Singapore Immunology Network
SIgN

SIgN SEMINAR

Hosted by Prof Lam Kong Peng

Renata STRIPECKE (PhD)

Director
Institute of Translational Immuno-Oncology
University Hospital Cologne

It Is In The Kiss – Insights about EBV, Cancer, CAR-T Cells and Humanized Mice

Prof Stripecke is a molecular biologist graduated at the European Molecular Biology Laboratory in Heidelberg and is the Director of the Institute of Translational Immuno-Oncology at the University Hospital Cologne. Renata's translational focus is the genetic cell reprogramming for the treatment of cancer, to control acute and chronic infections, and to improve the immune reconstitution after stem cell transplantation. Her laboratory has developed induced dendritic cell vaccines and chimeric antigen receptor (CAR)-T cells against Epstein Barr Virus (EBV) and cytomegalovirus (CMV) that are associated with serious pathologies including cancer. Funded by the German Cancer Aid, the Stripecke Lab is developing CRISPR/Cas9 non-viral gene editing approaches for generation of CAR-T cells for safer and more potent clinical effects. In addition, novel humanized mouse models recapitulating herpes infections and cancer were developed to test new treatment modalities such as vaccines, check-point inhibitors and CAR-T cell therapies. Further, in collaboration with The Jackson Laboratory, the laboratory is exploring how to improve humanized mouse models in order to match the major histocompatibility complexes between human immune cells, mouse tissues and human tumors. Besides her academic duties, Renata is a founding shareholder and participates in the scientific leadership of Zelltechs/BioSyngen Pte Ltd, is scientific advisor for biotech companies, reviewer for international private and public funding agencies, editor and a peer-reviewer for several scientific journals.

23 April 2024 (Tuesday)
11 AM – 12 PM (Singapore Time)
SIgN Seminar Room
8A Biomedical Grove, Immunos, #04-06
Singapore 138648

Seminar is open for all to attend.

Registration is not required.