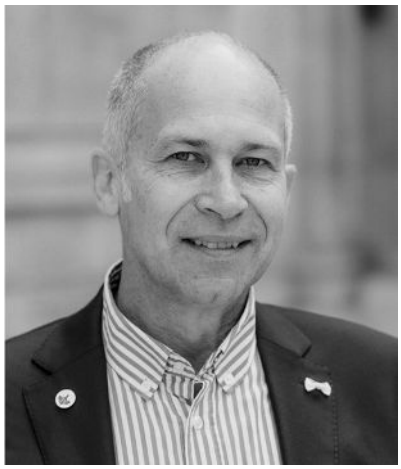
Plenary Speakers

Sébastien Lecommandoux

Université de Bordeaux (Bordeaux INP-ENSCBP), France



Sébastien Lecommandoux received his Ph.D. (1996) in Physical Chemistry from the University of Bordeaux. After a postdoctoral experience at the University of Illinois (UIUC, USA) in the group of Prof. Samuel I. Stupp, he started his academic career at the Laboratoire de Chimie des Polymères Organiques as Associate Professor in 1998 and was promoted to Full Professor at Bordeaux INP in 2005. He was Director of the Laboratoire de Chimie des Polymères Organiques (LCPO-CNRS) from 2016 to 2025, and is currently leading the group "Polymers Self-Assembly and Life Sciences". His research focuses on the rational design of bio-inspired polymer systems for advanced biomaterials and pharmaceutical applications, leveraging the self-assembly of polypeptide-based block copolymers to engineer functional polymersomes for targeted drug delivery. Beyond delivery platforms, his work develops biomimetic strategies to construct synthetic viruses and artificial cells, aiming to bridge molecular engineering with complex biological functionality for next-generation biomedical technologies. He published over 250 publications in international journal, 6 book chapters and 15 patents (3 being licenced, 1 start-up created Doxanano). He is also co-director of the joint laboratory LCPO-L'OREAL. Sébastien Lecommandoux is recipient of the CNRS Silver Medal (2025) after getting the CNRS Bronze Medal (2004), Institut Universitaire de France Senior Chair (IUF 2025, Junior in 2007), Fellow of the Royal Society of Chemistry RSC (2017), Elected member and Fellow of the European Academy of Science (EurASc 2026), Elected member of the Academia Europaea (2020), French Academy of Science Chemistry Seqens Award (2019), XingDa Lectureship Award from Peking University (2021).

He also recently holded the Chaire annuelle Innovation technologique Liliane Bettencourt, Collège de France (2024-2025). He is Editor-in-Chief of Biomacromolecules (ACS) since 2020 after serving as Associate Editor since 2013. He is also in the Editorial Advisory Board of several international journals, including Bioconjugate Chemistry (ACS), Polymer Chemistry (RSC), Biomaterials Science (RSC) and RSC Applied Polymers.

More information: https://www.lcpo.fr/people/faculties/sebastien-lecommandoux