

**PD Dr. rer. nat. Iris Bellinghausen**

\*13.08.1968

Working Group Leader

Department of Dermatology  
University Medical Center of the Johannes Gutenberg University Mainz  
D-55131 Mainz, Langenbeckstr. 1, building 401  
Tel: +49-6131-17 2238

[iris.bellinghausen@unimedizin-mainz.de](mailto:iris.bellinghausen@unimedizin-mainz.de)

[www.hautklinik-mainz.de/hautklinik/wissenschaftler/ag-prof-dr-salogapd-dr-bellinghausen.html](http://www.hautklinik-mainz.de/hautklinik/wissenschaftler/ag-prof-dr-salogapd-dr-bellinghausen.html)



**Academia**

- |             |   |
|-------------|---|
| 2011        | Venia legendi in Immunology, Johannes Gutenberg University Mainz  |
| 1993 – 1996 | Doctorate (Dr. rer. nat.), Department of Dermatology, University Medical Center of the Johannes Gutenberg University Mainz (Prof. Saloga) |
| 1990 – 1992 | Studies of industrial economics, Johannes Gutenberg University Mainz  |
| 1987 – 1996 | Studies of biology, Johannes Gutenberg University Mainz (Diploma)   |

**Career**

- |               |   |
|---------------|---|
| since 06/2014 | Safety officer  |
| since 10/2013 | Radiation safety officer  |
| since 05/2004 | Genetic engineer officer  |
| since 04/2010 | Project manager, Department of Dermatology, University Medical Center of the Johannes Gutenberg University, Mainz |
| 1996 – 2010   | Postdoc, Department of Dermatology, University Medical Center of the Johannes Gutenberg University Mainz          |

**Awards**

- |      |   |
|------|---|
| 2015 | Posterprize at the 10th German Allergy Congress         |
| 2004 | Herbert-Herxheimer-Prize of the DGAKI                   |
| 2003 | Travel Grant of 4th Joint Meeting of JSID, SID and ESDR |

## Selected Publications

Lang-Yona N, Kunert AT, Vogel L, Kampf CJ, **Bellinghausen I**, Saloga J, Schink A, Ziegler K, Lucas K, Schuppan D, Pöschl U, Weber B, Fröhlich-Nowoisky J. Fresh water, marine and terrestrial cyanobacteria display distinct allergen characteristics. *Sci Total Environ* 2018; 612:767-74

**Bellinghausen I**, Saloga J. Analysis of allergic immune responses in humanized mice. *Cell Immunol* 2016; 308:7-12

Eschborn M, Weigmann B, Reissig S, Waisman A, Saloga J, **Bellinghausen I**. Activated glycoprotein A repetitions predominant (GARP)-expressing regulatory T cells inhibit allergen-induced intestinal inflammation in humanized mice. *J Allergy Clin Immunol* 2015;136:159-68. IF: 11.476

Ulges A, Klein M, Reuter S, Gerlitzki B, Hoffmann M, Grebe N, Staudt V, Stergiou N, Bohn T, Brühl TJ, Muth S, Yurugi H, Rajalingam K, **Bellinghausen I**, Tuettenberg A, Hahn S, Reißig S, Haben I, Zipp F, Waisman A, Probst HC, Beilhack A, Buchou T, Filhol-Cochet O, Boldyreff B, Breloer M, Jonuleit H, Schild H, Schmitt E, Bopp T. Protein kinase CK2 enables regulatory T cells to suppress excessive TH2 responses in vivo. *Nat Immunol* 2015;16:267-75. IF: 20.004

**Bellinghausen I**, Reuter S, Martin H, Maxeiner J, Luxemburger U, Türeci Ö, Grabbe S, Taube C, Saloga J. Enhanced production of CCL18 by tolerogenic dendritic cells is associated with inhibition of allergic airway reactivity. *J Allergy Clin Immunol* 2012; 130:1384-93. IF: 11.476

Weigmann B, Schughart N, Wiebe C, Sudowe S, Lehr HA, Jonuleit H, Vogel L, Becker C, Neurath MF, Grabbe S, Saloga J, **Bellinghausen I**. Allergen-induced IgE-dependent gut inflammation in a human PBMC engrafted mouse model of allergy. *J Allergy Clin Immunol* 2012; 129:1126-35. IF: 11.476

Heydenreich B, **Bellinghausen I**, König B, Becker WM, Grabbe S, Petersen A, Saloga J. Gram-positive bacteria on grass pollen exhibit adjuvant activity inducing inflammatory T cell responses. *Clin Exp Allergy* 2012; 42:76-84. IF: 4.769

Martin H, Reuter S, Dehzad N, Heinz A, **Bellinghausen I**, Saloga J, Haasler I, Korn S, Jonuleit H, Buhl R, Becker C, Taube C. CD4-mediated regulatory T-cell activation inhibits the development of disease in a humanized mouse model of allergic airway disease. *J Allergy Clin Immunol* 2012;129: 521-8. IF: 11.476

**Bellinghausen I**, König B, Böttcher I, Knop J, Saloga J. Inhibition of human allergic T-helper type 2 immune responses by induced regulatory T cells (iTreg) requires the combination of IL-10-treated dendritic cells (DC) and TGF- $\beta$  for their induction. *Clin Exp Allergy* 2006;36: 1546-55. IF: 4.769

**Bellinghausen I**, Klostermann B, Knop J, Saloga J. Human CD4+CD25+ T cells derived from the majority of atopic donors are able to suppress Th2 cytokine production. *J Allergy Clin Immunol* 2003; 111:862-8. IF: 11.476

**Bellinghausen I**, Brand U, Steinbrink K, Enk AH, Knop J, Saloga J. Inhibition of human allergic T cell responses by interleukin 10-treated dendritic cells: differences to hydrocortison- treated dendritic cells. *J Allergy Clin Immunol* 2001; 108:242-9. IF: 11.476

**Bellinghausen I**, Metz G, Enk AH, Christmann S, Knop J, Saloga J. Insect venom immunotherapy induces IL-10 production and a TH2-to-TH1 shift, and changes surface marker expression in venom allergic subjects. *Eur J Immunol* 1997; 27:1131-9. IF: 4.034