

IL-KANG NA

Group Leader Immune System | Nominee Voting Member



Scientific Development/ CV:

- 2007-2009 Postdoctoral Research Fellow, Memorial Sloan-Kettering Cancer Center (Prof. M. van den Brink)
- 2009 Principle Investigator at the BCRT and Experimental and Clinical Research Center
- 2011 Habilitation in Experimental Medicine, Charité – Universitätsmedizin Berlin: “Migration of T cells and Tumor cells”
- 2015 Board exam (certified in Hematology and Oncology)
- 2013 Board exam (certified in general Internal medicine)
- 2017 W2 Professorship for Therapy-induced Remodeling in Immuno-Oncology and senior physician at the Hem/Onc Department
- 2019 Speaker of the Graduate school “Berlin school of Integrative Oncology (BSIO)”

Expertise:

Immune dynamics in Cancer
Adoptive T cell therapy
Immune reconstitution after transplantation

Relevant Projects/ Highlights:

Determination of functional immune alterations derived from longitudinal monitoring to define response stratifiers for immune checkpoint inhibitor treatment, ongoing
Longitudinal plasticity of T cells in allogeneic hematopoietic stem cell transplantation (CITEseq), ongoing
Cytotoxic effects of rabbit anti-thymocyte globulin preparation on primary human thymic epithelial cells. **Transplantation**, 2019
A comparative analysis of human bone marrow-resident and peripheral memory B cells. **J Allergy Clin Immunol**, 2018
A transgenic dual-luciferase reporter mouse for longitudinal and functional monitoring of T cells in vivo. **Cancer Immunol Res**, 2018
Bone marrow T-cell infiltration during acute GVHD is associated with delayed B-cell recovery and function after HSCT. **Blood**, 2014
The cytolytic molecules Fas ligand and TRAIL are required for murine thymic graft-versus-host disease. **J Clin Invest**, 2010

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Focus

Tissue dynamics in regeneration and in response to therapeutic perturbations
2D/3D culture systems/ Organoids/ Organ chip technology

Goals

Next-generation patient staging pipelines - Integration of longitudinal omics-analyses in medical practice
Development of novel cell therapeutics

Education

Merge MD and PhD worlds to train more translational thinking and to plan projects with clinical impact
Engage PhD and MD students at an early stage of their career in a collaborative dialogue