



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



Brief biographical note

Dr. Santin is a Reader in Tissue Regeneration at the School of Pharmacy and Biomolecular Sciences, University of Brighton, UK. Dr. Santin is the leader of the Brighton Studies in Tissue-mimicry and Aided Regeneration group and the leader of the module in Biomaterials and Tissue Engineering delivered to Biomedical Science and Biology undergraduate students at the School of Pharmacy and Biomolecular Sciences. In the past he has also worked for the Institute of Protein Biochemistry and Enzymology, Consiglio Nazionale delle Ricerche, Naples, Italy, for Institute of Materials Science, University of Connecticut, USA and the Institute of Anatomy, University of Turin (now Independent University of Eastern Piedmont), Novara, Italy. Dr. Santin achieved his first degree in Biological Sciences and a PhD in Biomaterials at the University of Naples, Italy. Later, he achieved a PhD in Biomedical Sciences at University of Brighton, UK.

Dr. Santin's career in biomedical research and teaching spans over 20 years and it has been marked by significant achievements that were internationally recognised in 2005 by the European Society for Biomaterials who conferred him the Jean Leary Award. His scientific interests spans from the synthesis and engineering of natural biomaterials such as soybean-based biomaterials and silk fibroin to the development of biomimetic coatings based on nano-structured biomaterials to the establishment of *in vitro* clinically-reflective models for the testing of biomaterials and tissue engineering constructs. He has published papers that unveil for the first time the biochemical and cellular mechanisms of inflammatory response to silk fibroin, new cellular mechanisms leading to the failure of medical devices and that demonstrate the development and tissue regeneration potential of novel soybean-based biomaterials

Dr Santin has achieved:

- Publication of 45 papers in peer-reviewed international journals..
- Publication of a book entitled 'Strategies in Regenerative Medicine: Integrating Materials Science with Biology' Springer 2009.
- Research projects grants for an overall budget of over €2.5million by public, charitable and private organisations.
- Publication of over 130 refereed abstracts.
- Filing of 7 patent applications.

Dr. Santin is an Associate Editor of the Journal of Materials Science: Materials in Medicine, the official journal of the European Society for Biomaterials. In 2009, he has acted as an expert for the drafting of the Road Map towards 2020 for Regenerative Medicine that has been commissioned by the European Commission through the European Technology Platform on Nanomedicine.

He is an elected member of the Council of the European Society for Biomaterials that he serves with a role of Liaison Officer of the Society for the Young Scientist Forum (YSF). He is also a selected member of the UK Society for Biomaterials, of the UK Biomedical Device Division,



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Biomaterials Committee, Institute of Materials, Metallurgy and Mining, The Royal Society and of the Furlong Charitable Foundation, a UK charity with a mission in supporting research in the orthopaedic field.

In 2007, he was Chairman of the 21st European Society for Biomaterials Conference and co-organiser of the UK Society for Biomaterials Conference 2003 and Polymers in Medicine and Surgery (2004 and 2007). Dr. Santin has been invited to deliver plenary or keynote lecturer to a number of international.

