



## CURRICULUM VITAE

**Name, DOB:** Joachim Saloga, MD, born April 13<sup>th</sup>, 1962  
**Title/Position:** Associate Professor for Dermatology, Assistant Clinical Director  
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**Medical School:**  
1982 – 1988 University of Münster, Germany

**Theses:**  
1989 MD thesis: Ultrastructural, cyto- and immunocytochemical investigation on Langerhans cells of the skin in experimental contact eczema in guinea pigs, University of Münster, Germany  
1996 “Habilitation”: Induction and modulation of cutaneous Th1- and Th2-dependent immune responses, University of Mainz, Germany

**Postdoctoral Training:**  
1989 - 1990 Resident in Dermatology, University of Mainz  
1990 - 1992 Research Fellow at Dept. of Pediatrics/Allergology (Prof. Gelfand), National Jewish Health, Denver, CO, USA  
1992 - 1994 Fellow in Dermatology, University of Mainz

**Licensure and Certification:**  
1994 Certification, Board of Dermatology, RLP, Germany  
1995/96 Certification, Allergology + Environ. Med. + Lab. Med (Derm.), RLP, Germany  
2007 Certification, Medical Quality Management, RLP, Germany  
2012 Clinical Trials Physician (Prüfarzt)

**Academic Appointments:**  
1995 Head of Allergy Unit of Department of Dermatology UMM  
1996 Assistant Professor for Dermatology, University of Mainz  
2000 Board Member of the Natl. Academic Society in Allergology (DGAKI)  
2001 Associate Professor for Dermatology, University of Mainz  
2004 Assistant Clinical Director of the Department of Dermatology UMM  
2015 Coordinator of the interdisciplinary Allergy Center RLP UMM  
2015 Member of Mainz Programme for Chemical Allergology (MPCA), a scientific cooperation of the Max-Planck-Institute for Chemistry Mainz and UMM  
2016 Member of the Center for Translational Nanomedicine (CTN) of UMM and the Max-Planck-Institute for Polymer Research in Mainz

**Awards and Honors:**  
1982 – 1988 Scholarship of the National Scholarship Foundation  
1990 - 1992 DFG Scholarship (USA)  
1996 Herbert-Herxheimer-Prize, DGAKI (Dt. Ges. für Allergologie und klin. Immunologie)  
2025 Erich-Fuchs-Prize, AeDA (Ärzteverband Deutscher Allergologen)  
Multiple Travel grants, Poster prizes,

**Funding Information:**  
Ten year grant from the German Res. Council (SFB 548): Regulation of allergic immune responses,  
Multiple single grants from the German Research Council DFG, Federal Country RLP, University etc.

## Selected recent Publications:

Khatri R., B. Weigmann, F. Shahneh, S. Sudowe, D. Schuppan, J. Saloga, I. Bellinghausen. Prevention of allergic airway and gut inflammation in humanized mice by lactobacilli, bifidobacteria, and butyrate. *Allergy* : (2024) DOI: 10.1111/all.16230

Heinl, P., E. Graulich, B. Weigmann, A. Wangorsch, R. Ose, I. Bellinghausen, R. Khatri, V. Raker, S. Scheurer, S. Vieths, J. Saloga, K. Steinbrink. IL-10-modulated dendritic cells from birch pollen- and hazelnut-allergic patients facilitate Treg-mediated allergen-specific and cross-reactive tolerance. *Allergy* 10: 2826-2839 (2024). doi: 10.1111/all.16255

Reinmuth-Selzle, K., I. Bellinghausen, A. L. Leifke, A. T. Backes, N. Bothen, K. Ziegler, M. G. Weller, **J. Saloga**, D. Schuppan, K. Lucas, U. Pöschl, J. Fröhlich-Nowoisky. *Chemical modification by peroxydinitrite enhances TLR4 activation of the grass pollen allergen Phl p 5*. *Front. Allergy* 4: 1066392. doi: 10.3389/falgy.2023.1066392 (2023)

Bellinghausen, I., R. Khatri, **J. Saloga**. *Current strategies to modulate regulatory T cell activity in allergic inflammation*. *Front Immunol* 13:912529 (2022) doi: 10.3389/fimmu.2022.912529

Ose R, Weigmann B, Schuppan D, Waisman A, **Saloga J**, Bellinghausen I. *Depletion of CD56+CD3+ invariant natural killer T cells prevents allergen-induced inflammation in humanized mice*. *J Allergy Clin Immunol* 148:1081-1087 (2021)

Wegner, J., **J. Saloga**, S. Grabbe, S. Wilden, N. Vewinger, J. Lutz, J. Weinmann-Menke, E. von Stebut. *IgE-specific immunoadsorption: New treatment option for severe refractory atopic dermatitis*. *Allergy* 74:1190-1193 (2019)

Ziegler, K., J. Neumann, F. Liu, J. Fröhlich-Nowoisky, C. Cremer, **J. Saloga**, K. Reinmuth-Selzle, U. Pöschl, D. Schuppan, I. Bellinghausen, K. Lucas. *Nitration of Wheat Amylase Trypsin Inhibitors Increases their Innate and Adaptive Immunostimulatory Potential in vitro*. *Frontiers in Immunology* 9: 3174-3184 (2018)

Bellinghausen, I., B. Weigmann, V. Zevallos, J. Maxeiner, S. Reißig, A. Waisman, D. Schuppan, **J. Saloga**. *Wheat amylase/trypsin inhibitors exacerbate intestinal and airway allergic immune responses in humanized mice*. *J Allergy Clin Immunol* 143:201-212 (2019)

Lang-Yona, N., A.T. Kunert, L. Vogel, Ch. J. Kampf, I. Bellinghausen, **J. Saloga**, A. Schink, K. Ziegler, K. Lucas, D. Schuppan, U. Pöschl, B. Weber, J. Fröhlich-Nowoisky. *Fresh Water, Marine and Terrestrial Cyanobacteria Display Distinct Allergen Characteristics*. *Sci Total Environ* 612:767-774 (2018)

Jappe, U., S. Minge, B. Kreft, A. Ludwig, B. Przybilla, A. Walker, R. Varga, P. Seidel, T. Biedermann, W. Anemüller, A. Krominga, F. Rueff, H. Merk, N. Wagner, R. Treudler, M. Worm, I. Waldmann, **J. Saloga**, W.M. Becker, T. Goldmann, T.A. Platts-Mills, A Hoffmann. *Meat allergy associated with  $\alpha$ -Gal – Closing diagnostic gaps by anti- $\alpha$ -Gal IgE immune profiling*. *Allergy* 73:93-105 (2018)

Pohlit, H., I. Bellinghausen, H. Frey, **J. Saloga**. *Recent Advances in the Use of Nanoparticles for Allergen-specific Immunotherapy*. *Allergy*. 72:1461-1474 (2017)

Reinmuth-Selzle, K., C. J. Kampf, K. Lucas, N. Lang-Yona, J. Fröhlich-Nowoisky, M. Shiraiwa, P. S. J. Lakey, S. Lai, F. Liu, A. T. Kunert, K. Ziegler, F. Shen, R. Sgarbanti, B. Weber, I. Bellinghausen, **J. Saloga**, M. G. Weller, A. Duschl, D. Schuppan and U. Pöschl. *Air Pollution and Climate Change Effects on Allergies in the Anthropocene: Abundance, Interaction, and Modification of Allergens and Adjuvants*. *Environ Sci Technol* 51: 4119-4141 (2017)

Treudler, R., A. Franke, A. Schmiedeknecht, B. K. Ballmer-Weber, M. Worm, T. Werfel, U. Jappe, T. Biedermann, J. Schmitt, R. Brehler, A. Kleinheinz, J. Kleine-Tebbe, H. Brüning, F. Ruëff, J. Ring, **J. Saloga**, K. Schäkel, T. Holzhauser, St. Vieths and J. C. Simon. *BASALIT-trial: Double blind placebo controlled allergen immunotherapy with rBet v 1-FV in birch related soy allergy*. *Allergy* 72: 1243-1253 (2017)

Treudler, R., A. Franke, A. Schmiedeknecht, B. K. Ballmer-Weber, M. Worm, T. Werfel, U. Jappe, T. Biedermann, J. Schmitt, R. Brehler, A. Kleinheinz, J. Kleine-Tebbe, H. Brüning, F. Ruëff, J. Ring, **J. Saloga**, K. Schäkel, T. Holzhauser, St. Vieths and J. C. Simon. *Standardization of double blind placebo controlled food challenge with soy within a multicentre trial*. *Clin Transl Allergy* 6: 39-49 (2016)

Pohlit, H., H. Frey, **J. Saloga**. *Could allergen-specific immunotherapy benefit from the use of nanocarriers?* *Nanomedicine* 11: 1329-31 (2016)

- Pohlit, H., I. Bellinghausen, M. Schömer, B. Heydenreich, **J. Saloga**, H. Frey. *Biodegradable pH-Sensitive Poly(ethylene glycol) Nanocarriers for Allergen Encapsulation and Controlled Release*. *Biomacromolecules* **16**: 3103-3111. (2015)
- Eschborn, M., B. Weigmann, S. Reissig, A. Waisman, **J. Saloga**, I. Bellinghausen. *Activated glycoprotein A repetitions predominant (GARP)-expressing regulatory T cells inhibit allergen-induced intestinal inflammation in humanized mice*. *J Allergy Clin Immunol.* **136**: 159-68. (2015)
- Heydenreich, B., I. Bellinghausen, L. Lund, H. Henmar, G. Lund, P. Adler Würtzen, **J. Saloga**. *Adjuvant effects of aluminium hydroxide-adsorbed allergens and allergoids – differences in vivo and in vitro*. *Clin Exp Immunol* **176**: 310-9 (2014)
- Bellinghausen, I., S. Reuter, H. Martin, J. Maxeiner, U. Luxemburger, O. Türeci, S. Grabbe, C. Taube, **Saloga J.** *Enhanced production of CCL18 by tolerogenic dendritic cells is associated with inhibition of allergic airway reactivity*. *J Allergy Clin Immunol.* **130**: 1384-93 (2012)
- Hofmann, C., S. Scheurer, K. Rost, E. Graulich, A. Jamin, K. Foetisch, **J. Saloga**, S. Vieths, K. Steinbrink, H.S. Adler. *Cor a 1-reactive T cells and IgE are predominantly cross-reactive to Bet v 1 in patients with birch pollen-associated food allergy to hazelnut*. *J Allergy Clin Immunol* **131**: 1384-92 (2013)
- Heydenreich, B., I. Bellinghausen, S. Lorenz, H. Henmar, S. Grabbe, D. Strand, P. A. Würtzen and **J. Saloga**. *The reduced T cell responses induced by glutaraldehyde modified allergoids are mainly caused by a retarded internalization by dendritic cells*. *Immunology* **136**: 208-217 (2012)
- Weigmann<sup>a</sup>, B., N. Schughart<sup>a</sup>, C. Wiebe<sup>a</sup>, S. Sudowe, H. Jonuleit, L. Vogel, C. Becker, M. F. Neurath, S. Grabbe, **J. Saloga<sup>a</sup>**, and I. Bellinghausen<sup>a</sup>. <sup>a</sup> Equally contributing first and senior authors. *Allergen-induced IgE-dependent gut inflammation in a human PBMC engrafted mouse model of allergy*. *J Allergy Clin Immunol* **129**: 1126-1135 (2012)
- Heydenreich, B., I. Bellinghausen, T. König, W.-M. Becker, S. Grabbe, A. Petersen, **J. Saloga**. *Gram-positive bacteria on grass pollen exhibit adjuvant activity inducing inflammatory T cell responses*. *Clin Exp Allergy* **42**: 76-84 (2012)
- Martin, H., S. Reuter, N. Dehzad, A. Heinz, I. Bellinghausen, **J. Saloga**, I. Haasler, S. Korn, H. Jonuleit, R. Buhl, C. Becker, C. Taube. *CD4-mediated regulatory T cell activation inhibits the development of disease in a humanized mouse model of allergic airway disease*. *J Allergy Clin Immunol* **129**: 521-528 (2012)