

CURRICULUM VITAE

FH-Prof. Univ. Doz. Dr. Ines Swoboda
Section Biotechnology
University of Applied Sciences
Campus Vienna Biocenter, Vienna, Austria

PERSONAL DATA

Date of Birth: May 24th, 1967
Place of Birth: Klagenfurt
Nationality: Austria

EDUCATION AND CAREER HISTORY

1985: High-school degree at the Humanistic Gymnasium Klagenfurt with distinction

1985-1989: Study of Biology/Genetics at the University of Vienna, Faculty of Science, Department of Genetics

October 1990: Master degree (Magister of Science) at the University of Vienna (final examination passed with distinction)

1991-1995: PhD study at the University of Vienna at the Institute of Microbiology and Genetics, Department of Plant Genetics

February 1995: PhD degree (Doctor of Science) at the University of Vienna (final examination was passed with distinction)

1995-1998: Postdoctoral Research Fellow in the Plant Molecular Biology and Biotechnology Laboratory, Institute of Land and Food Resources, University of Melbourne, Australia

1999-2003: Postdoctoral Research Fellow at the Institute of Medical and Chemical Laboratory Diagnostics, AKH, University of Vienna, Austria

2003-2005: Postdoctoral Research Fellow in the Division of Immunopathology, at the Department of Pathophysiology, Centre of Physiology and Pathophysiology, Medical University of Vienna, Austria

May 2004: Habilitation in Allergology, Univ. Doz., Medical University of Vienna, Austria

2005-2011: Group leader of the 'Immune recognition' research group, in the Division of Immunopathology, at the Department of Pathophysiology and Allergy Research, Centre of Pathophysiology, Infectiology and Immunology, Medical University of Vienna, Austria

2006-2011: Senior Postdoc in the Christian Doppler Laboratory for Allergy Research, in the Division of Immunopathology, at the Department of Pathophysiology and Allergy Research, Centre of Pathophysiology, Infectiology and Immunology, Medical University of Vienna, Austria

2010-2011: Assistant Professor in the Division of Immunopathology, at the Department of Pathophysiology and Allergy Research, Centre for Pathophysiology, Infectiology and Immunology, Medical University of Vienna, Austria

- Since September 2011: Group leader of the 'Immunology' research group, in the Section Biotechnology, University of Applied Sciences, Campus Vienna Biocenter, Vienna, Austria.
- November 2014: Promotion to FH-Professor at the University of Applied Sciences, FH Campus Wien, Vienna, Austria.

CAREER-RELATED ACTIVITIES

- 1989: Research experience in the laboratory of Dr. Meinrad Busslinger (Institute of Molecular Pathology, Vienna), involved in a project on *fos* and *jun* oncogenes
- 1990: Research experience in the laboratory of Prof. Michael Breitenbach (University of Vienna), working in the field of yeast genetics on the characterisation of tRNA synthetases
- 1993: EMBO practical course on the 'Analysis of interactions between plants and fungal pathogens' at the Max-Planck-Institute in Köln, Germany
- 2004: Practical course of the Austrian Society for Cytometry ('Introduction into flow cytometry') at the Institute of Pathophysiology, Medical University Vienna
- 2005: Circular Dichroism Summer School at the University of Warwick, Coventry, United Kingdom
- June 2006: Course on 'Computer-aided principles in clinical science: Successful searches in Medical and Molecular Biological data bases', Medical University Vienna
- November 2006: Course on 'Design, analysis and interpretation of clinical studies' at the Medical University Vienna
- January 2007: Training course for ESI Ion Trap mass-spectrometry analysis with the Bruker Daltonik HCT-Ultra system, Vienna
- April 2007: Application Training for UltiMate 3000 Nano HPLC system at Dionex Benelux, Amsterdam, the Netherlands
- May 2007: Training course for MALDI-TOF mass-spectrometry analysis with the Bruker Microflex system, Bremen, Germany
- May 2007: Seminar on Basic Principles of LC/MS with Agilent Technologies, Vienna
- April 2008: Seminar on Basic Principles of HPLC, Vienna
- September 2008: Course of the Austrian Proteomics Association on 2D Gel Electrophoresis and Mass Spectrometry Analysis, Vienna
- January/February 2009: First-aid course at the Medical University Vienna
- March 2009: Course on 'Qualification to conduct clinical trials on medical products with a focus on Phase III-studies and considering the latest ICH and GCP guidelines' at the Austrian Working Group for Clinical Pharmacology and Therapy, Vienna
- May 2009: Course on Biometrics I, Description and visualisation of medical data, Medical University Vienna
- January 2011: Course in 'Adobe Photoshop', Medical University Vienna
- September 2011: Mentoring seminar, Medical University Vienna
- December 2015: Seminar on 'Supervision of PhD students', Medical University Vienna
- February 2016: Course on 'Diversity and cross-cultural didactic', FH Campus Wien

ORGANISATION OF NATIONAL AND INTERNATIONAL CONGRESSES

September 2007: Organisation of the GA²LEN/EAACI Allergy School on 'Recombinant allergens: from fundamental aspects to clinical applications', Bischenberg, France

AWARDS

September 2007: Bencard Award for Specific Immunotherapy
 December 2005: Kardinal-Innitzer Award for the Habilitation thesis
 September 2003: Travel Grant of the World Allergy Organization – ICACI (WAO)
 May 2002: Travel Grant of the European Academy of Allergology and Clinical Immunology (EAACI)
 March 1996: awarded with the 'PhD Thesis Award' for the best PhD thesis of 1995 by the Austrian Society of Biotechnology

GRANTS

2001: "Medizinisch-Wissenschaftlicher Fonds des Bürgermeisters der Bundeshauptstadt Wien", Project 1968: "Molekulare Charakterisierung des Fischhauptallergens Parvalbumin" (Co-Applicant together with Prof. Dr. Spitzauer)
 2002: "Center of Molecular Medicine of the Austrian Academy of Sciences", Project: "Diagnostic, therapeutic, and preventive strategies for immunologically-mediated hypersensitivity diseases caused by grasses and corn (Type I allergy, celiac disease)" (Co-Investigator together with Prof. Dr. Valenta and Dr. Laffer)
 2006: "Christian Doppler Forschungsgesellschaft", Project: "Allergy Research - Translating Allergy Research into Patient Care" (Co-Investigator together with Prof. Dr. Valenta and Dr. Margarete Focke)
 2008: "European Union Research Grant - FP7 - Seventh Framework", Project: "Towards safe and effective immunotherapy of persistent life-threatening food allergies" (FAST)
 2009: "Grant of the Austrian Ministry of Science and Research", additional state funding for the project "Towards safe and effective immunotherapy of persistent life-threatening food allergies" (European Union Research Grant - FP7 - Seventh Framework)
 2011: "Municipal Department 23 for Economic Affairs, Labor and Statistics (MA 23)", Project: "Zellbasierte Testsysteme im Bereich Immunologie" (Co-Applicant together with FH-Prof. Dr. Kuen-Krismer and FH-Prof. Dr. Czerny)
 2013: "Austrian Science Fund (FWF)", Project: "Characterization of meat allergens for improved diagnosis of meat allergy"
 2013: "Municipal Department 23 for Economic Affairs, Labor and Statistics (MA 23)", Project: "Allergien: Entwicklung von Methoden zur spezifischeren Diagnose von Nahrungsmittelallergien und Untersuchung der Pathomechanismen von respiratorischen Allergien" (Co-Applicant together with FH-Prof. Dr. Wank)
 2016: "Municipal Department 23 for Economic Affairs, Labor and Statistics (MA 23)", Project: "Pathomechanismen in respiratorischen Allergien: Reaktionen von Epithelzellen auf Allergenkontakt" (Co-Applicant together with FH-Prof. Dr. Wank)

2016: "Austrian Research Promotion Agency", Project: „Neue Konzepte für eine in vitro Evaluierung der Biokompatibilität von Werkstoffen und medizinischen Produkten“ (Co-Applicant together with Gabi Ettenberger, OFI, Vienna, Austria)

SUPERVISION OF POST GRADUATE AND UNDERGRADUATE STUDENTS

January – May 2016:	Co-supervisor of Jacqueline Meisel (Bachelor Student)
January – May 2016:	Supervisor of Peter Sandler (Bachelor Student)
January – May 2016:	Co-supervisor of Anna Magdalena Stingeder (Bachelor Student)
January – May 2015:	Supervisor of Patrick Mayrhofer (Bachelor Student)
January – :	Supervisor of Benedikt Mandl (Master Student)
October – December 2014:	Co-supervisor of Thimo Ruethers (Master Student)
January – September 2014:	Supervisor of Anja Zimmermann (Master Student)
January – May 2014:	Co-supervisor of Cornelia Langer (Bachelor Student)
January – May 2014:	Co-supervisor of Jacqueline Mühlberger (Bachelor Student)
January – May 2014:	Supervisor of Katharina Pöcher (Bachelor Student)
December 2013 - :	Supervisor of Patricia Román-Carrasco (PhD Student)
June – August 2013:	Co-supervisor of Jocelyn Chan (Bachelor Student)
April – June 2013:	Supervisor of Laia Hurtado (Bachelor Student)
February – June 2013 -:	Supervisor of Soraya Martin Garcia (Bachelor Student)
January – September 2013:	Supervisor of Doris Zach (Master Student)
January – May 2013:	Supervisor of Lydia Brauneder (Bachelor Student)
January 2013 – June 2013:	Supervisor of Gregor Augustin (Bachelor Student)
Sept 2012 – Feb 2013:	Supervisor of Elisabet Puig (Bachelor Student)
July - August 2012:	Supervisor of Jocelyn Chan (advanced student course)
July - August 2012:	Supervisor of Edward Timar (Student Chemistry-College)
January 2012 -:	Supervisor of Marianne Raith (PostDoc)
January 2012 -:	Supervisor of Christoph Klug (PhD Student)
January – September 2012:	Supervisor of Manuela Miksic (Master Student)
January – May 2012:	Supervisor of Andrea Steinbauer (Bachelor Student)
January – May 2012:	Supervisor of Iris Slowacek (Bachelor Student)
January – May 2012:	Supervisor of Kerstin Hörhan (Bachelor Student)
September – December 2012:	Supervisor of Sabina Ferizovic ((advanced student course)
2009-2010:	Supervisor of Sandra Buchegger (Diploma student)
2009-2011:	Supervisor of Beate Geller (PhD student)
January 2009:	Co-supervisor of Daniel Geisler-Moroder (Medical technical assistant diploma student)
November 2008:	Co-supervisor of Margot Schneider (Medical technical assistant diploma student)
2008-2010:	Supervisor of Christoph Klug (Diploma student)
2008-2009:	Co-supervisor of Daniela Gallerano (Diploma student)
2007-2008:	Co-supervisor of Stefan Jakwerth (advanced student course on Molecular Immunology)
2006-2011:	Supervisor of Teresa Twaroch (PhD student)
2005-2009:	Co-supervisor of Heidrun Hochwallner (PhD student)
2003-2007:	Supervisor of Ulrike Schulmeister (PhD student)
2003- 2007:	Supervisor of Beate Geller (advanced student course on Molecular Immunology)

2002:	Supervisor of Atijeh Valai (advanced student course on Molecular Immunology)
2002-2004:	Supervisor of Alexander Lindemeier (MD student)
2001:	Supervisor of Gudrun Pittner (advanced student course on Molecular Immunology)
1999-2004:	Co-supervisor of Renate Reininger (PhD student)
1996-1999:	Supervisor of Diah Azria (PhD student), Nicky Smith (PhD student), Anand Pandian (PhD student)
1994:	Co-supervisor of the Diploma work of Irene Mittermann

TEACHING AND LECTURES

Lecture on 'Pathology of Microbes' at the University of Applied Sciences, Vienna
 Lecture on 'Virology' at the University of Applied Sciences, Vienna
 Lecture on 'Biochemistry I' at the University of Applied Sciences, Vienna
 Seminar on 'Scientific Methods' at the University of Applied Sciences, Vienna
 Seminar on 'Molecular biological and biophysical methods' at the University of Applied Sciences, Vienna
 Seminar on 'Vaccine Development' at the University of Applied Sciences, Vienna
 Advanced student course on Immunology at the University of Applied Sciences, Vienna
 Lecture on 'Infection Biology' at the University of Applied Sciences, Vienna
 Mentor in the Senior-Mentoring program for Diploma students of Medicine at the Medical University of Vienna
 Examiner of PhD students at the University of Vienna
 Examiner of Diploma and PhD students at the Medical University of Vienna
 Examiner and reviewer of Bachelor and Master students at the University of Applied Sciences, Vienna
 Seminar on 'B cells and antibodies' at the Medical University of Vienna
 Seminar on 'Diseases, Causes of Diseases and Characteristics of Diseases' at the Medical University of Vienna
 Seminar 'Journal Club and Progress Report' at the Medical University of Vienna
 Advanced student course on Experimental Immunology at the Medical University of Vienna
 Lecture on Functional Pathology (Immunology / Immunopathology) at the Medical University of Vienna
 Seminar on Molecular Biological Techniques in Immunology at the Medical University of Vienna
 Advanced Experimental student course on Plant Genetics at the University of Vienna
 Basic Experimental student course on Genetics of *E. coli* and yeast at the University of Vienna

MEMBERSHIPS

Current memberships:

Member of the COST Review Panel
 Coordinator of the European Biotechnology Thematic Network Association (EBTNA) in Austria
 Member of the Executive Committee of EBTNA
 Member of the European Academy of Allergology and Clinical Immunology (EAACI)
 Member of the Collegium Internationale Allergologicum (CIA)
 Member of the Austrian Society of Allergology and Immunology (ÖGAI)

Member of the Austrian Proteomics Association
 Member of the Austrian Association of Molecular Life Sciences and Biotechnology (ÖGMBT)
 Member of the International Federation of University Women

Former memberships:

2011-2013: Member of the Core Group of the COST Domaine Committee 'Biomedicine and Biosciences'

2011-2014: Austrian DC delegate to the COST Domaine Committee 'Biomedicine and Biosciences'

2011-2013: Board member of the Food Allergy Interest Group of the EAACI

REFEREE ACTIVITIES

Ad hoc reviewer for the following journals:

Journal of Allergy and Clinical Immunology
 Thorax
 Cytokine
 Methods
 Clinical and Experimental Allergy
 Molecular Nutrition and Food Research
 Clinical an Translational Allergy
 Clinical and Developmental Immunology
 Biochimica and Biophysica Acta (BBA)
 Bioanalysis
 Expert Review of Clinical Immunology
 Future Medicine
 Molecular Immunology
 PLoS ONE
 BioMed Research International
 Asthma Research and Practice
 Allergologia and Immunopathologia
 Journal of Agricultural and Food Chemistry
 Immunotherapy
 International Archives of Allergy and Immunology
 Clinical and Molecular Allergy
 Journal of Allergy
 Transgenic Research
 Preparative Biochemistry and Biotechnology
 Wiener Klinische Wochenschrift
 World Allergy Organization Journal
 The Plant Journal
 Trends in Plant Science

Grant reviewer of the Academy of Sciences of the Czech Republic

External examiner of the Universidad Complutense, Madrid, Spain

External examiner of the Cape Peninsula University of Technology, South Africa

PATENTS

1. Author on patent application 'Hypoallergenic allergen derivatives of Pru p 3 for immunotherapy of IgE-mediated peach allergy'
2. Author on Patent EP1512695 on 'Hypoallergenic polypeptides based on fish parvalbumin'
3. Author on Patent US7696314 on 'Hypoallergenic polypeptides based on fish parvalbumin'
4. International patent application US12/581,108 on 'Method for identifying allergenic proteins and peptides'
5. International patent CA2657971, EP2035457 on 'Vaccine carrier'
6. International patent US2005074464, EP1434793 on 'Recombinant allergen with reduced IgE binding, but undiminished T-cell antigenicity'
7. International patent application US2005138690 on 'Male germ line cell-specific sequences'
8. International patent AU779707, EP1007682 on 'Novel Nucleic Acid Molecules and uses thereof'

INVITED LECTURES

1. 'Allergien – wenn das Immunsystem verrückt spielt'. Junior Science Club, FH Campus Wien, Fachbereich Biotechnologie, February 2016
2. 'Mold allergens'. XIIth CYNA (Controversies and News in Allergy) Meeting of the Spanish Society of Allergy and Clinical Immunology (SEAIC), Madrid, Spain, January 2016
3. 'Allergien – wenn das Immunsystem verrückt spielt'. Science day, Konrad Lorenz Gymnasium, Gänserndorf, Austria, September 2015
4. 'Allergien – wenn das Immunsystem verrückt spielt'. Junior Science Club, FH Campus Wien, Fachbereich Biotechnologie, February 2015
5. 'Pathomechanismen der Interaktion zwischen Epithelzellen und Allergenen'. Department of Otolaryngology, KFJ Hospital, Vienna, Austria, November 2014
6. 'Pathomechanismen der Allergen-Epithelzell-Interaktion'. Department of Otolaryngology, Hospital Rudolfstiftung, Vienna, Austria, November 2013
7. 'Allergie gegen Fleisch'. AllergyCare Seminar, Vienna, Austria, July 2013
8. 'Allergic to meat? A novel problem'. International Comparative Medicine Symposium, Vienna, Austria, April 2013
9. 'Immunotherapy of food allergies – dreams or soon reality'. Centre de Recherche Public de la Santé (CRP), Luxembourg, November 2012
10. 'Cross-reactivity of fish allergens'. International Symposium on Food Allergy – Commemorative Meeting of 100 years of Immunotherapy, Annual Meeting of the Spanish Society of Allergy and Clinical Immunology (SEAIC), Barcelona, Spain, November 2011
11. 'Fischallergie'. Department of Dermatology, Donaushospital SMZ Ost, Vienna, Austria, December 2010

12. 'Recombinant food allergens'. 32nd Congress of the European Society for Clinical Nutrition and Metabolism (ESPEN), Nice, France, September 2010
13. 'Fischallergie'. 8th Wörther See-Symposium 'What's new in allergy?', Velden, Wörther See, Austria, June 2010
14. 'Fischallergie: Muß es immer Parvalbumin sein?' Pirquet-Club der Österreichischen Gesellschaft für Allergologie und Immunologie, Vienna, Austria, February 2010
15. 'Recombinant therapeutic allergens: improved efficacy and safety in treating anaphylaxis?' 5th Balkan Congress of Allergology and Clinical Immunology, Thessaloniki, Greece, October 2008
16. 'From Allergen Characterisation to New Strategies for Diagnosis and Therapy of Allergies'. [SIMBio]⁸⁺ Symposium on Internationalisation of Molecular Biotechnology, University of Applied Sciences, Vienna, Austria, July 2008
17. 'Spectrum and importance of pollen allergens'. Department of Immunology, Institute of Microbiology, Prague, Czech Republic, November 2007
18. 'Major fish allergen: Recombinant parvalbumin for diagnosis and future therapy'. GA²LEN/EAACI Allergy School 'Recombinant allergens: from fundamental aspects to clinical applications', Bischenberg, France, September 2007
19. 'Immunotherapy of food allergy: how close are we?' Allergy Summer School 2007 'The war against the allergic march', Gouves, Crete, Greece, July 2007
20. 'The importance of pollen allergens'. Allergy Summer School 2007 'The war against the allergic march', Gouves, Crete, Greece, July 2007
21. 'Tree and grass pollen allergens'. XXVth Congress of the European Academy of Allergology and Clinical Immunology, Vienna, Austria, June 2006
22. 'Recombinant Food Allergens'. 9th International Symposium on Immunological, Chemical and Clinical Problems of Food Allergy, Budapest, Hungary, April 2004
23. 'Recombinant allergens for diagnosis and therapy of fish allergy'. Department of Immunology, Institute of Microbiology, Prague, Czech Republic, November 2003
24. 'Rekombinante Fischallergene für die Allergiediagnose und Therapie'. Pirquet-Club der Österreichischen Gesellschaft für Allergologie und Immunologie, Vienna, Austria, October 2003
25. 'Hypoallergenic parvalbumin variants for immunotherapy of fish allergy'. Symposium 'Commensal bacteria and food antigens in physiology and pathology of mucosal immunity', Nové Hradky, Czech Republic, May 2003
26. 'Genetic engineering of parvalbumin for diagnosis and treatment of fish allergy'. Vth International Consensus Conference of Allergology and Clinical Immunology, Rome, Italy, April 2001
27. 'Isolation and characterisation of a birch gene family encoding pollen allergens and pathogenesis-related proteins'. Annual Meeting of the Austrian Biotechnology Society, Vienna, Austria, March 1996

DIPLOMA AND DOCTORAL THESES, HABILITATION

Swoboda, I.: Untersuchungen zur Expression des Pollenallergiegens Bet v 1 in Birke und Tabak (translation: Investigation on the expression of the pollen allergen Bet v 1 in birch and tobacco), Diploma Thesis (1989-1990), University of Vienna

Swoboda, I.: Isolation and characterisation of a birch gene family encoding pollen allergens and pathogenesis-related proteins, PhD-Thesis (1991-1995), University of Vienna

Swoboda I.: Von der Allergen-Charakterisierung zur Entwicklung neuer Ansätze für Diagnose und Therapie von Typ I Allergien (translation: From allergen characterisation to the development of new strategies for diagnosis and therapy of type I allergy), Habilitation thesis, Medical University of Vienna