Sandra Van Vlierberghe

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Sandra VAN VLIERBERGHE was granted a permanent professorship at Ghent University (Belgium) in 2017. Her research focusses on the synthesis of photo-responsive (bio)polymers (polyesters, polyethers, proteins, etc.) and their processing capabilities using deposition- and light-based 3D printing techniques (i.e. two-photon polymerization (2PP), digital light projection (DLP) and volumetric 3D-printing) to serve biomedical applications. In addition, she also holds a 10% guest professorship at Vrije Universiteit Brussel (Belgium) and was guest professor at University of Lille (France) in 2017 and 2018. She received her PhD in Sciences (Chemistry) in 2008 at Ghent University. She is treasurer of the Belgian Polymer Group (BPG), TERMIS-EU (Tissue Engineering and Regenerative Medicine International Society) council member since 2019 and ESB (European Society for Biomaterials) council member since 2021. She is also founding board member of GATE (Ghent Alliance for Advanced Therapies and Tissue Engineering) and secretary of BSTE (Belgium). Since 2020, she serves on the Board of Directors of the Fernand Lazard Foundation. In 2017, she received the Jean Leray Award from the European Society for Biomaterials (ESB). She is also very active in research valorization, as reflected by her role as co-founder and scientific advisor of the spin-off BIO INX (https://bioinx.com/).

Title of conference:

Volumetric 3D-printing of photo-crosslinkable polymers to serve biomedical applications