

Application of another turn as ISBF Board Member

Short CV Prof. Dr. Jürgen Groll

Jürgen Groll was born in 1976 and studied chemistry at the University of Ulm (Germany) from 1995 to 2000. He received his Ph.D., during which he spent a 6 month research internship with Virgil Percec (Philadelphia, USA), in 2004 from the RWTH Aachen (Germany) with summa cum laude after working under the guidance of Martin Möller. From 2005 to 2009, he worked for 4 years in industry at SusTech GmbH & Co KG (Darmstadt, Germany) in the field of functional coatings and nanotechnology. In parallel, he built up a research group on polymeric biomaterials at the DWI interactive materials research institute in Aachen (Germany). Since August 2010 he holds the chair for functional materials in medicine and dentistry at the University of Würzburg (Germany). His research interest comprises applied polymer chemistry, nanobiotechnology, biomimetic scaffolds, immunomodulatory materials and biofabrication. From 2012 until 2017 he acted as coordinator of the large scale integrated European project HydroZONES (contract no 309962; www.hydrozones.eu) that concerned the bioprinting of cartilage tissue. Furthermore, he was awarded an ERC consolidator grant (Design2Heal, contract no° 617989) that deals with the quest for generic design criteria for biomaterials to induce a healing response. Since January 2018, he is the founding spokesman of the translational collaborative research center SFB/TRR 225 "From the fundamentals of Biofabrication to functional tissue models" that comprises 38 PIs from 3 universities and 2 university hospitals in Würzburg, Bayreuth and Erlangen. This is the first large scientific network funded by the German scientific fund (DFG) in the field of biofabrication and supported with over 10 Million Euro for 4 years and the option for extension after evaluation. For his work, he received a number of awards, such as the Henkel Innovation Award (2007), the Bayer Early Excellence in Science Award (2009), the Reimund-Stadler Award of the German Chemical Society - Section Macromolecular Chemistry (2010) and the Unilever Prize of the Polymer Networks Group (2014). He currently serves as editorial board member of the journal biofabrication and as board member of the international society for biofabrication.

Statement for board membership

In the last 6 years I have been creating an international network within the Biofabrication scientific community, and since being a member of the board, I have taken responsibility for the society in trying to help shape the field with strong influence of the ISBF through definition and opinion papers (one on the field of biofabrication, a second one on bioinks that is under review at the moment), through acting as guest editor for a special issue on bioinks in the journal biofabrication, and at the moment by organizing the annual conference of our society.

In my next period of board membership, I would like to use this experience to actively foster and strengthen the influence and presence of the ISBF. I strongly believe that each board member in the future needs a general commitment and specific responsibility to play a more active role for the ISBF and the field in general, to make sure the ISBF is "the" biofabrication society and visible as such. I would be happy to take more responsibility in supporting the respective organizer of the annual meetings and also in identifying people who are willing to act as organizers for future meetings, and I would be happy to support future opinion and consensus papers by ISBF board members in different scientific media to ensure influence and presence of the society.