

**Institute of Advanced Chemistry of Catalonia
Seminars**

Prof. Vernon Ward
University of Otago, Dunedin, New Zealand

Virus-like Particles as Carriers of Immunotherapy

Date

10:00 am
July 2nd 2019

Location

“Sala de Actos” room
Institute of Advanced Chemistry of Catalonia (IQAC-CSIC)
C/Jordi Girona 18-26, 08034 Barcelona

Abstract

Virus-like particles (VLP) are nano-particulate vaccines that can be manipulated to carry alternate immune epitopes. This presentation will investigate the use of VLP derived from Rabbit hemorrhagic disease virus (RHDV) as carriers for the generation of cell-mediated immunity for cancer immunotherapy. The production and modification of VLP through genetic modification and the conjugation of epitopes and other molecules for cellular targeting and adjuvant effects will be presented to illustrate the flexibility and effectiveness of the VLP platform. The use of nanofibres as a dry formulation for particulate vaccines will also be discussed.