

The most recent work carried out by the [Laboratory for Biological Characterisation of Advanced Materials \(LBCAM\)](#) led by Prof. Adriele Prina-Mello has been selected for the first issue of the recently launched [Precision Nanomedicine journal](#)

The critical identification of extracellular vesicle (EV) roles in precision medicine was carried out by John Savage, as part of his involvement in the Master degree in Molecular Medicine at the Trinity Translational Medicine Institute (TTMI) within the School of Medicine.

This work was carried out under the expert supervision of Dr. Ciarán Maguire and Prof. Adriele Prina-Mello. The paper titled 'Origins to Outcomes: A Role for Extracellular Vesicles in Precision Medicine' is published online as open access paper under the DOI:10.29016/180410.1. Extracellular vesicles (EVs) are a recent discovery in biological research and are of great interest currently as an untapped research resource. They demonstrate great potential in downstream applications, both in a regenerative medicine context and a clinical medicine context. It is known that EV characterisation must be carried out in series of measurements that are comparable to conventional nanomedicine. The expertise built by the LBCAM Nanomedicine group under the most recent H2020 infrastructure project titled 'European Nanomedicine Characterisation Laboratory (EUNCL)' have enabled the advanced characterisation and development of EV-focused-projects, such as the one carried out by Mr. Savage. The LBCAM Nanomedicine group are part of the key research efforts enabling technology R&D at TTMI (Trinity College Dublin) with the focus to translate innovative and breakthrough solutions in the biomedical and clinical sciences for the benefit of patients and society.

The director of the MSc. in Molecular Medicine Prof. Ross McManus commented: "It is great to see the Master students' involved in advanced nanomedicine research. It is an endorsement of the high quality technical and experimental skill set they develop during the programme and the excellent laboratory placements available ensure they are able to apply this knowledge to undertake cutting edge research".