



PERSONAL DETAILS

Luisa Betke, PhD
Saladin-Schmitt Strasse 43
44789 Bochum
Phone: 0201 723 4598
Email: luisa.betke@uk-essen.de
22.01.1992, Datteln (Germany)

EDUCATIONAL BACKGROUND

- 11/2023 - present **Laboratory manager** in the Institute for Experimental Cellular Therapy (University Hospital Essen)
- 03/2019 - 06/2023 **PhD student** in the Institute for Experimental Cellular Therapy (University Hospital Essen) enrolled at the Faculty of Biology of the University Duisburg-Essen
- 10/2015 - 07/2018 **Master of Science** in Biology at the Ruhr University Bochum
- 10/2012 - 08/2015 **Bachelor of Science** in Biology at the Ruhr University Bochum
- 08/2002 - 07/2011 **Abitur** - General qualification for University entrance at the Willy- Brandt Gymnasium, Oer-Erkenschwick

RESEARCH EXPERIENCE

- 03/2019 - 06/2023 **Doctoral dissertation** in the University Hospital Essen
Title: "HLA-DP-restricted CD4+ T cell immunity to human cytomegalovirus and its role for leukemia control by haematopoietic cell transplantation"
Prof.Dr. Katharina Fleischhauer; Institute for experimental cellular therapy
- 10/2016 - 04/2018 **Master Thesis** in the University Hospital Bergmannsheil, Bochum
Title: "Characterisation of pathological cytokine responses of monocytes and T-cells in response to human respiratory viruses in chronic obstructive pulmonary disease"
PD Dr. J. Knobloch, Department of Pneumology and Allergology

04/2015 - 08/2015

Bachelor Thesis at the Institute for Biopsychology, Ruhr University Bochum

Title: “Quantification of neuronal activity in the pigeon brain (*Columba livia*) by Arc In situ hybridization in consideration of temporal and spatial resolution inside the cell”

Prof. Dr. Dres. H.c. Onur Güntürkün

MEMBERSHIP IN SCIENTIFIC SOCIETIES

European Federation for Immunogenetics (EFI)

ORAL PRESENTATIONS

European Federation for Immunogenetics (EFI), 2020

Oral: “T-cell receptor deep sequencing to trace heterologous immunity between human cytomegalovirus and HLA-DP alloantigens”

European Federation for Immunogenetics (EFI), 2022

Oral: “HLA-DP-restricted immunity to Human Cytomegalovirus is directed against a variety of viral proteins, and modulated by its 84-87 DEAV/GGPM polymorphism”

European Federation for Immunogenetics (EFI), 2024

Oral: “Potential imprinting of frequent HLA-DPB1 alleles on the genome and immunogenicity of cytomegalovirus”

PUBLICATIONS

Impact of CMV reactivation on relapse of acute myeloid leukemia after HCT is dependent on disease stage and ATG. Blood Advances, 2021.

Amin T. Turki, Nikolaos Tsachakis-Mück, Saskia Leser, Pietro Crivello, Tobias Liebregts, **Luisa Betke**, Ferras Alashkar, Nils B. Leimkühler, Mirko Trilling, Katharina Fleischhauer, Dietrich W. Beelen.

The human cytomegalovirus-encoded pUS28 antagonizes CD4+ T-cell recognition by targeting CIITA. bioRxiv, 2023.

Fabienne Maaßen, Vu Thuy Khanh Le-Trilling, **Luisa Betke**, Thilo Bracht, Corinna Schuler, Malte Bayer, Antonia Belter, Tanja Becker, Benjamin Katschinski, Lori Frappier, Barbara Sitek, Katharina Fleischhauer, Mirko Trilling