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CIC biomaGUNE
MEMBER OF BASQUE RESEARCH & TECHNOLOGY ALLIANCE

seminar

Wednesday, 13th October, 9.30am, Online

Host: Dr. Susana Velasco

Integrating graphene into enzyme-based amperometric biosensors

Dr. Alessandro Silvestri
Carbon Bionanotechnology Lab
CIC biomaGUNE

Biosensing is emerging as one of the most prominent fields of application of graphene. Thanks to its large surface area, remarkable optoelectronic, thermal, and mechanical properties, graphene is considered the next-generation material in the biosensor market. However, a lot of questions remain still open. How is it possible to integrate this material into the industrial production line? How to minimize the production costs of the biosensors? How can we preserve the activity of the receptors in time? In this talk, we will give our perspective on these open issues, and we will describe different strategies to integrate graphene in enzyme-based amperometric biosensors.