**CEMBO PROJECT**

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Abstract length max 250 words CEMBO aims at developing Excellence in the Research Area of Combating and Evaluation of Mixed Biofilms. This will be achieved by twinning the Comenius University in Bratislava (CU), Faculty of Natural Sciences (FNS) with outstanding EU institutions with high expertise in the areas of anti-biofilm strategies and biofilm visualization. The goal of the CEMBO project is to provide CU with the opportunity to learn from partners, strengthen the research potential on CU with emphasis on building a Centre of Excellence in the field, concerning different aspects of mixed biofilms spanning from basic research over the dissemination of knowledge to possible applications in industry. CEMBO will allow the excellence development required for a consolidated strategic research approach and designing a set of guidelines including methodological route implemented through scientific events leading to exploitation and commercialization of the results that will have a strong regional, national, and European impact. This challenge is addressed by twinning CU with 2 leading EU research institutions: Amsterdam University Medical Centers (Amsterdam UMC), location Academic Medical Center (AMC), Netherlands, a global leader in the development and invention of novel antimicrobial strategies to combat biomaterial-associated infections; Charité Universitätsmedizin Berlin (CHAR), Germany, one of the largest and most prestigious university hospitals in Europe, is home to the Biofilmcenter, a laboratory internationally-recognized for its excellence in the field of diagnostics in biofilm infections.

[1] Dadi, N.C.T.; Bujdák, J.; Medvecká, V.; Pálková, H.; Barlog, M.; Bujdáková, H. Surface Characterization and Anti-Biofilm Effectiveness of Hybrid Films of Polyurethane Functionalized with Saponite and Phloxine B. Materials 2021, 14, 7583. https://doi.org/10.3390/ma14247583, results of which are stored at Zenodo platform.

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