



## Brief biographical note

**C. James Kirkpatrick** has a triple doctorate in science and medicine (MD, PhD, DSc) from the Queen's University of Belfast (N. Ireland) and since 1993 is Professor of Pathology and Chairman of the Institute of Pathology at the Johannes Gutenberg University of Mainz, Germany.

Previous academic appointments were in pathology at the University of Ulm (1980-1985), Manchester University, UK (1985-1987) and the RWTH Aachen (1987-1993).

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).

### **His professional and scientific activity comprises:**

Author/coauthor of 375 publications in peer-reviewed journals, and more than 1000 presentations to scientific meetings worldwide. He is a former President of both the German Society for Biomaterials (2001-2005) and the European Society for Biomaterials (2002-2007), and from the latter he received in 2008 the George Winter Award for his contribution to biomaterials in Europe. 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".

**Name , salutation:** Univ.-Prof. Charles James Kirkpatrick, MD, PhD, DSc, FRCPath

### **Current appointment:**

Professor of Pathology & Chairman of the Institute of Pathology, University Medical Center of the Johannes Gutenberg University, Mainz, Germany



### **Educational Background:**

Graduate of the Queen's University of Belfast, UK :

- B.Sc. (hons, 1. Class) in anatomy 1972
- Ph.D. in experimental pathology 1977
- M.B., B.Ch., B.A.O. in medicine 1978
- M.D. (hons.) 1982
- D.Sc. 1992

Awarded M.D. (habil.) University of Ulm, Germany 1984

### **Experience:**

#### **Membership of Professional Organizations:**

British, German and American Societies for Cell Biology

British, German and European Societies for Pathology

International Academy of Pathology

American Society for Investigative Pathology

American Physiological Society

German Society for Biomaterials (**President** 2001-2005)

European Society for Biomaterials (**Council member** since 1995, **President** 2002-2007)



## 4th International Conference "Biomaterials, Tissue Engineering & Medical Devices"



Founder member of the European School of Cardiovascular Pathology (Council member 1995-2000)

European Shock Society

German Society for Regenerative Medicine (Member of Scientific Advisory Board since 2005)

Tissue Engineering & Regenerative Medicine International Society (**TERMIS-EU Council member** 2006-2008; 2010-2012)

### **Member of the Scientific / International Advisory Board [selected institutions]:**

- Medical Technology Committee, Federal Ministry of Education & Research, Germany (BMBF) (since 2005)
- Federal Institute for Drugs & Medical Devices, Bonn, Germany (since 2007)
- VINN Excellence Center of Biomaterials & Cell Therapy (BIOMATCELL), Sweden (since 2007)
- Berlin-Brandenburg Center for Regenerative Therapies, Germany (since 2007)
- CIBER-BBN, Centro Investigación Biomédica en Red – Bioingeniería, Biomateriales y Nanomedicina, Network of Excellence of the Spanish Ministry of Health & Ministry of Science (since 2008)
- Institute of Biomedical Engineering (INEB) of the University of Porto, Portugal (since 2009, Board Chairman)

### **Research/clinical interest**

Research activity in the field of:

- ◆ **Biomaterials, Tissue Engineering & Regenerative Medicine** [focus on biomaterials and strategies for vascularization and nanomedicine]
- ◆ **Coculture models of human cells** to study mechanisms of regeneration [focus on bone] and barrier systems [focus on lung]
- ◆ **Development of relevant *in vitro* methods** to reduce animal experimentation

### **Present Areas of Research**

The ongoing research work is characterized by the following keywords: Polymer scaffolds, Hydrogels, Regenerative medicine & tissue engineering, Vascularization, Human in vitro models, Co-culture systems, Bone regeneration, Cartilage regeneration, Nanomedicine, Cell-nanoparticle interactions

**Title of BIOMMEDD 2010 lecture:**

***Using 3D culture systems in biomaterial research for Tissue Engineering & Regenerative Medicine***