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**Christophe Marquette** received the Doctorat de spécialité in Biochemistry (1999) from the Université Claude Bernard-Lyon 1. After a two years post-doctoral fellowship at the Concordia University (Canada, Qc), he integrated the Centre National de la Recherche Scientifique (CNRS) in 2001.

He is presently permanent **Research Director** and **Deputy Director** at the Institut de Chimie et Biochimie Moléculaires et Supramoléculaires (ICBMS, UMR5246, CNRS-Université Lyon1) and is in charge of the Biochips and Micro-arrays Group, dealing with biology/surface interaction and 3D printing of living cells. Since 1998, he is author or co-author of more than 115 articles, 13 book chapters, 7 patents and more than 100 communications.

He is also the founder and R&D director of the AXO Science Company.

He is also the founder of the unique 3d.FAB platform, specialised in additive manufacturing technologies for Life Science (<http://fabric-advanced-biology.univ-lyon1.fr/>).

### **Motivation to run for Board position of the International Society for Biofabrication (ISBF)**

Biofabrication and smart material fabrication have been my research focus for more than 15 years. The first 10 year I had worked on material modification and fabrication to host biological compounds able to produce smart diagnostic tools (biosensors, microarrays, and cells biochips). Then, for the last 5 years, part of my group have been working on biofabrication using 3D printing and bioprinting with a focus on regenerative medicine. I really believe these two fields of expertise can be a plus for the ISBF board but also that a close contact with the board will emulate my group research.

### **Selected publications**

- P1.** Corgier B.P., Laurent A., Perriat P., Blum L.J. and **Marquette C.A.**, A versatile method for direct and covalent immobilisation of DNA and proteins on biochips, *Angewante Chemie-International Edition* (2007), 46, 4108-4110.
- P2.** Heyries A.K., Blum L.J. and **Marquette C.A.**, Direct Poly(dimethylsiloxane) Surface Functionalization with Vinyl Modified DNA. *Chemistry of Materials* (2008), 20(4), 1251-1253.
- P3.** Le Goff G.C., Corgier B.P., Mandon C.A., De Crozals G., Chaix C., Blum L.J. and **Marquette C.A.**, Surface architectures for colorimetric microarrays. *Biosensors & Bioelectronics* (2012) 35(1), 94-100.
- P4.** Le Goff G.C., Blum L.J. and **Marquette C.A.**, Shrinking Hydrogel-DNA Spots Generates 3D Microdots Arrays. *Macromolecular Bioscience* (2013) 13(2), 227-33, DOI: 10.1002/mabi.201200370
- P5.** Mandon C.A., Blum L.J. and **Marquette C.A.**, Adding biomolecular recognition capability to 3D printed objects: 4D printing. *Analytical Chemistry*, 2016, 88(21), 10767–10772.
- P6.** Pourchet L., Thepot A., Dos Santos M., Boher A., Blum L. J. and **Marquette C. A.**, Human skin bio-printing using scaffold free approach, *Advanced Health Materials* (2017), 6, 1601101.
- P7.** Sigaux N., Pourchet L., Albouy M., Thépot A., **Marquette C.A.**, Is 3D Bioprinting the Future of Reconstructive Surgery? *Plastic and Reconstructive Surgery–Global Open* 5 (3), e1246, 2017.
- P8.** Mandon C.A., Blum L.J. and **Marquette C.A.**, 3D-4D printed objects: new bioactive material opportunities, *Micromachines* (2017), 8 (4), 102.
- P9.** Mandon C.A., Blum L.J., **Marquette C.A.**, Adding Biomolecular Recognition Capability to 3D Printed Objects: 4D Printing. *Procedia Technology*, 27, 2017, 1–2.