

DSV Seminars 2016



UNIVERSITÀ
DEGLI STUDI DI TRIESTE

DIPARTIMENTO DI
SCIENZE DELLA VITA

PhD Program in Molecular Biomedicine

Monday, 19 September 2016 - 9:30

Aula Magna, M Building – Via Giorgieri, 10

Fulvia VASCOTTO

Deputy Head Vaccines & Cellular Immunotherapy
TRON – Translational Oncology at the University
Medical Center of the Johannes Gutenberg
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*Plenary lecture opening the students
mid-term presentations event*

Systemic mRNA vaccine and tumor environment study for the design of cancer immunotherapies

Immunotherapeutic approaches have evolved as promising and valid alternatives to available conventional cancer treatments. Amongst others, vaccination with tumor antigen-encoding RNAs by local administration is currently successfully employed in various clinical trials. To allow for a more efficient targeting of antigen-presenting cells (APCs), we have developed a novel RNA immunotherapeutic for systemic application which exhibited strong immunostimulatory properties and anti-tumoral effect in various preclinical models. The clinical translation of this pioneering therapeutic concept is currently being realized in a multi-center, first-in-human phase I trial in patients with malignant melanoma.

