate in science and medicine (MD, PhD, DSc) from the Queen's University of Belfast (N. Ireland) and is emeritus Professor of Pathology at the University Medical Center in Mainz, Germany. His academic appointments were in pathology at the University of Ulm (1980-1985), Manchester University, UK (1985-1987), the RWTH Aachen (1987-1993) and the Johannes Gutenberg University (JGU) Mainz (1993-2015). He is a Fellow of the Royal College of Pathologists (FRCPath), London (since 1997) and an Honorary Professor at the Peking Union Medical College in Beijing and the Sichuan University in Chengdu, China (both since 2004). In 2011 he was appointed Guest Professor at the South China University of Technology in Guangzhou, China and in 2012 as Visiting Professor at the Nanyang Technological University (NTU) in Singapore. Since 2013 he is Visiting Professor of Biomaterials & Regenerative Medicine at the Sahlgrenska Academy of the University of Gothenburg, Sweden.

His principal research interests are in the fields of biomaterials in tissue engineering and regenerative medicine, with special focus on the development of human cell culture techniques, especially in co-culture systems in three-dimensions. During the past years his work has involved endothelial progenitor cells for vascularization in bone tissue engineering strategies, development of barrier models (e.g. air-blood barrier, blood-brain barrier) to study nanoparticle interactions with cellular systems, as well as co-culture models for upper respiratory tract regeneration, especially on de-cellularized natural or synthetic matrices. His research laboratory, the **REPAIR-lab**, is a member of the European Institute of Excellence on Tissue Engineering and Regenerative Medicine, and his research is principally funded by the EU, BMBF (German Federal Ministry of Education and Research), BMVg (German Federal Ministry of Defence) and the DFG (German Research Foundation).

He is author/coauthor of >500 publications in peer-reviewed journals, has made more than 1370 presentations to scientific meetings worldwide [> 490 of which were invited lectures] and has an h-index of 55 (Web of Science) & 65 (Google Scholar). He has supervised 111 (completed) doctorate theses (MD/PhD/DDS) at two universities (Aachen, Mainz). He is a former President of both the German Society for Biomaterials (2001-2005) and the European Society for Biomaterials (ESB, 2002-2007). In 2008 he received the ESB's George Winter Award and in 2010 he was awarded the Chapman Medal from the Institute of Materials, Minerals & Mining, London, UK for "distinguished research in the field of biomedical materials". Also in 2010 he received the Innovation Prize in Medical Technology from the German Federal Ministry of Education & Research (together with Aránzazu del Campo, Rainer Bargon, Eduard Arzt & Ronald Unger). In 2012 Dr. Kirkpatrick was awarded the Silver Medal & Haughton Lectureship from the Royal Academy of Medicine in Ireland (Section of Bioengineering) and the McGowan Institute Distinguished Lectureship, University of Pittsburgh, USA. Since 2013 he is an Honorary Member of the German Society for Biomaterials, and in 2014 he received the TERMIS-EU Career Achievement Award (awarded at the TERMIS congress in Genova, Italy).

He is a former Associate Editor of the Journal of Pathology (2001-2006) and Biomaterials (2002-2014) as well as a member of the Editorial Advisory Board of several journals in the biomaterials and regenerative medicine fields. He is a member of the Scientific Advisory Board of a number of research institutes, centres of excellence and companies in biomaterials and regenerative medicine in Europe, as well as the German Federal Institute for Drugs & Medical Devices (BfArM)(since 2007).

He is a Founding Fellow in three major international societies :  
Fellow of Biomaterials Science & Engineering (FBSE) of the IUS-BSE (International Union of Societies for Biomaterials Science & Engineering) (1996)  
Fellow of EAMBES (European Alliance of Medical & Biological Engineering & Science)(2012),  
and  
Fellow of Tissue Engineering & Regenerative Medicine (FTERM) of the Tissue Engineering & Regenerative Medicine International Society (TERMIS)(2012)