

Prof. dr. ir. Pascal Jonkheijm

Jonkheijm (1978) obtained his PhD from the Eindhoven University of Technology (NL, 2005) with Prof. Dr. E. W. Meijer as advisor on macromolecular engineering of pi-conjugated oligomers into nanoscopic objects using supramolecular interactions. His thesis was awarded with the 2006 Houwink Award on Macromolecular Organic Chemistry. After that, Jonkheijm moved for a post-doctoral stay as an Alexander von Humboldt fellow to the Chemical Biology department of Prof. Dr. H. Waldmann (Germany, Max Planck Institute for Molecular Physiology). His research interests included protein microarrays and surface microstructuring techniques. In 2008 he became Assistant Professor in the Molecular Nanofabrication group of Prof. Dr. J. Huskens at the University of Twente and MESA+ Institute for Nanotechnology. In 2013 he was appointed there as Associate Professor and in 2019 he was installed there as Full Professor leading the Biointerface Chemistry Group. In 2017 he has been a visiting Professor at the Institute of Biomaterials and Biomedical Engineering, University of Toronto, Canada. He received career development grants for early (VENI, 2008) and experienced (VIDI, 2013) researchers of the Dutch Innovation Research Incentive Scheme. He received the Young Investigator Award of the Biomedical Materials Program (2010) and a Starting Grant of the European Research Council (2010). He has recently received (2018) the Gold Medal of the Royal Netherlands Chemical Society. Recently he received a NWO-XL consortium grant and participates in the ITN EU network Dirnano.

Present research interests include: cell-instructive biointerfaces, self-assembly, cell-surface interactions, dynamics, organic materials, biomimetics. He is (co)author of over 135 refereed research papers and two granted patents. He explores commercial potentialities through three ERC Proof-of-Concept grants (2017, IMPLANTaLife; 2014, BioStealth; 2012, Multichip) and co-founded in 2016 Lipocoat B.V, a high tech spin-off that commercializes bio-inspired coatings for healthcare applications.