

Dear all,

TRIMM and iCAN are pleased to inform you that

Director & Distinguished Scientist of Cancer Immunology at Genentech, San Francisco, **Dr Lélia Delamarre** will give a seminar on **Cancer Vaccines: potential and challenges** on Thursday the **10th of August** in **Biomedicum Lecture Hall 3, 12:00**.



Lélia's laboratory is dedicated to investigate innovative methods for enhancing anti-tumor T cell responses through priming. Currently, their research has shifted towards identifying tumor antigens that influence immune responses to cancer. Dr. Delamarre's work has demonstrated that cancer-specific mutations, known as neo-antigens, which accumulate in tumors, possess high immunogenicity and can stimulate protective T cell responses against cancer.

With the recent advancements in next-generation sequencing technologies, it has become possible to quickly and comprehensively discover cancer-specific mutations in individual patients.

This presents an exciting opportunity to develop new strategies that specifically target neoantigens.

During her visit, Dr. Delamarre is also serving as Manlio Fusciello's opponent on Friday 11th of August at 12:00 in Biocenter 2, Hall 2041 (Viikinkaari 5, Helsinki). The title of Fusciello's dissertation is Cancer vaccines: anti-tumoral t cell therapy on demand and the public defence can be watched online via <https://video.helsinki.fi/unitube/live-stream.html?room=l18>

You are all welcome to both events!

Manlio Fusciello and Vince Cerullo

Featured Publications:

- Predicting Immunogenicity of Tumor-specific Mutations by Combining Mass Spectrometry & Exome Sequencing.
Nature. 2014 Nov 27;515(7528):572-6.
Yadav M., Jhunjunwala S., Phung Q.T., Lupardus P., Tanguay J., Bumbaca S, Franci C. Cheung T.K., Fritsche J., Weinschenk T., Modrusan Z., Mellman I., Lill J.R., Delamarre L.
- IL-1 and IL-1ra are key regulators of the inflammatory response to RNA vaccines
Nature Immunology, ISSN: 15292916 15292908
Siri Tahtinen; Ann-Jay Tong; Patricia Himmels; Jaehak Oh; Andres Paler Martinez; Leesun Kim; Sara Wichner; Yoko Oei; Mark J. McCarron; Emily C. Freund; Zhainib Adel Amir; Cecile C. de la Cruz; Benjamin Haley; Craig D. Blanchette; Jill Schartner; Weilan Ye; Mahesh Yadav; Ugur Sahin; Lélia Delamarre; Ira Mellman

- Peripheral T cell expansion predicts tumour infiltration and clinical response
Nature, ISSN: 14764687 00280836
Thomas D Wu; Shravan Madireddi; Patricia De Almeida; Romain Banchereau; Ying-Jiun J. Chen; Avantika S. Chitre; Eugene Y. Chiang; Hina Iftikhar; William E. O’Gorman; Amelia Au-Yeung; Chikara Takahashi; Leonard D. Goldstein; Chungkee Poon; Shilpa Keerthivasan; Denise De Almeida Nagata; Xiangnan Du; Hyang-Mi Lee; Karl L. Banta; Sanjeev Mariathasan; Meghna Das Thakur; Mahrukh Huseni; Ballinger; Ivette Estay; Patrick Caplazi; Zora Modrusan; Lélia Delamarre; Ira Mellman; Richard Bourgon; Jane L. Grogan
- Antigen presentation in cancer: insights into tumour immunogenicity and immune evasion
Nature Reviews Cancer, ISSN: 14741768 1474175X
Suchit Jhunjunwala; Christian Hammer; Lélia Delamarre
- Teamwork by T cells boosts immunotherapy
Nature, ISSN: 14764687 00280836
Jonathan L. Linehan; Lélia Delamarre
- Coexpression of inhibitory receptors enriches for activated and functional CD8+ T cells in murine syngeneic tumor models
Cancer immunology research, ISSN: 23266074 23266066
Huizhong Xiong; Stephanie Mittman; Ryan Rodriguez; Patricia Pacheco-Sanchez; Marina Moskalenko; Yagai Yang; Justin Elstrott; Alex T. Ritter; Sören Müller; Dorothee Nickles; Teresita L. Arenzana; Aude-Hélène Capietto; Lélia Delamarre; Zora Modrusan; Sascha Rutz; Ira Mellman; Rafael Cubas