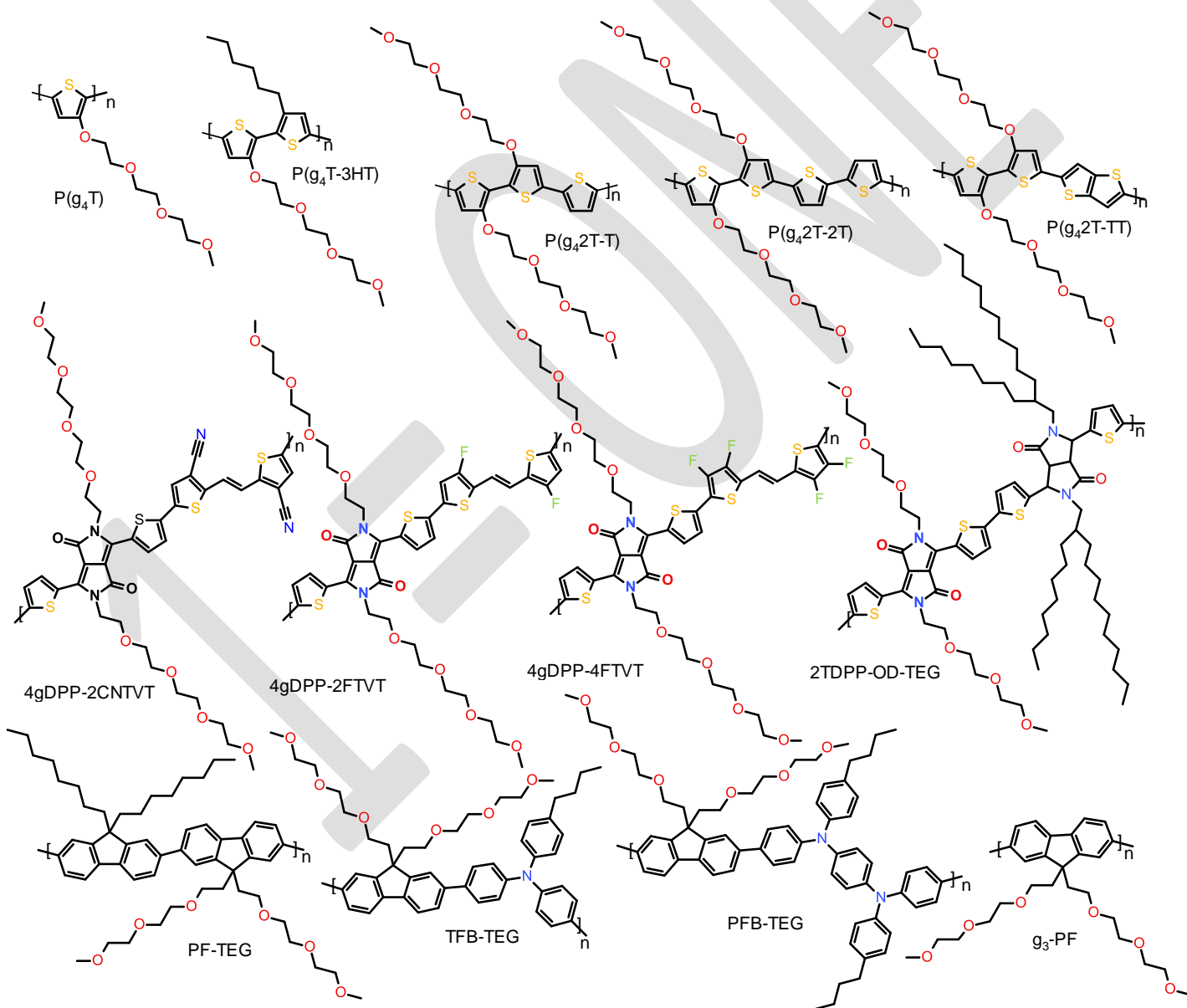




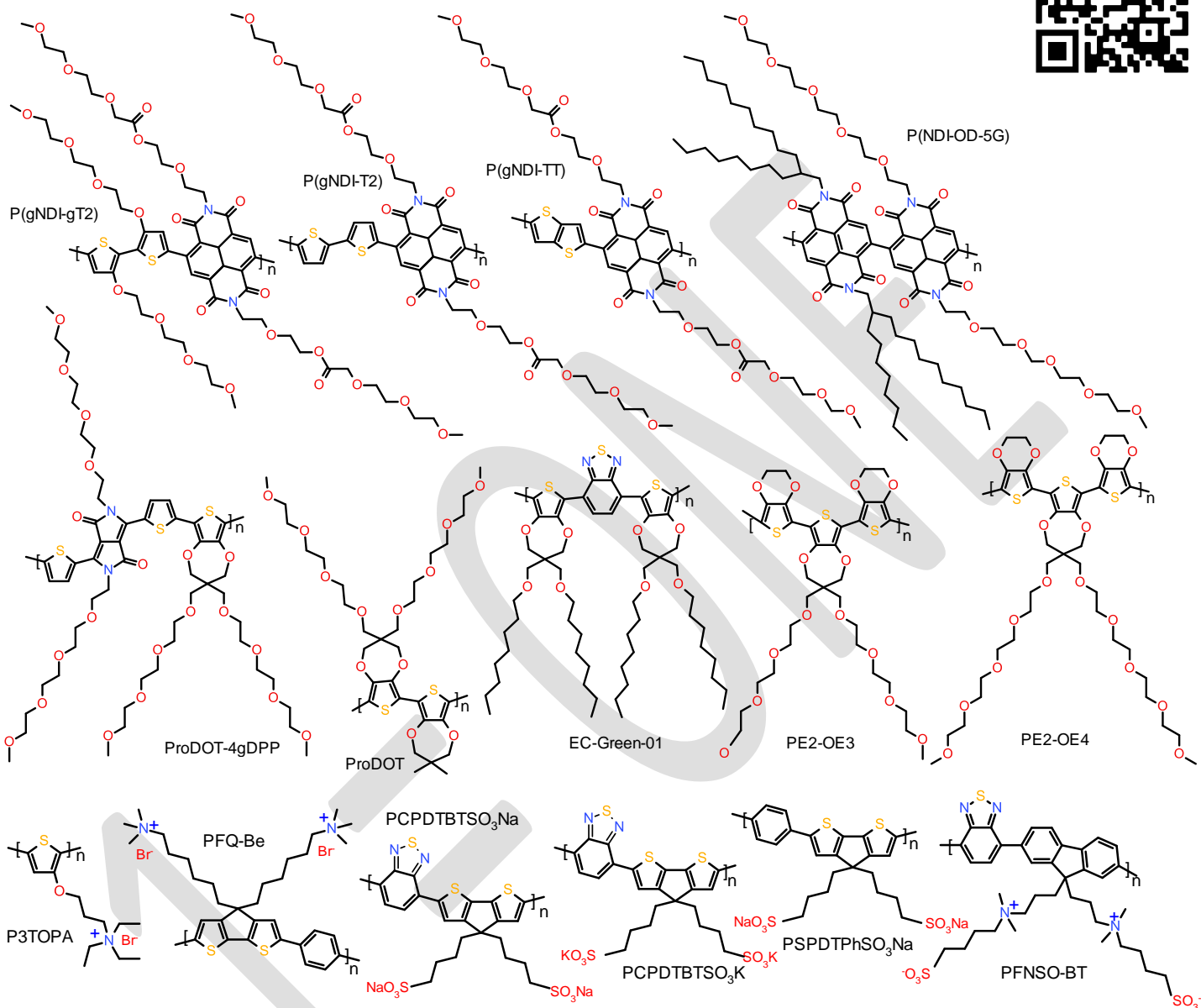
BioEL 2025 chaired by Dr. Cigdem Yumusak, Dr. Niyazi Serdar Sariciftci (JKU, Austria) and Dr. Tobias Cramer (University of Bologna, Italy) brings together experienced researchers, scholars, and junior researchers alike, to communicate and collaborate in cutting-edge research shaping the future of bioelectronics. Integrating electronics with the biological world using bio-inspired and/or bio-compatible, biodegradable materials and devices is the mission of this field. 1M is proud of supporting BioEL2025 with reproducible bio-compatible mixed ionic-electronic conductors as exemplified herein.

Examples of 1M Mixed ionic-electronic conductors



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Examples of 1M Mixed ionic-electronic conductors



Conjugated polymers that allow simultaneous transport of ionic and electronic charge carriers have been demanded for a wide range of applications, including organic electrochemical transistors, energy storage, electrochromic devices, neuromorphic computing and organic bioelectronics. Flanking conjugated backbones with long glycol side chains may enhance their interaction with hydrated ions and water and therefore facilitate electrochemical switching in aqueous solutions.

Other ion-electron transporting polymers can be custom made on demand, please contact info@1-material.com

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