

CURRICULUM VITAE

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Personal data:

Date/place of birth: January 21st, 1971, Vienna
Nationality: Austrian

Education:

07.11.2000 Graduation to Doctor of Science, Genetics
1996-2000 PhD thesis at the Department of Pathophysiology and Allergy Research,
Medical University of Vienna
31.01.1996 Graduation to Master of Science, Genetics
1994-1995 Diploma thesis at the Department of Internal Medicine I,
Medical University of Vienna
1989-1995 Subject of study: Biology, Genetics (University of Vienna)
29.05.1989 High school degree

Career History:

Since 2009 Independent group leader at the Institute of Pathophysiology and Allergy
Research
15.12.2009 Head of the group "Antibody research" at the Institute of Pathophysiology and
Allergy Research, Medical University of Vienna
09.10.2009 Habilitation in "Allergologie", Privatdozent
2000-2009 Postdoc at the Division of Immunopathology (Head: Prof. Rudolf Valenta),
Institute of Pathophysiology and Allergy Research, Medical University of Vienna

Projects as independent project leader:

2016-2020 SFB-Subproject of the Austrian Science Fund (FWF), extension
"Allergen-specific antibodies for therapy and prevention of allergy"
2012-2016 SFB-Subproject of the Austrian Science Fund (FWF)
"Allergen-specific antibodies for therapy and prevention of allergy"
2011-2015 Stand alone project of the Austrian Science Fund (FWF)
"Regulatory role of allergen-specific antibodies"
2006-2010 „Brückenschlagprogramm“ of the Austrian Research Promotion Agency (FFG)
"Therapie von Allergien mit Allergen-spezifischen Antikörpern"
2003-2006 "Hertha Firnberg Scholarship" of the Austrian Science Fund (FWF)
"Allergen-specific antibodies for therapy of Type I allergy"

Career-related activities:

- 2014, 2015 Visiting scientist in the laboratory of Prof. Walter Keller at the Institute of Molecular Biosciences, BioTechMed, University of Graz, Graz, Austria
- 2009 Training: "Scientific writing", Vienna, Austria
- 2007 Visiting scientist in the laboratory of Prof. Stefan Vieths at the Division of Allergology, Paul Ehrlich Institute, Langen, Germany
- 2006 "Einführung in die Durchflusszytometrie" (FACS), Austrian Society for Cytometry
- 2006 „Die Patentierung biotechnologischer Erfindungen. Aktuelle Debatte und Perspektive", Academy of European Law (ERA)
- 2005, 2006, 2007 "Biacore Basic and Advanced Training", Vienna, Austria
- 2005 Visiting scientist in the laboratory of Prof. Harald Renz at the Department of Clinical Chemistry and Molecular Diagnostics, University of Marburg, Germany

Memberships:

- Member of the Austrian Society for Allergology and Immunology (ÖGAI)
- Member of the European Academy of Allergology and Clinical Immunology (EAACI)

Reviewer activities:

- Allergy
- International Archives of Allergy and Immunology
- Clinical and Experimental Allergy
- Cancer Immunology Immunotherapy
- Immunology Letters
- Immunobiology
- PLOS ONE
- Journal of Immunology Research

Supervision of undergraduate and graduate students:

- Since 2018 Supervision of the master thesis of Christina Weichwald, BSc
Title: Allergen-specific and ICAM1-specific antibody fragments and nanobodies
- Since 2017 Supervision of the master thesis of Daniel Ivanov, BSc
Title: Immunological characterization of somatic hypermutated allergen-specific antibodies and their germline counter-parts
- Since 2012 Supervision of the PhD thesis of Nazanin Najafi, MSc
Title: IgE-dependent effector cell activation
- 2009-2014 Co-Supervisor of the PhD thesis of Christoph Madritsch, MSc
Title: Isolation of grass pollen specific IgE variable regions to study mechanisms of effector cell degranulation
- 2007-2009 Co-Supervisor of the diploma thesis of Christoph Madritsch
Title: Allergen-specific IgE antibodies
- 2006-2012 Co-Supervisor of the PhD thesis of Elisabeth Gadermaier, MSc
Title: Allergen-specific antibodies

2004-2006	Co-Supervisor of the diploma thesis of Elisabeth Gadermaier <u>Title:</u> Characterization of allergen-specific antibodies
2002-2005	Co-Supervisor of the PhD thesis of Ingrid Rauter, MSc <u>Title:</u> Regulation of IgE-mediated allergic inflammation
Since 1997	Short-term supervisions of several students (biology, biochemistry, medicine)

Teaching and Lectures:

2019	“MCCA: Lecture on B-cells, Antibodies & Receptors”, assigned
2018	“Block 8, Abwehr I und II”, assigned
2018	“MCCA: Thesis seminar on B cells and antibodies”, assigned
2015-2017	“Type I-IV hypersensitivity reactions”, assigned
2015	“MCCA: Lecture on B-cells, Antibodies & Receptors”, assigned
2014-2018	”Stimulating Friday Seminar”, assigned

2012	“Humoral immune responses”, assigned
2011, 2014, 2015	“B cells and Antibodies“, assigned
2010-2013	“Journal Club and Progress report”, assigned
2008	“Molekulare Allergologie“, assigned

2007	“Ziele und Methoden in der Allergologie”, assigned
2006-2010	“Immunologische Übungen”, assigned
2006	“Immunologische Hauptvorlesung”, substitute
2003, 2004	“Immunologische Übungen”, assigned
2001, 2002	“Immunologische Übungen”, substitute

Invited lectures:

2017	<u>Title:</u> Allergen-specific antibodies- from basic findings towards feasible applications. ZAUM - Technische Universität München, Munich, Germany
2016	<u>Title:</u> Nicht-invasive Behandlung von Pollenallergien. Pirquet Club, Vienna, Austria, Pirquet Club, Vienna, Austria
2013	<u>Title:</u> Allergen-spezifische Antikörper- diagnostische und therapeutische Möglichkeiten. Pirquet Club, Innsbruck, Austria
2011	<u>Title:</u> To study allergen structure with monoclonal antibodies. European Academy of Allergy and Clinical Immunology, Istanbul, Turkey
2011	<u>Title:</u> Recombinant human antibodies for diagnosis, treatment and prevention of allergy. Charite, Berlin, Germany
2010	<u>Title:</u> Recombinant antibodies for defining the allergen structure, 4 th ISMA, Munich, Germany
2008	<u>Title:</u> Allergen-specific antibodies for prevention, diagnosis and treatment of Type I allergy. UK-SH Universitätsklinikum Schleswig-Holstein, Kiel, Germany
2008	<u>Title:</u> Allergy treatment with allergen-specific antibodies. 25 th meeting of API, Berlin, Germany
2005	<u>Title:</u> The role of IgE and IgG antibodies in allergic inflammation and asthma, III European Asthma Congress, Athens, Greece
2002	<u>Title:</u> A grass pollen allergen-specific human IgE antibody recognizing immunoglobulin-like domains. 6th Latin American Immunology Congress, Havana, Cuba

Patents:

EP1351988, WO2002053595 A1, Group 2 allergen-specific IgG and use thereof
EP2032603, WO2007134350 A2, Antibodies specific for Bet v 1 and use thereof
in prevention and treatment of Bet v 1 induced disease
EP15154521.7, WO2016128487, Bi-specific antibody conjugates
ICAM1/allergen