



## **Alicia El Haj: Member**

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Professor Alicia El Haj is Theme Lead of Bioengineering and Therapeutics at Keele. She is a leading figure in Regenerative Medicine and has been involved in bringing together interdisciplinary groups within biomedicine, physical sciences and engineering interested in aspects of cell and tissue engineering. She has been a founder Director of The Institute of Science & Technology in Medicine (ISTM) which has rated highly; 5A, 5\* and 5A through the past 3 RAE assessments.

Professor El Haj is the Research Director of an EPSRC Doctoral Training Centre in Regenerative Medicine, one of the co-directors of the new EPSRC Centre for Innovative Manufacturing Centre in Regenerative Medicine and a collaborator in the new Arthritis Research UK Tissue Engineering Centre. She has published over a 100 publications with an emphasis on engineering solutions for controlling stem cell behaviour and new orthopaedic repair strategies using novel enabling technology approaches with funding from Engineering and Physical Sciences Research Council (EPSRC), Biotechnology and Biological Sciences Research Council (BBSRC), Wellcome Trust, Arthritis Research UK and EU Framework.

Prof. El Haj is a Chair elect of the European council for the Tissue Engineering & Regenerative Medicine International Society (TERMIS), a member of the UK National Stem Cell Advisory Board, the International Federation for Medical and Biological Engineering (IFMBE) Working Group for Cellular Engineering, and the Institute of Physics and Engineering in Medicine (IPEM) Academic Advisory board. She is on the editorial board of the Journal of Tissue Engineering and Regenerative Medicine (JTERM) and Tissue Engineering and is currently serving as a member of the Medical Research Council's Developmental Pathway Funding Scheme (DPFS) Panel and the Higher Education Funding Council General Engineering 2014 Review Panel.

In July 2012, Prof. El Haj has been shortlisted for the Women of Outstanding Achievement Award for Leadership and Inspiration (2012 WISE Awards).

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## **Monique Frize: Chair**

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**Bio:** Monique Frize is also Professor Emerita at University of Ottawa. She was a biomedical engineer for 18 years in hospitals (1971-1989) and a Professor since 1989. Monique Frize published over 200 papers in journals and conference proceedings on artificial intelligence in medicine, infrared imaging, ethics and women in engineering and science. She is Senior Member of IEEE, Fellow of the Canadian Academy of Engineering (1992), Fellow of Engineers Canada (2010), Officer of the Order of Canada (1993) and recipient of the 2010 Gold Medal from Professional Engineers Ontario and the Ontario Society of Professional Engineers. She received five honorary doctorates in Canadian universities since 1992.

Monique held the national Northern Telecom/NSERC Chair for women in engineering at the University of New Brunswick between December 1989 and June 1997, then the NSERC/Nortel Chair for women in science and engineering for Ontario between July 1997 and June 2002. She was a founding member of INWES (International Network of women engineers and scientists) in 2002 and its president between 2002 and 2008. In 2007, she was a founding member of the INWES Education and Research Institute, a charity organization, and is its president since 2007. Monique has published extensively on the topic of women in science and engineering over the two last decades. Her book: *The Bold and the Brave: A history of women in science and engineering* was released by University of Ottawa Press in November 2009.



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## **Birgit Glasmacher: Member**

Prof. Birgit Glasmacher graduated in Mechanical and Chemical Engineering from RWTH Aachen University in Aachen, Germany. She received her master's degree in Biomedical Engineering Sciences from the University of Dundee, UK and her Ph.D. from the Faculty of Mechanical Engineering at RWTH Aachen University. She worked as Post-Doc and then as head of the Department of Cryobiology & Biomaterials of the Institute for Biomedical Technologies, Helmholtz-Institute for Biomedical Engineering (HIA) at RWTH Aachen University before she was appointed Full Professor for Multiphase Processes and Director of the Institute for Multiphase Processes, Faculty of Mechanical Engineering at Leibniz Universitaet Hannover (LUH). She is spokeswoman of the Center for Biomedical Engineering at LUH. She has been the Secretary General of the European Society for Artificial Organs (ESAO) from 2008 to 2011 and the Secretary of the International Society for Cryobiology (SFC) from 2007 to 2009.

She serves on the Board of the International Faculty for Artificial Organs (INFA) and also in the German Association of Engineers (VDI) in Hannover. She recently became member of the committee of Women in Biomedical Engineering (WiBME) of IFBME (International Federation for Medical and Biological Engineering). She served as Co-chairs of the annual meeting of the SLTB 2009 in Hannover, of the annual meeting of the DGBM in 2007 in Hannover, and as co-organizer of the ESAO 2003 meeting in Aachen.

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### **Eleni Kaldoudi: Member**

**Email:** kaldoudi@med.duth.gr

**Bio:** Eleni Kaldoudi received the Diploma degree in Physics from the Aristotle University of Thessaloniki (AUTH), Greece in 1987, the MSc in Medical Physics and a Certificate in Management Studies from the University of Surrey, UK in 1989 and the PhD degree in Medical Physics and Bioengineering from UCL, London University, UK, in 1994. She is currently an Assistant Professor in Physics of Medical Imaging – Telemedicine at the Medical School of Democritus University of Thrace, Greece. Formerly, she has been an

Associate Researcher in the Institute of Computer Science, Foundation of Research and Technology – Hellas (ICS-FORTH). Her research interests are within Medical Informatics and Telematics, with emphasis on technologies supporting medical education, home care telematics, medical image management, and magnetic resonance imaging, areas in which she has published one book, two book chapters and over 50 papers in various journals and conference proceedings. She has also participated in more than 20 competitive EU and national R&D projects, while she has acted as a member of Greek National Representatives team for the EU FP7 Programme “Capacities: Regions of Knowledge, Research Potential and Coherent Development of Policies” (2006-2010).

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### **André Linnenbank: Member**

André Linnenbank received his MSc in Physics in 1989 from the University of Amsterdam and his PhD from the same university in 1996.

He is a member of the Board of the The Netherlands' Society for Biophysics and Biomedical Engineering since 2006. He is currently the chair of the Council of Societies. Within the IFMBE he is also a member of the Working Group on Developing Countries.

He has been interested in the issues of technology in developing countries and participation of women in technology for more than 30 years. His research interests include, among others, the origin of biopotentials, especially ECG's, mechanisms of cardiac arrhythmias, signal processing, 3D modelling, and scientific visualisation. He has (co)authored over 60 papers and abstracts for conferences on these various subjects.

He has also made scientific illustration for many articles, covers for books and theses as well as free work in computer generated images and ceramics.



## **Susana Llanusa Ruiz: Member**

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**Bio:** Auxiliar Professor and researcher in the National School of Public Health, Havana, Cuba. Susana graduated in Electrical Engineering, Instituto Superior Politécnico José Antonio Echevarría, Technical University of Havana, 1981. Specialization in Digital Systems, Center for Computational Training, 1983. Master in Public Health, National School of Public Health, Cuba, 2004. She is Past President of the Latin American Regional Council on Biomedical Engineering (2004-07) and Vice-president during 2001-2003. President of Cuban Bioengineering Society since 1999 and Vice-president between 1995-1999.

Susana was President of the Organizing Committee for Latin American Congress on Biomedical Engineering, Havana 2001 and the V edition, 2011 in Havana, V, VI, VII and VIII Congress of the Cuban Bioengineering Society, Havana 2003, 2005, 2005 and 2007.

Susana was expert of the research Program of health policy and systems in Cuba. She published 21 papers and co-authored four electronic books. She presented at more than 50 international and national conferences.

Honors: Carlos J. Finlay Price, Cuban Academia of Sciences, Authors of the medical devices: MEDICID 03M and Neurónica, 1990. Scientific achievement of the Period 1985-90 devices, technologies and applications for diagnosis of brain diseases, 1991, Cuban Academia of Sciences, 1991. Distinction “José Tey” for 20 years of Education in Cuba (2007). Her latest research has been in the field of health system and services.



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## **Shauna Mullally: Member**

Shauna Mullally is a biomedical engineer who specialises in the management of medical equipment in low-income countries. Originally from Canada, Shauna spent three years in the Gambia, West Africa, as the Head of Biomedical Engineering at the UK’s Medical Research Council Unit. While in the Gambia, she also opened a birthing house in a rural village. Shauna has worked for the Tropical Health and Education Trust (THET)’s Zambia programme in Lusaka, developing the curriculum for a three-year diploma course in biomedical engineering technology, and worked in Geneva for the World Health Organization’s Medical Devices Unit. She holds an undergraduate degree in systems engineering and a masters degree in applied science (electrical engineering); her thesis was the largest study of the effectiveness of biomedical engineering services in low-income country hospitals done to date. Shauna has received numerous awards for academic success and volunteerism. She is an Action Canada fellow, a past Engineers Without Borders Canada university co-president and the founder of Carleton University’s Go Eng Girl! programme. Shauna is currently consulting on a variety of projects focused on building medical equipment maintenance and management capacity in low-income countries, including the development of a new medical equipment partnerships programme for THET.



## Laura Poole-Warren: Vice-Chair

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**Bio:** Laura Poole-Warren received her PhD in Biomedical Engineering in 1990 and commenced an academic position at The University of New South Wales (UNSW) in 1995. Her academic career at UNSW to date has focussed on research and teaching in the biomaterials and tissue engineering field. In 1999 she spent two years as a Research Professor at Rutgers University in the USA and during that time worked closely with the biomedical device industry. On

returning to Australia, she continued to build her research at UNSW and in 2006, she was appointed the Associate Dean Research in Engineering, a position she held until being appointed as Dean of Graduate Research at UNSW in 2010. She currently has executive responsibility for the Graduate Research School, the major unit concerned with administration of the more than 3000 graduate research candidates enrolled at UNSW. The other major part of her leadership role is in developing and implementing strategy and policy relating to higher degree research at UNSW and interacting with major partners such as the Group of Eight, Universitas 21 and China 9 Universities. She continues to co-lead her research group at the Graduate School of Biomedical Engineering. In this role she supervises 3 post-doctoral fellows, three PhD students and several undergraduate and Masters thesis students. Her grant income was approximately \$2.8 million over the past 5 years and she has published over 100 journal papers, conference proceedings and book chapters. She is also currently on the editorial board of three biomedical engineering and biomaterials journals.



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## Maria Siebes: Member and Past Chair

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**Bio:** Maria Siebes received her Diplom-Ing. degree (Honors) in 1981 from the University of Applied Sciences in Giessen, the first institution in Germany to offer a program in Biomedical Engineering.

After 2 years employment as a Research Engineer in Cardiology at the Kerckhoff-Klinik for Heart and Lung Research, she received a Fulbright Scholarship and started graduate studies in Biomedical Engineering at the University of Southern California in Los Angeles, where she obtained her M.S. (1984) and Ph.D. (1989) degrees, with fellowships from AAUW and ZONTA International. From 1983 - 1989 she also worked as a member of the Biomedical Image Processing Group at the Jet Propulsion Laboratory/California Institute of Technology in Pasadena, CA.

In 1989, she became Asst. Professor the Dept. of BME at the University of Iowa in Iowa City, IA, where she received an Outstanding Teacher Award and research grants from NIH, NSF and

the Whitaker Foundation, among others. In 1996, she spent 9 mos as a Visiting Scientist at the Cardiovascular Research Institute of the University of Amsterdam. Dr. Siebes returned to Europe in 1997 and worked as a Senior Research Scientist at the Dept. of Cardiology at the Academic Medical Center, University of Amsterdam. In 2002, she joined the Dept. of Biomedical Engineering and Physics as University Docent became Principal Investigator in 2007.

Her research interests are cardiovascular hemodynamics and perfusion, focusing on the coronary circulation, and she is involved in the Virtual Physiological Human initiative. Her interdisciplinary research ranges from bench to bedside and is funded by grants from the Netherlands Heart Foundation, EU FP7-ICT program (euHeart), and by a national consortium grant from the Center for Translational Molecular Medicine. Dr. Siebes is a Fellow of AIMBE, senior member of IEEE-EMBS, and member of Sigma Xi, AHA, APS and national societies. She serves as Council Member of EAMBES and chaired the IFMBE Women in MBE Committee from 2003-2009.