

1. Curriculum vitae

1.1. Personal data

Name: **Zsolt Szépfalusi, M.D.**
Date of birth: July 24, 1962
Nationality: austrian, swiss
Languages: german, english, french, hungarian
2 kids, (*1993, *1995)

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1.2. Education

1968-1981	primary school and gymnasium at the french Lycée Francais de Vienne, bachelor degree (Diplome de Bachelier de l'Enseignement du second degré, série C, mathématique et sciences physiques)
1982-1989	medical education at the school of medicine, University of Vienna
1989-06-12	graduation to medical doctor (M.D.)
1989-06-15	research scientist at the Harry Pearlman Biochemical Research Institute, Mount Sinai Medical Center, Miami Beach 33140, USA (Prof. Wanner)
1989-1993	research scientist at the institute of General and Experimental Pathology, University of Vienna (Prof. Kraft, Prof. Scheiner, Prof. Förster)
1993-1999	fellow and research scientist at the department of pediatrics, University of Vienna
1999	Associate Professor in pediatrics, consultant in pulmonology and allergology
2005	Vice Head of Division, Division of General Pediatrics
2005-2007	Head of Division, General Pediatrics
2006-2008	Research Professorship "Ped. Allergology and Pulmonology"
2007-2009	Vice Head of Department
2008-	Consultant faculty pediatric pulmonology
2009-	Head of Clinical Competence Center of Pulmonology/Allergology/Endocrinology/Metabolism and Genetics Head of Research Competence Center of Pulmonology/Allergology/Immunology as well as Head of Policlinic/Emergency Ambulance Accreditation as Pediatric Allergologist UEMS section of Pediatrics
2009-	Subspeciality for Pulmonology, training program director (Dept. of Pediatrics, Medical University of Vienna)

2014 Postgraduate Education in Hospital Management (Donau University
Krems)

1.3. Scientific involvements

- 1982 + 1989 **Miami, Harry Pearlman Biochemical Research Institute, Mount Sinai Medical Center, USA:** Cystic fibrosis: Influence of Pseudomonas Toxin on ciliary beat activity in a sheep model
- 1990 **Vienna, Institute of Experimental Pathology:** Influence of hydroxyethylstarch on long-lasting chronic itching (in vitro and in vivo investigations: flow cytometry, cytokine production, immune-histochemistry, immune-electronmicroscopy)
- 1991 IgE-cross-reactivity in the cow-dander-syndrom and the bird-egg-syndrom
- 1992 Cow milk allergy: influence of T cells (in vitro studies, T cell proliferation and T cell cloning strategies) and IgE and IgG in the pathogenesis and the natural course of disease
- 1993- **Vienna: Dpt. of Pediatrics:** Investigations on prenatal factors influencing allergen-specific fetal T cell priming
- 1995 Investigations on the association of spina bifida and latex-allergy
- 1996-2000 Investigations on the induction of IgE-mediated neuraminidase-specific (Neopermease) immune response and induction of antigen-specific IgE-antibodies in children with braintumors
- 2000- Investigations on the pathogenesis and epidemiology of food allergies in infancy within framework 5 and 6 EU projects (ALLERGEST, REDALL, GA²LEN, EUROPREBALL, GLOFAL)
- 2002- Investigations on the early markers of atopy development in infancy (within an Austrian Science Fonds cluster-project (Schwerpunktforschungsbereiches SFB-F1817-B13)
- 2003- Investigation on the mechanisms of sublingual immunotherapy in children (clinical and in vitro studies)
- 2004- Investigations of the association of food and respiratory allergies in solid-organ transplanted children and young adults (in cooperation with cardio-thoracic surgery division)
- 2007- Investigator initiated trial (IIT) to “preventive allergen-specific immunotherapy in children”
- 2011- Investigator initiated trial (IIT) to “Different treatment duration of preventive allergen-specific immunotherapy in young children”
- 2013- PhD program, Molecular, cellular and clinical allergology (faculty member)
2013-2023

1.4. Scientific memberships

- 1992- official member of the Austrian Society of Allergology and Clinical Immunology (ÖGAI)
- 1993- official member of the Arbeitsgemeinschaft für Pädiatrische Immunologie (API)
- 1996- official member of the European Academy of Allergy and Clinical Immunology (EAACI)
- 1997- official member of the Austrian Society for Pediatrics (ÖGKJ)
- 1998- official member of the European Society of Pediatric Allergy and Clinical Immunology (ESPACI)

2001-1995-1999	official member of the Gemeinschaft Pädiatrische Allergologie (GPA) general secretary of the Pirquet Club, postgraduate medical education for clinical and research allergologists
2004-2005-	official member of the Gemeinschaft Pädiatrische Pneumologie (GPP) official Austrian delegate to the UEMS board of Pediatrics, Section of Pediatric Allergology
2006-2007	official Austrian delegate to the Task Force Food Allergy of the AWMF official member of the European Respiratory Society
2007	Editorial Board "Int. Arch. Allergy and Clin. Immunology"
2008	Editorial Board "Allergologie"
2011- 2013	official member of the Austrian Nutrition Society, Executive board member
2011	Co-Editor "Klinische Pädiatrie"
2014-2017	Head of Task Group Ped. Pulmonology and Allergy of ÖGKJ
2018-2020	Head of Task Group Ped. Pulmonology and Allergy of ÖGKJ
2021-2023	Head of Task Group Ped. Dermatology of ÖGKJ

2. Publications

2.1. Original papers

1. Wanner, A., Maurer, D., Abraham, W.M., Szépfalusi, Z., Sielczak, M. Effects of chemical mediators of anaphylaxis on ciliary function (1983) *The Journal of Allergy and Clinical Immunology*, 72 (6), pp. 663-667. (7,667)
2. Jackowski, J.T., Szépfalusi, Z., Wanner, D.A., Seybold, Z., Sielczak, M.W., Lauredo, I.T., Adams, T., Abraham, W.M., Wanner, A. Effects of *P. aeruginosa*-derived bacterial products on tracheal ciliary function: Role of O₂ radicals (1991) *American Journal of Physiology - Lung Cellular and Molecular Physiology*, 260 (2 4-1), pp. L61-L67.
3. Kraft, D., Sirtl, C., Laubenthal, H., Scheiner, O., Parth, E., Dieterich, H.-J., Szépfalusi, Z., Trampisch, H.J., Gerlach, E., Peter, K. No evidence for the existence of preformed antibodies against hydroxyethyl starch in man (1992) *European Surgical Research*, 24 (3), pp. 138-142. (0,755)
4. Parth, E., Jurecka, W., Szépfalusi, Z., Schimetta, W., Gebhart, W., Scheiner, O., Kraft, D. Histological and immunohistochemical investigations of hydroxyethyl-starch deposits in rat tissues (1992) *European Surgical Research*, 24 (1), pp. 13-21. (0,775)
5. Ebner, C., Schenk, S., Szépfalusi, Z., Hoffmann, K., Ferreira, F., Willheim, M., Scheiner, O., Kraft, D. Multiple T cell specificities for Bet v I, the major birch pollen allergen, within single individuals: Studies using specific T cell clones and overlapping peptides (1993) *European Journal of Immunology*, 23 (7), pp. 1523-1527. (6,387)
6. Jurecka, W., Szépfalusi, Z., Parth, E., Schimetta, W., Gebhart, W., Scheiner, O., Kraft, D. Hydroxyethylstarch deposits in human skin - A model for pruritus? (1993) *Archives of Dermatological Research*, 285 (1-2), pp. 13-19. (1,219)
7. Szépfalusi, Z., Parth, E., Jurecka, W., Luger, T.A., Kraft, D. Human monocytes and keratinocytes in culture ingest hydroxyethylstarch (1993) *Archives of Dermatological Research*, 285 (3), pp. 144-150. (1,219)

8. Ebner, C., Szépfalusi, Z., Ferreira, F., Jilek, A., Valenta, R., Parronchi, P., Maggi, E., Romagnani, S., Scheiner, O., Kraft, D. Identification of multiple T cell epitopes on Bet v I, the major birch pollen allergen, using specific T cell clones and overlapping peptides (1993) *Journal of Immunology*, 150 (3), pp. 1047-1054. (4,307)
9. Ebner, C., Ferreira, F., Hoffmann, K., Hirschwehr, R., Schenk, S., Szépfalusi, Z., Breiteneder, H., Parronchi, P., Romagnani, S., Scheiner, O., Kraft, D. T cell clones specific for Bet v I, the major birch pollen allergen, crossreact with the major allergens of hazel, Cor a I, and alder, Aln g I (1993) *Molecular Immunology*, 30 (15), pp. 1323-1329. (4,876)
10. Szépfalusi, Z., Ebner, C., Urbanek, R., Ebner, H., Scheiner, O., Boltz-Nitulescu, G., Kraft, D. Detection of IgE antibodies specific for allergens in cow milk and cow dander (1993) *International Archives of Allergy and Immunology*, 102 (3), pp. 288-294. (2,201)
11. Schiller, C., Spittler, A., Willheim, M., Szépfalusi, Z., Agis, H., Koller, M., Peterlik, M., Boltz-Nitulescu, G. Influence of suramin on the expression of Fc receptors and other markers on human monocytes and U937 cells, and on their phagocytic properties (1994) *Immunology*, 81 (4), pp. 598-604. (3,507)
12. Szépfalusi, Z., Ebner, C., Pandjaitan, R., Orlicek, F., Scheiner, O., Boltz-Nitulescu, G., Kraft, D., Ebner, H. Egg yolk α -livetini (chicken serum albumin) is a cross-reactive allergen in the bird-egg syndrome (1994) *Journal of Allergy and Clinical Immunology*, 93 (5), pp. 932-942. (7,667)
13. Reinisch, W., Willheim, M., Hilgarth, M., Gasché, C., Mader, R., Szépfalusi, S., Steger, G., Berger, R., Lechner, K., Boltz-Nitulescu, G., Schwarzmeier, J.D. Soluble CD23 reliably reflects disease activity in B-cell chronic lymphocytic leukemia (1994) *Journal of Clinical Oncology*, 12 (10), pp. 2146-2152. (11,810)
14. Ebner, C., Schenk, S., Najafian, N., Siemann, U., Steiner, R., Fischer, G.W., Hoffmann, K., Szépfalusi, Z., Scheiner, O., Kraft, D. Nonallergic individuals recognize the same T cell epitopes of Bet v 1, the major birch pollen allergen, as atopic patients (1995) *Journal of Immunology*, 154 (4), pp. 1932-1940. (6,887)
15. Szépfalusi, Z., Huber, W.D., Ebner, C., Granditsch, G., Urbanek, R. Early sensitization to airborne allergens (1995) *International Archives of Allergy and Immunology*, 107 (4), pp. 595-598. (2,201)
16. Willheim, M., Silacci, P., Gessl, A., Spittler, A., Szépfalusi, Z., Samorapoompichit, P., Agis, H., Mayr, W.R., Scheiner, O., Förster, O., Mach, B., Boltz-Nitulescu, G. Tumor necrosis factor- α induction of major histocompatibility complex class II antigen expression is inhibited by interferon- γ in a monocytic cell line (1995) *European Journal of Immunology*, 25 (11), pp. 3202-3206. (4,876)
17. Van Duren-Schmidt, K., Pichler, J., Ebner, C., Bartmann, P., Förster, E., Urbanek, R., Szépfalusi, Z. Prenatal contact with inhalant allergens (1997) *Pediatric Research*, 41 (1), pp. 128-131. (2,875)
18. Szépfalusi, Z., Nentwich, I., Gerstmayr, M., Jost, E., Todoran, L., Gratzl, R., Herkner, K., Urbanek, R. Prenatal allergen contact with milk proteins (1997) *Clinical and Experimental Allergy*, 27 (1), pp. 28-35. (3,553)
19. Szépfalusi, Z., Nentwich, I., Dobner, M., Pillwein, K., Urbanek, R. IgE-mediated allergic reaction to hyaluronidase in paediatric oncological patients (1997) *European Journal of Pediatrics*, 156 (3), pp. 199-203. (1,382)

20. Metze, D., Reimann, S., Szépfalusi, Z., Bohle, B., Kraft, D., Luger, T.A. Persistent pruritus after hydroxyethyl starch infusion therapy: A result of long-term storage in cutaneous nerves (1997) *British Journal of Dermatology*, 136 (4), pp. 553-559. (2,978)
21. Liccardi, G., Szépfalusi, Z., Noschese, P., Nentwich, I., D'Amato, M., D'Amato, G. Allergy to chicken meat without sensitization to egg proteins: A case report (1997) *Journal of Allergy and Clinical Immunology*, 100 (4), pp. 577-579. (7,667)
22. Szépfalusi, Z., Nentwich, I., Jost, E., Gerstmayr, M., Ebner, C., Frischer, T., Urbanek, R. Cord blood mononuclear cells and milk-specific T-cell clones are tools to evaluate the residual immunogenicity of hydrolyzed milk formulas (1998) *Journal of Allergy and Clinical Immunology*, 101 (4 I), pp. 514-520. (7,667)
23. Valenta, R., Natter, S., Seiberler, S., Wichlas, S., Maurer, D., Hess, M., Pavelka, M., Grote, M., Ferreira, F., Szépfalusi, Z., Valent, P., Stingl, G. Molecular characterization of an autoallergen, Hom s 1, identified by serum IgE from atopic dermatitis patients (1998) *Journal of Investigative Dermatology*, 111 (6), pp. 1178-1183. (4,406)
24. Szépfalusi, Z., Todoran, L., Elsässer, S., Jagdt, B., Wank, H., Urbanek, R. Cord blood leucocytes/basophils produce and release sulfidoleucotrienes in response to allergen stimulation (1999) *Clinical and Experimental Allergy*, 29 (3), pp. 382-387. (3,553)
25. Szépfalusi, Z., Seidl, R., Bernert, G., Dietrich, W., Spitzauer, S., Urbanek, R. Latex sensitization in spina bifida appears disease-associated (1999) *Journal of Pediatrics*, 134 (3), pp. 344-348. (3,837)
26. Kopp, M.V., Pichler, J., Halmerbauer, G., Kuehr, J., Frischer, T., Urbanek, R., Szépfalusi, Z. Culture conditions for the detection of allergen-specific T-cell reactivity in cord blood: Influence of cell number (2000) *Pediatric Allergy and Immunology*, 11 (1), pp. 4-11. (2,126)
27. Reimann, S., Szépfalusi, Z., Kraft, D., Luger, T., Metze, D. Storage of hydroxyethyl starch in the skin causing pruritus [Hydroxyethylstarke-speicherung in der haut unter besonderer berucksichtigung des hydroxyethylstarkeassoziierten juckreizes] (2000) *Deutsche Medizinische Wochenschrift*, 125 (10), pp. 280-285. (0,653)
28. Bohle, B., Wagner, B., Vollmann, U., Buck, D., Niggemann, B., Szépfalusi, Z., Fischer, G., Scheiner, O., Breiteneder, H., Ebner, C. Characterization of T cell responses to Hev b 3, an allergen associated with latex allergy in spina bifida patients (2000) *Journal of Immunology*, 164 (8), pp. 4393-4398. (6,387)
29. Szépfalusi, Z. Latex allergy in patients with spina bifida [1] (multiple letters) (2000) *Journal of Pediatrics*, 136 (2), pp. 270-271. (8,837)
30. Liccardi, G., Szépfalusi, Z., Noschese, P., D'Amato, M., D'Amato, G., Sanz, M.L. The significance of chicken meat allergy without sensitization to egg proteins (multiple letters) (2000) *Annals of Allergy, Asthma and Immunology*, 85 (1), p. 84. (7,667)
31. Szépfalusi, Z., Loibichler, C., Pichler, J., Reisenberger, K., Ebner, C., Urbanek, R. Direct evidence for transplacental allergen transfer (2000) *Pediatric Research*, 48 (3), pp. 404-407. (2,875)
32. Szépfalusi, Z., Pichler, J., Elsässer, S., Van Duren, K., Ebner, C., Bernaschek, G., Urbanek, R. Transplacental priming of the human immune system with environmental allergens can occur early in gestation (2000) *Journal of Allergy and Clinical Immunology*, 106 (3), pp. 530-536. (7,667)

33. Ständer, S., Szépfalusi, Z., Bohle, B., Ständer, H., Kraft, D., Luger, T.A., Metzger, D. Differential storage of hydroxyethyl starch (HES) in the skin: An immunoelectron-microscopical long-term study (2001) *Cell and Tissue Research*, 304 (2), pp. 261-269. (2,383)
34. Kopp, M.V., Zehle, C., Pichler, J., Szépfalusi, Z., Moseler, M., Deichmann, K., Forster, J., Kuehr, J. Allergen-specific T cell reactivity in cord blood: The influence of maternal cytokine production(2001) *Clinical and Experimental Allergy*, 31 (10), pp. 1536-1543. (3,553)
35. Nentwich, I., Michková, E., Nevoral, J., Urbanek, R., Szépfalusi, Z. Cow's milk-specific cellular and humoral immune responses and atopy skin symptoms in infants from atopic families fed a partially (pHF) or extensively (eHF) hydrolyzed infant formula (2001) *Allergy: European Journal of Allergy and Clinical Immunology*, 56 (12), pp. 1144-1156. (4,120)
36. Hallwirth, U., Pomberger, G., Zaknun, D., Szepfalusi, Z., Horcher, E., Pollak, A., Roth, E., Spittler, A. Monocyte phagocytosis as a reliable parameter for predicting early-onset sepsis in very low birthweight infants (2002) *Early Human Development*, 67 (1-2), pp. 1-9. (1,282)
37. Pichler, J., Gerstmayr, M., Szépfalusi, Z., Urbanek, R., Peterlik, M., Willheim, M. $1\alpha,25(\text{OH})_2\text{D}_3$ inhibits not only Th1 but also Th2 differentiation in human cord blood T cells (2002) *Pediatric Research*, 52 (1), pp. 12-18. (2,875)
38. Edelbauer, M., Gerstmayr, M., Loibichler, C., Jost, E., Huemer, M., Urbanek, R., Szépfalusi, Z. Glucocorticoids enhance interleukin-4 production to neo-antigen (hyaluronidase) in children immunocompromised with cytostatic drugs (2002) *Pediatric Allergy and Immunology*, 13 (5), pp. 375-380. (2,201)
39. Loibichler, C., Pichler, J., Gerstmayr, M., Bohle, B., Kiss, H., Urbanek, R., Szépfalusi, Z. Materno-fetal passage of nutritive and inhalant allergens across placentas of term and pre-term deliveries perfused in vitro (2002) *Clinical and Experimental Allergy*, 32 (11), pp. 1546-1551. (3,553)
40. Edelbauer, M., Loibichler, C., Witt, A., Gerstmayr, M., Putschögl, B., Urbanek, R., Szépfalusi, Z. Dose-dependent and preterm-accentuated diaplacental transport of nutritive allergens in vitro (2003) *International Archives of Allergy and Immunology*, 130 (1), pp. 25-32. (2,201)
41. Szépfalusi, Z. Cord blood and allergy prevention [Was können nabelschnurzelluntersuchungen zur allergieprävention beitragen?] (2003) *Allergologie*, 26 (7), pp. 272-279. (0,160)
42. Szépfalusi, Z. Allergen-specific immunotherapy in children. Indications and results [Allergenspezifische immuntherapie im kindesalter. Indikationen und ergebnisse] (2003) *Padiatrische Praxis*, 63 (3), pp. 461-469.
43. Nentwich, I., Pazdírková, A., Koběřská, I., Pokojská, E., Szépfalusi, Z., Lokaj, J. Cow Milk-Specific Humoral and Cellular Immune Response in Infants with High Risk of Atopy under Feeding a Whey Hydrolysate Infant Formula [Kuhmilchspezifische humorale und zelluläre Immunantwort bei Säuglingen mit hohem Atopierisiko unter Ernährung mit einer Molke-Hydrolysatnahrung] (2003) *Klinische Padiatrie*, 215 (5), pp. 275-279. (1,036)
44. Hermon, M.M., Golej, J., Emminger, W., Puig, S., Szepfalusi, Z., Trittenwein, G. Acute hemorrhagic respiratory failure caused by Wegener's granulomatosis successfully treated by bronchoalveolar lavage with diluted surfactant (2003) *Wiener Klinische Wochenschrift*, 115 (21-22), pp. 793-796. (0,577)
45. Edelbauer, M., Loibichler, C., Nentwich, I., Gerstmayr, M., Urbanek, R., Szépfalusi, Z. Maternally delivered nutritive allergens in cord blood and in placental tissue of term and preterm neonates (2004) *Clinical and Experimental Allergy*, 34 (2), pp. 189-193. (3,553)

46. Dehlink, E., Prandstetter, C., Eiwegger, T., Putschögl, B., Urbanek, R., Szépfalusi, Z. Increased prevalence of latex-sensitization among children with chronic renal failure (2004) *Allergy: European Journal of Allergy and Clinical Immunology*, 59 (7), pp. 734-738. (4,120)
47. Nentwich, I., Szépfalusi, Zs., Kunz, C., Spuergin, P., Urbanek, R. Antigenicity for humans of cow milk caseins, casein hydrolysate and casein hydrolysate fractions (2004) *Acta Veterinaria Brno*, 73 (2), pp. 291-298.
48. Kopp, T., Karlhofer, F., Szépfalusi, Z., Schneeberger, A., Stingl, G., Tanew, A. Successful use of acitretin in conjunction with narrowband ultraviolet B phototherapy in a child with severe pustular psoriasis, von Zumbusch type (2004) *British Journal of Dermatology*, 151 (4), pp. 912-916. (2,978)
49. Eiwegger, T., Stahl, B., Schmitt, J., Boehm, G., Gerstmayr, M., Pichler, J., Dehlink, E., Loibichler, C., Urbanek, R., Szépfalusi, Z. Human milk-derived oligosaccharides and plant-derived oligosaccharides stimulate cytokine production of cord blood T-cells in vitro (2004) *Pediatric Research*, 56 (4), pp. 536-540. (2,875)
50. Szépfalusi, Zs. Specific immunotherapy (SIT) - Long-lasting effect in insect venom allergy: Commentary [Spezifische Immuntherapie (SIT). Langanhaltende Wirkung bei Insektengiftallergie: Kommentar] (2005) *Monatsschrift für Kinderheilkunde*, 153 (9), p. 881.
51. Hauer, A.C., Kirchlechner, V., Szépfalusi, Z., Zwiauer, K. Diagnosis and treatment of infants with suspected cow's milk allergy. Statement of the Committee on Nutrition of the Austrian Society of Paediatric and Adolescent Medicine [Diagnostik und Therapie bei Säuglingen mit Verdacht auf Kuhmilchproteinallergie: Stellungnahme der Ernährungskommission der Österreichischen Gesellschaft für Kinder- und Jugendheilkunde] (2006) *Monatsschrift für Kinderheilkunde*, 154 (1), pp. 70-73.
52. Dehlink, E., Eiwegger, T., Gerstmayr, M., Kampl, E., Bohle, B., Chen, K.-W., Vrtala, S., Urbanek, R., Szépfalusi, Z. Absence of systemic immunologic changes during dose build-up phase and early maintenance period in effective specific sublingual immunotherapy in children (2006) *Clinical and Experimental Allergy*, 36 (1), pp. 32-39. (3,553)
53. Frischer, T., Myung, J.-K., Maurer, G., Eichler, I., Szépfalusi, Z., Lubec, G. Possible dysregulation of chaperon and metabolic proteins in cystic fibrosis bronchial tissue (2006) *Proteomics*, 6 (11), pp. 3381-3388. (6,088)
54. Fritsch, M., Uxa, S., Horak Jr., F., Putschögl, B., Dehlink, E., Szépfalusi, Z., Frischer, T. Exhaled nitric oxide in the management of childhood asthma: A prospective 6-months study (2006) *Pediatric Pulmonology*, 41 (9), pp. 855-862. (1,589)
55. Dehlink, E., Gruber, S., Eiwegger, T., Gruber, D., Mueller, T., Huber, W.-D., Klepetko, W., Rumpold, H., Urbanek, R., Szépfalusi, Z. Immunosuppressive therapy does not prevent the occurrence of immunoglobulin E-mediated allergies in children and adolescents with organ transplants (2006) *Pediatrics*, 118 (3), pp. e764-e770. (4,272)
56. Szépfalusi, Z., Loibichler, C., Hänel-Dekan, S., Dehlink, E., Gerstmayr, M., Pichler, J., Eiwegger, T., Horvat, R., Urbanek, R. Most of diaplacentally transferred allergen is retained in the placenta (2006) *Clinical and Experimental Allergy*, 36 (9), pp. 1130-1137. (3,553)
57. Eiwegger, T., Rigby, N., Mondoulet, L., Bernard, H., Krauth, M.-T., Boehm, A., Dehlink, E., Valent, P., Wal, J.M., Mills, E.N.C., Szépfalusi, Z. Gastro-duodenal digestion products of the major peanut allergen Ara h 1 retain an allergenic potential (2006) *Clinical and Experimental Allergy*, 36 (10), pp. 1281-1288. (3,553)

58. Eiwegger, T., Dehlink, E., Schwindt, J., Pomberger, G., Reider, N., Frigo, E., Rokitansky, A.M., Urbanek, R., Szépfalusi, Z. Early exposure to latex products mediates latex sensitization in spina bifida but not in other diseases with comparable latex exposure rates (2006) *Clinical and Experimental Allergy*, 36 (10), pp. 1242-1246. (3,553)
59. Gruber, S., Dehlink, E., Eiwegger, T., Gut, S., Jaksch, P., Klepetko, W., Rumpold, H., Szépfalusi, Z. Immunoglobulin E-mediated allergies in lung-transplanted adults (2007) *Transplantation*, 84 (2), pp. 275-279. (3,97)
60. Kirchlechner, V., Dehlink, E., Szepfalusi, Z. Cow's milk allergy: Guidelines for the diagnostic evaluation [Verdacht auf kuhmilchallergie: Praktische empfehlungen zum diagnostischen vorgehen] (2007) *Klinische Padiatrie*, 219 (4), pp. 201-205. (1,036)
61. Dehlink, E., Domig, K.J., Loibichler, C., Kampl, E., Eiwegger, T., Georgopoulos, A., Kneifel, W., Urbanek, R., Szépfalusi, Z. Heat- and formalin-inactivated probiotic bacteria induce comparable cytokine patterns in intestinal epithelial cell-leucocyte cocultures (2007) *Journal of Food Protection*, 70 (10), pp. 2417-2421. (1,92)
62. Szépfalusi, Z. Prenatal development of tolerance [Pränatale Entwicklung von Toleranz] (2008) *Allergologie*, 31 (4), pp. 119-129. (0,160)
63. Singer, F., Horak Jr., F., Friesenbichler, W., Schneider, B., Szépfalusi, Z., Frischer, T. Cysteinyl-leukotrienes in nasal lavage fluid in children with asthma (2008) *Pediatric Allergy and Immunology*, 19 (3), pp. 227-232. (2,850)
64. Grönlund, H., Adédoyin, J., Reininger, R., Varga, E.-M., Zach, M., Fredriksson, M., Kronqvist, M., Szepfalusi, Z., Spitzauer, S., Grönneberg, R., Valenta, R., Hedlin, G., Van Hage, M. Higher immunoglobulin E antibody levels to recombinant Fel d 1 in cat-allergic children with asthma compared with rhinoconjunctivitis (2008) *Clinical and Experimental Allergy*, 38 (8), pp. 1275-1281. (3,729)
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Summe IF = 635,141
H-Index: 39

2.2. Reviews

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2.3. Book contributions

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3. Teaching

3.1. Undergraduate and postgraduate teaching

- Undergraduate teaching activities; supervisor of doctoral thesis in medicine and food sciences since 1999 (over 10)

- Teaching activities within the pediatric, respiratory and immunology undergraduate program (Block 12 respiratory medicine), Block 16 (pediatrics) and Block 8 (Immunology)
- Faculty member in the Doctor Scientiae Program in Immunology (2003-)
 - Seminars, research progress reports, Journal club (weekly)
- Faculty member in the Doctor Scientiae Program in Transplantation (POET) (2005-)
 - Seminars, research progress reports, Journal club (weekly)

3.2. Completed PhD and doctoral thesis supervision

PhD

- Eleonora DEHLINK, „Immune-modulatory effects of lactic acid bacteria on human peripheral blood mononuclear cells through the barrier of intestinal epithelial cells (Caco-2) in a transwell system“ (PhD-thesis, sehr gut, Medizin, 2004-2007)
- Sherezade MORENO-ROMERO “Novel predictive markers and monitoring parameters for clinical manifestations of allergy(PhD, N090 MCCA, 2013-2019)
- Marta PONCE “Markers of allergen-specific tolerance development” (PhD, N090 MCCA, 2014-2019)

Diploma thesis

- Eleonora DEHLINK, „Immunologische Parameter bei mukosaler Immuntherapie (SLIT)“ (PhD, sehr gut, Medizin, 19.03.2001-25.4.2002)
- Monika EDELBAUER, „Einfluss von Glukokortikoiden auf die IgE-Bildung bei immunsupprimierten Patienten“ (sehr gut, Medizin, 2000-2001)
- Thomas EIWEGGER, „Influence of food derived effector substances on cord blood T- and B-cells“ (sehr gut, Medizin, 10.10.2001-12.6.2002)
- Christine LOIBICHLER, “Transplacental allergen transfer and transfer mechanisms of nutritive and inhalant allergens investigated in vitro by the use of a placental perfusion model and BeWo choriocarcinoma cell line”
Dissertationsarbeit: Ernährungswissenschaften (Prüfung: sehr gut, April 2002)
- Stefan ELSAESSER, „Pränataler Allergenkontakt mit nutritiven Allergenen“, (Medizin, Freiburg, Prüfung: 12.5.2003)
- Dr Sonja Rosemarie WILLINGER: “Lung transplantation in childhood” (doctoral thesis in medicine, 2005)
- Dr Vesselina Kurteva: „Detection of allergen-specific and total IgE in the saliva in food allergic children “ (doctoral thesis in medicine, 2006)
- Dr Saskia GRUBER: “Does immunosuppression with solid-organ transplantation induce Typ I allergies?“ (doctoral thesis in medicine, 06/2006)
- Dr. Nima MEMARAN DAGDAR (Dissertation N201, 2004 - 2007), „Thema: Role of sialic-acid binding site of CD22 in B cell IgG-production“
- Dr. Katharina MORITZ (Dissertation N201, 2006 - 2007), „Expression and regulation of Toll-like receptor 4 in human term placentas in an ex-vivo perfusion model“
- cand. med Alexandra SAUER (Dissertation N201, 2007 - abgebrochen), “Evaluation of variations of blood levels of immunosuppressive drugs in lung transplanted children and young adults at the department of pediatrics and side effects and infectious events related to these alterations”
- Dr. Eva UNTERSMEYER-ELSENHUBER, Doktoratsstudium, “Mechanisms of Type I Food Allergy”
- Dr. Isabella SCHÖLL, Doktoratsstudium, “Characterization of Allergen Conformation and Generation of Mimotopes for Active Immunotherapy of Type I Allergy” (Prüfungskommission)

- Ines ELSEMANN, (Diplomarbeit N202, 2007 – 2008), „Mikrobielle Einflüsse auf das Placentagewebe im Bezug auf Allergieentstehung“
- Mag. Elisabeth KIENE „The role of dendritic cells on neonatal cellular responses to allergens and endotoxins“, Dissertation
- Stefanie CERMAK (Diplomarbeit N202, 2007 - 2008), „Korrelation von pH im Kondensat mit inflammatorischen und bakteriellen Markern im Bronchialsekret sowie mit klinischen und radiologische Scores bei CF“
- Katharina THIR (Diplomarbeit N202, 2006 - 2009), „Klinische Relevanz von Allergiebefunden im Kindesalter“
- Mia GONA (Diplomarbeit N202, 2006 - 2008), „Charakterisierung von BAL Zellen bei CF versus lungentransplantierten Kindern“
- Irene LESIC (Diplomarbeit N202, 2006 - 2007), „Ziliendyskinesie im Kindesalter“
- Kerstin TIRINGER (Diplomarbeit N202, 2007 - 2009), „Prävalenz von Typ I Allergien bei Nieren-transplantierten Patienten unter CyA versus Tacrolimus“
- Carina BIBER (Diplomarbeit N202, 2005 - 2008), „Korrelation von klinischen und radiologischen Markern mit Atemwegsinfektion und Inflammation bei Kinder mit CF“
- Gerhard ADELSBERGER (Diplomarbeit N202, 2005 - 2007), „Methodische Aspekte der Messung von pH im Atemkondensat von Säuglingen mit Lungenerkrankungen“
- Verena SCHIMA (Diplomarbeit N202, 2007 – 2009), „pH im Atemkondensat und forcierte Oszillationstechnik als neue Methode zum longitudinalen Erfassen der Atemwegsobstruktion“
- Christina GEIGER (Diplomarbeit: Biochemie 2006 - 2008), „Cytokine- and SOCS-mRNA expression of peanut allergen and lactic acid bacteria stimulated cord blood mononuclear cells“
- Daniela ANSBRUNNER (Diplomarbeit N202, 2007 – abgebrochen 2007), „pH im Atemkondensat und forcierte Oszillationstechnik als neue Methode zum longitudinalen Erfassen der Atemwegsentzündung“
- Stefanie MAREK (Diplomarbeit N202, 2007 - 2008), „Erfassung von IgE Sensibilisierung und IgE-vermittelter Allergie vor geplanter Organtransplantation“
- Dagmara MAYER (Diplomarbeit N202, 2006 - 2008), „Erfassung von IgE Sensibilisierung und IgE-vermittelter Allergie vor Nierentransplantation im Kinderalter“
- cand. med. Eva Maria SCHIMEK „Establishment and Use of the Rat Basophilic Mediator Release Assay for the Detection of Biological Activity of Human IgE“
- cand med Peter BLAIMAUER: „Nachweis von Allergen und Allergen-spezifischem IgE in der Amnionflüssigkeit (Fruchtwasser); Bedeutung für die Genese einer fetalen Allergen-spezifischen Immunantwort“
- Victoria HAINDL (Diplomarbeit N202, 2008-2010), „Erfassung von IgE Sensibilisierung und IgE-vermittelter Allergie vor Lungentransplantation im Kinderalter“
- Bernhard VORARBERGER, Dissertation N201, 2007 abgebrochen, „Outcome von in Wien Lungentransplantierten Kindern und jungen Erwachsenen“
- Daniel HUDSON (Diplomarbeit N202, 2006-), „Prävalenzerhebung seltener Lungenerkrankungen bei Kindern an der Universitäts-Kinderklinik AKH Wien“
- Petra FUCIK (Diplomarbeit N202, 2008-2011), „Charakterisierung von BAL Zellen bei CF-Kindern“
- Katharina PRIELER (Diplomarbeit N202, 2007-2009), „Verstecktes Allergen (Erdnuß) in Nahrungsmittel führt zu Anaphylaxie“
- Lambert HUYS (Diplomarbeit N202, 2008-2010), „Korrelation von klinischem Verdacht durch eine validierte Allergiediagnostik“
- Katrin DEFORS (vormals ANTON) (Diplomarbeit N202, 2005-2008), „Prädiktiver Wert eines bronchialen Provokationstestes mit Adenosinmonophosphat und forcierter

Oszillationstechnik im Vorschulalter auf die Entstehung von Asthma bronchiale im Schulalter“

- Nina STEINKE (Diplomarbeit N202, 2008-2011), „Management komplizierter Pneumonien im Allgemeinen Krankenhaus Wien“
- Mag. Elisabeth MAYER (Dissertation: Ernährungswissenschaften 2005-2010), „Modulation Allergen-spezifischer Immunantworten durch Endotoxinkontamination“
- cand. med. Carina WITT (Diplomarbeit N202, 2009 -) „Zytokinprofil (TH₁/TH₂) in der BAL-Flüssigkeit bei Patienten mit Cystischer Fibrose“
- cand. med. Jefim STEPANOW (Diplomarbeit N202, 2009-2013) „Neue zelluläre Marker bei IgE-vermittelten Nahrungsmittelallergien“
- cand med. Sebastian DUPAL (Diplomarbeit N202, 2009-2012) „Führt die Immunsuppression bei Organtransplantation zu Allergien?“
- cand med. Mario REIS (Diplomarbeit N202, 2009-2012) „Nahrungsmittelallergie im Kindesalter – ein Datenregister“
- cand med. Andrea TITIENI (Diplomarbeit N202, 2009-2013) „Funktionelle Ziliendiagnostik“
- cand med. NISSEN (Diplomarbeit N202, 2014-2018) „Bakterielle Besiedlung bei Primärer Ziliendyskinesie“
- cand med Elisabeth LAURER (Diplomarbeit N202, 2014-2017) „Basophil activation test as predictor of clinical relevant food allergy“
- cand med. Dana LESTIBOUDOIS (Diplomarbeit N202, 2014-2017) „Peanut allergy in children“
- cand med. Tracy Maryse CASTILLO (Diplomarbeit N202, 2015-2019) „Long term outcome after pediatric lung transplantation“
- cand med. Nicole Patrizia STRASSER (Diplomarbeit N202, 2015-2019) „Quality of Life after paediatric lung transplantation“
- cand med Marieke MERRELAAR (Diplomarbeit N202, 2016-2019) „Composition of hydrolyzed milk formula over last 30 years“

3.3. Current PhD and doctoral thesis supervision

PhD

- Dr. Thomas EIWEGGER (PhD N094 Immunologie 2006 -), „Influence of human and cow’s milk derived sialylated oligosaccharides in cord blood derived mononuclear cells“
- Dr. Saskia GRUBER (PhD N090 POET, 2007 -) „Allergy and immunosuppression – Evaluation of cellular mechanisms“
- Dr. Christina SCHWEIFER/BANNERT (PhD, N090 POET, 2008 -) „Nachweis von IgE-bindenden Rezeptoren in PBMC (CRA-1) in Abhängigkeit des allergischen Krankheitsbildes (Asthma bronchiale, allerg. Rhinitis, Nahrungsmittelallergie, Neurodermitis)“
- Markus DEBIASI (PhD, N090 POET, 2014 -)
- Dr. Rene GAUPMANN (PhD, N790, 2019-)
- Dr. Nicole STRASSER (PhD, N790, 2020-)

Diploma thesis

- cand med Tobias LAHNER (Diplomarbeit N202, 2016-) „preventive sublingual Immunotherapy in preschool children“
- cand med Silja SAYEDA (Diplomarbeit N202, 2018-) „Versteckte Nahrungsmittel in Medikamenten“

- cand med Sophie DWORZAK (Diplomarbeit n202, 2019-) „Komplizierte Pneumonien zwischen 2017-2019“
- cand. med. Jakub HOZ (Diplomarbeit N202, 2019-) „Impfungen mit Hühnereiweißbestandteilen bei Hühnereiweißallergie“
- cand. Med. Anja Schoof (Diplomarbeit N2020, 2019-) „Outcome von Medikamentenprovokationen bei Kindern mit Arzneimittel-assoziierten Reaktionen“

3.4. External (international) PhD and thesis supervision

- Opponent to Mrs. Amoudruz (Stockholm/Sweden) 2008
- Thesis committee Mrs. van Laa (Amsterdam/The Netherlands) 2010

3.5. Invited lectures and congress lectures

2005

- | | | | |
|---|-----------|-----------------|--------------|
| • ÖGKJ Österreichische Gesellschaft für Kinder- und Jugendheilkunde | Obergurgl | invited speaker | 27.01.05 |
| • ÖGKJ | Obergurgl | speaker | 27.01.05 |
| • EU-Projekt Symposium (Interregio) | Bregenz | invited speaker | 26.02.05 |
| • Fortbildungsveranst. Kinderabt. | St.Pölten | invited speaker | 17.03.05 |
| • Fortbildungsveranst. Preyer KH | Wien | invited speaker | 19.04.05 |
| • Triangel meeting | Wien | organizer | 22.-23.04.05 |
| • EU-Projektmeeting (Europrevall) | UK | partner | 08.-11.06.05 |
| • EU-Projektmeeting (Causall) | Amsterdam | partner | 14.06.05 |
| • Asthma und Cortison (Fortbildung) | St.Gilgen | invited speaker | 17.06.05 |
| • Europ. Academy of Allergy (EAACI) | München | invited speaker | 26.-30.06.05 |
| • ÖGKJ | St.Pölten | invited speaker | 14.-16.09.05 |
| • Voralpenländischer Allergietag | Salzburg | invited speaker | 17.09.05 |
| • EU-Projektmeeting (Europrevall) | München | partner | 22.-25.09.05 |
| • EU-Projektmeeting (Causall) | Amsterdam | partner | 27.09.05 |
| • Europ. Avademy of Allergy (EAACI) | Kiew | invited speaker | 05.10.05 |
| • Fortbildungsverant. WSP Wien | Wien | invited speaker | 10.11.05 |
| • EU-Projektmeeting (Redall) | Wien | partner | 25.-26.11.05 |

2006

- | | | | |
|--|--------------|-----------------|--------------|
| • EU-Projektmeeting (Redall) | Mailand | partner | 20.-21.01.06 |
| • EU-Projektmeeting (Glofal) | Djakarta | partner | 12.-17.02.06 |
| • LOC (Local Organizing Comitte) | Wien | partner | 23.-24.02.06 |
| • Meeting „Atopische Dermatitis“ | Geimberg | invited speaker | 17.-19.03.06 |
| • 32. Jahrestagung Ges. Neonatologie u Intensivmedizin | Wien | invited speaker | 18.05.06 |
| • Wörthersee-Symposium | Velden | invited speaker | 19.-21.05.06 |
| • Triangel-Meeting | Berlin | partner | 02.-03.06.06 |
| • EAACI Meeting | Vienna | invited speaker | 10.-14.06.06 |
| • Symposium Erasmus-Universität | Rotterdam | invited speaker | 08.09.06 |
| • ÖGKJ | Bregenz | invited speaker | 28.-30.09.06 |
| • Intern. Symp. of Neonatal Intensive Care | Mailand | invited speaker | 26.-28.10.06 |
| • XII Int. Food Allergy Symposium | Philadelphia | invited speaker | 9.11.06 |

- 20. Jahrestagung der Arbeitsgemeinschaft Pädiatrische Allergologie Süd Karlsruhe invited speaker 17.– 19.11.06

2007

- EU-Meeting GLOFAL Gabun Partner 27.-30.04.07
- EAACI Göteborg Partner 09.-16.06.07
- Jahrestagung der Öst. Ges. für Kinder und Jugendheilkunde (ÖGKJ)) Wien Invited speaker 13.-19.09.07
- EU-Meeting EUROPREVALL Warschau Partner 17.-19.10.07
- 2. Gem. Deutsche Allergietagung Lübeck Invited speaker 26.-29.09.07
- AG Päd Allergologie Süd 20 Jahrestagung und 5. JT Süddeutsche Ges. für Allergologie Karlsruhe Invited speaker 17.-19.11.07
- Österr. Gesellschaft für Allergologie und Immunologie (ÖGAI) Wien Invited speaker 12.-14.12.07

2008

- Pediatric Allergy/Immunology Seminar American Austrian Foundation Salzburg Invited speaker 15.-16.01.08
- Air College (Fortbildung) Salzburg Invited speaker 25.-26.01.08
- Perspectives in Pediatric Allergology Fulda Invited speaker 27.-29.02.08
- 20. Mainzer Allergie WShop (DGAKI) Mainz Invited speaker 06.-08.03.08
- 30. Jahrestagung der Ges. f. pädiatrische Pneumologie Zürich Invited speaker 03.-05.04.08
- Hauterkrankungen im Kindesalter (Fortbildung) Ramsau Invited speaker 25.-27.04.08
- Wörthersee Symposium (ÖGAI) Velden Invited speaker 30.5.-01.06.08
- EAACI Barcelona Partner 07.-11.06.08
- University Stockholm Stockholm Opponent 13.06.08
- EU-Meeting GLOFAL Lambarene Partner 22.-30.06.08
- 3. Allergie-Kongress (DGAKI) Erfurt Invited speaker 10.-13.09.08
- Jahrestagung der Österr. Ges. für Pneumonologie Wien Invited speaker 18.-20.09.08
- 13. Grazer Allergietag Graz Invited speaker 25.10.08
- Allergie-Workshop (Fortbildung) Mondsee Invited speaker 11.10.08
- PAPRICA Serbia (EAACI) Belgrad Partner 06.11.08
- Expertenmeeting Protopic update Wien Invited speaker 14.11.08
- FASIT-Workshop 2008 Hamburg Invited speaker 04.-06.12.08

2009

- EAACI Task Force Meeting Venedig Partner 13.-15.02.09
- Seminar "Klinische Prüfung in der Pädiatrie" Wien Invited speaker 05.03.09
- 3. WAPPA Nahrungsmittelallergie-Tag Bonn Invited speaker 25.04.09
- „Diagnose in der klinischen Allergologie“ ÖGAI-Fortbildung Wien Vorsitzender 16.-7.04.09
- Mondseer Gespräche Mondsee Invited speaker 06.-08.05.09
- EAACI Warschau Invited speaker 06.-10.06.09

- AGPAS Rosenheim Invited speaker 23.-24.10.09
- ÖGKJ Graz Invited speaker 1.-3.10.09
- 4. Salzburger Allergiegespräche ÖGAI Salzburg Invited speaker 06. – 07.11.09
- EAACI Venice Invited speaker 12.-14.11.09
- 7. Van Swieten Kongress Wien Invited speaker 27. – 28.11.09

2010

- XXII. European Congress Perinatal Medicine Granada Invited speaker 26.-29.05.10
- Int. Päd. Symposium Obergurgl Invited speaker 21. – 22.01.10
- Wörthersee Symposium Velden Invited speaker 18. – 20.06.10
- Ped. Allergology und Pneumo Vienna Congresspresident 05.03.2010
- 5.Dt. Allergiekongress Hannover Invited speaker 8.-11.09.2010
- EAACI Allergy School Turkey Kusadasi Invited speaker 30.9.-2.10.10
- Austrian Pneumology Society Graz Invited speaker 7.-10.10.2010
- Päd. Fortbildungstagung Leoben Invited speaker 29.-30.10.10
- Pulmo Fortbildungstagung Wien Invited speaker 6.11.2010
- 25.päd Samstag Linz Linz Invited speaker 20.11.2010
- Excellence in Pediatrics London Invited speaker 3.-5-12.2010

2011

- Ped. Allergology and Pneumo Vienna Congresspresident 04.03.2011
- Akademie der Ernährungsmed. Vienna invited speaker 03.03.2011
- Ges. Päd. Pulmologie (GPP) Graz Invited speaker 03.-04.4.2011
- VEÖ-Tagung Ernährungswiss. Vienna Invited speaker 05.-06.5.2011
- 100 Jahre Kinderklinik Wien Vienna Invited speaker 14.5.2011
- Europ. Academy of Allergy and Imm Istanbul Invited chair 11.-15.6.2011
- Europediatrics Vienna Vienna Invited chair 23.-25.6.2011
- PhD program Immunity in Allergy Salzburg Invited speaker 1.-2.7.2011
- ÖGAI Austrian Soc of All and Imm Graz Invited speaker 15.-17.9.2011
- ÖGKJ Austrian Soc of Pediatrics Villach Invited speaker 6.-8.10.2011

2012

- Ped. Allergology and Pneumo Vienna Congresspresident 08.03.2012
- 7.Deutscher Allergiekongress Munich invited speaker 11.-13.10.12
- 3. Kinderhauttag Vienna Invited speaker 19.-20.10.12
- Europ. Academy of Allergy and Imm Geneva Invited chair 11.-15.6.2012
- Wörtherseesymposium Velden Invited speaker 22.-24.6.2012
- ÖGKJ Austrian Soc of Pediatrics Salzburg invited chair 27.-29.9.2012

2013

- Int. Ped. Symposium Obergurgl Invited Speaker 16.-19.1.2013
- Ped. Allergology and Pneumo Vienna Congresspresident 04.03.2013
- Ges. Ped. Pneumologie (GPP) Lübeck Invited chair 7.-9.3.2013
- AG Päd. Pneumologie und Allergol Mondsee Invited speaker 24.-26.4.2013
- 4. Kinderhauttag Vienna Invited chair 18.10.2013
- Europ. Academy of Allergy and Imm Milano Invited speaker 22.-26.6.2013
- ÖGKJ Austrian Soc of Pediatrics Innsbruck Invited speaker 26.-28.9.2013
- Päd. Samstag Linz Invited speaker 16.11.2013

- Update Ped. ENT Vienna Invited speaker 22./23.11.2013
- Pre ISMA meeting Vienna Invited speaker 4.12.2013

2014

- Öst. CF Tagung Vienna Invited Speaker 1.3.2014
- 5th Ped. Allergology and Pneumo Vienna Congresspresident 8.3.2014
- Innsbrucker Allergietage Innsbruck Invited speaker 22.3.2014
- Päd. Frühling Seggau Seggau Invited speaker 15.5.2014
- 4. Kinderhauttag Vienna Invited speaker 24.-25.10.14
- Wörtherseesymposium Velden Invited speaker 19.-21.6.2014
- ÖGKJ Austrian Soc of Pediatrics Vienna Invited speaker 17.-19.9.2014
- Master Class Asthma Vienna Invited speaker 27.9.2014
- ÖGP Austrian Soc of Pulmonology Salzburg Invited speaker 2.-4.10.2014
- Pediatric Update Refresher meeting Vienna Invited speaker 6.11.2014
- Pediatric allergy course Vienna Invited speaker 15.11.2014

2015

- “First 1000 days” symposium Frankfurt Invited speaker 16.-17.1.2015
- 6th Ped. Allergology and Pneumo Vienna Congresspresident 14.3.2015
- ISHLT (Int Soc Heart and Lung Tx) Nizza LOC member 15.-18.4.2015
- Pneumo Master Class Vienna invited speaker 30.5.2015
- IgE component diagnostic course Vienna invited speaker 4.-5.9.2015
- 2nd INUNIMAI allergy course Vienna invited speaker 10.9.2015
- ÖGKJ Austrian Soc of Pediatrics Vienna Invited speaker 24.-26.9.2015
- PAAM EAACI meeting Berlin Invited speaker 15.-17.10.2015
- ENT allergy course Vienna invited speaker 13.-14.11.2015

2016

- Päd. Symposium Obergurgl Obergurgl Invited speaker 21.-22.1.2016
- Int. Symposium Ped. Surgery Obergurgl Invited speaker 31.1.-3.2.2016
- 7th Ped. Allergology and Pneumo Vienna Congresspresident 5.3.2016
- Ges. Päd. Pneumologie Dresden attendee 10.3.-11.3.2016
- Mondseer Gespräche Mondsee AG Leiter 20.-22.4.2016
- EAACI (Europ Academy of Allerg.) Vienna Congress sc. Chair 11.-17.6.2016
- ÖÄK Pädiatrie Prüfungskurs Vienna invited speaker 28.-29.9.2016
- Öst Ges Pneumologie Vienna invited speaker 6.-8.10.2016
- Kinderhauttag Vienna Vienna chair 14.10.2016
- ÖGAI (Aust. Soc. Allerg and Immun.) Innsbruck chair 17.-19.11.2016
- Päd. Update Refresher Vienna invited speaker 25.11.2016
- ÖÄK Pädiatrie Prüfungskurs Vienna invited speaker 28.-29.9.2016
- HNO Update Course Vienna invited speaker 2.-3.12.2016

2017

- ENT Allergy course Vienna invited speaker 20.-21.1.2017
- Ped. Symposium Obergurgl Obergurgl invited speaker 19.1.-20.1.2017
- 8th Ped. Allergology and Pneumo Vienna congresspresident 11.3.2017
- Ges. Päd. Pneumologie Essen attendee 30.3.-1.4.2017
- Mondseer Gespräche Mondsee WG leader 26.-28.4.2017
- E-Rare EU Project HCQ4surfdef Berlin project meeting 4.5.2017

• Allergie in Vienna	Vienna	invited speaker	6.5.2017
• Interdisciplinary Allergology	Vienna	invited speaker	10.5.2017
• Päd. Frühling Pädiatrie	Seggau	invited speaker	18.-20.5.2017
• EAACI (Europ Academy of Allerg.)	Vienna	invited speaker	16.-21.6.2017
• Allergy component school (CRD)	Vienna	invited speaker	1.-2.9.2017
• ALLEVIATE project meeting	Kopenhagen	clinical partner	4.-5.9.2017
• ÖGKJ Austrian Soc of Pediatrics	Vienna	Invited speaker	21.-23.9.2017
• MCCA FWF doctoral program	Vienna	Principal investing.	25.-26.9.2017
• Allergy course MUW/Hütteldorf	Vienna	invited speaker	30.9.2017
• PAAM (Ped Allergy Anaphylaxis)	London	invited speaker	27.-29.10.2017
• SFB FWF retreat	Ottenstein	principal investing.	6.-7.11.2017
• ÖGAI (Aust. Soc. Allerg and Immun.)	Vienna	LOC	16.-18.11.2017

2018

• 9 th Ped. Allergology and Pneumo	Vienna	congresspresident	10.3.2018
• Ges. Päd. Pneumologie	Vienna	invited speaker	21.2.-24.2.2018
• Päd. Frühling Pädiatrie	Seggau	invited speaker	24.-26.5.2018
• EAACI (Europ Academy of Allerg.)	Vienna	attendee	26.-30.5.2018
• Allergy component school (CRD)	Vienna	invited speaker	7.-8.9.2018
• ECI Europ Cong of Immunology	Amsterdam	invited chair	2.-5.9.2018
• ALLEVIATE project meeting	Kopenhagen	clinical partner	19.-20.2.2018
• ÖGKJ Austrian Soc of Pediatrics	Vienna	Invited chair	27.-29.9.2018
• Grazer Allergy Day	Graz	Invited speaker	13.10.2018
• ALLEVIATE project meeting	Kopenhagen	clinical partner	22.-23.10.2018
• Next Generation ÖGAling	Vienna	congress secretary	12.11.2018

2019

• 10 th Ped. Allergology and Pneumo	Vienna	congresspresident	9.3.2019
• Ges. Päd. Pneumologie	Munich	invited speaker	14.3.-16.3.2019
• ALLEVIATE project meeting	Vienna	clinical partner, host	4.3.-5.3.2019
• Allergie in Wien	Vienna	organizer	18.5.2019
• EAACI (Europ Academy of Allerg.)	Lisbon	attendee	1.-5.6.2019
• Allergy component school (CRD)	Vienna	invited speaker	7.-8.9.2018
• ÖGKJ Austrian Soc of Pediatrics	Klagenfurt	Invited chair	18.-21.9.2019
• Innsbruck Allergy Day	Innsbruck	Invited speaker	23.3.2019
• ALLEVIATE project meeting	Kopenhagen	clinical partner	2.-4.10.2019
• ÖGAI meeting	Graz	board member	21.-23.11.2019

4. Scientific Projects

a. Peer reviewed projects

- FWF-Genetik und Umwelt bei Atopie, FWF S06701-MED (1995-1999)
- Cow milk allergy: BMWF FD 4918 (1995-1996)
- BM:WV GZ 140.045/2-III/2a/99 Dendritic cells and influence on prenatal antigen presentation (2001-2002)
- Anton Dreher Gedächtnisstiftung (1999)
- Nationalbank Fonds 7387 (2000)
- FWF P14659-PAT (2001-2003) „Diaplacental passage of nutritive and inhalant allergens“

- EU-Projekt Allergest QLK1-CT-2001-01239 (2002-2004) “The Effect of Gastrointestinal Digestion on the Allergenicity of Foods“
- SFB (Schwerpunktforschungsbereich F018 (F1817-B13) (2005-2006) „Molecular and Immunological strategies for prevention, diagnosis and treatment of Type I allergies“
- EU-Projekt Redall QLK1-CT-2004 (2003-2006) “Reduced allergenicity of hypoallergenic foods“
- EU-Projekt EuroPrevall 51400 (2004-2009) “Prevalence of food allergies in Europe“
- EU-Projekt Glofal (2005-2007) “Global View of Food Allergy“
- Nationalbank Fonds 13073 (2008-2010) “Entstehen Heuschnupfen und Asthma bei Organtransplantpatienten trotz unterdrückter Immunität“
- Nationalbank Fonds (Dr. T. Eiwegger, 2010-2011) „Transfer von Allergien durch Stammzeltransplantation im Kindesalter“
- SFB (Schwerpunktforschungsbereich F04615) (2012-2020) „Towards prevention and therapy of allergy“
- FWF C117 Doctoral Program (2013-2022) „Molecular, cellular and clinical allergology“
- FWF E-RARE HCQ4SurfDef (2017-2020)
- ALLEVIATE intern. Project (Danish Invention Fund) (2017-2020)
- Danube Allergy Research Cluster (2020-2023)

b. Non peer-reviewed projects

- Sandoz (1998-1999) “Tolerance induction“
- Bühlmann (1999), “CAST-ELISA and validation in children“
- Numico (2001-2002) “Oligosaccharides and immunomodulatory capacity“
- Danone Stiftung (2002)
- Fujisawa (2003) “Protopic in atopic dermatitis in infancy“
- Novartis (2005) “Use of pimecrolimus in infants and children in atopic dermatitis“
- Bühlmann (2006) “Validation of CASTflow and CAST-Elisa in food allergic children by the means of DBPCFC testing“
- Pharmacia/Phadia (2006-2007) “Influence of immunosuppressive drugs on IgE-mediated allergies in solid-organ transplanted children“
- Lung transplantation register started with 1985
- SHS (2007-2010) “The diagnostic value of allergen-specific T-cell cytokine production in food allergy at a single cell level“
- Phadia (2010-2012) “Validation of ISAC peanut-specific component diagnostic by controlled food challenges with single peanut components“
- LaRoche (2010-2011), Prospektive, beobachtende Sicherheitstudie an Kindern im Alter von < 24 Monaten, die Oseltamivir zur Behandlung oder Prophylaxe einer Influenza-Infektion erhalten
- GSK (2012-2014), „Inhaled Fluticasone propionate as monotherapy versus combination therapy with Salmeterol for persistent asthma in 4-11y old children“
- Stallergenes (2016-2017) Oralair
- Vertex VX15-440-101 (2017-2018) A Phase 2, randomized, double-blind, controlled study to evaluate the safety and efficacy of VX-440 combination therapy in subjects aged 12 years and older with cystic fibrosis.
- Lilly I4V-MC-JAIP (2019-2020) A phase 3, multicenter, randomized, double-blind, Placebo-controlled, parallel-group, outpatient study evaluating the pharmacokinetics, efficacy, and safety of baricitinib in pediatric patients with moderate to severe atopic dermatitis.

- Corbus Pharmac. JBT101-CF-002 (2019-2020) A multicenter, randomized, double-blind, Placebo-controlled phase 2 trial to evaluate efficacy and safety of lenabasum in cystic fibrosis

5. Fellowships abroad

- 1982/06 Forschungsaufenthalt im Harry Pearlman Biochemical Research Institute, Mount Sinai Medical Center, Miami Beach 33140, USA (Prof. Dr. A. Wanner)
- 1989/06-10 Forschungsaufenthalt im Harry Pearlman Biochemical Research Institute, Mount Sinai Medical Center, Miami Beach 33140, USA (Prof. Dr. A. Wanner)

6. Prizes

- 1995 First Posterprice of the Austrian Society of Allergology and Immunology
- 1999 First Price for the best research paper of the year of the Austrian Society of Pediatrics
- 2001 Theodor Körner Fonds – Förderungspreis for Mag Christine Loibichler (doctoral thesis in food sciences)
- 2003 Theodor Körner Fonds – Förderungspreis for Dr Eleonore Dehlink
- 2007 - 2009 APART-Stipendium der Österreichischen Akademie der Wissenschaften for Dr. Eleonora Dehlink für drei Jahre (Boston Children's Harvard Institute), Forschungsthema „The role of Fc-epsilon-RI as an antigen uptakepresentation receptor in the intestinal mucosa and its tasks in allergic immune responses“, „Early Scientific Career Award“ der Fresher Research Foundation, Award of Excellence 2008 der MUW für die besten PhD-Dissertationen.
- 2012 EAACI food allergy meeting Vienna: poster prize for Christina Bannert
- 2014/2015 Teaching Oscar award for best Grand Round lecture (together with Dr. Diesner)
- 2015 ÖGKJ best abstract award (Christina Bannert)
- 2015/2016 Teaching Oscar award for best Grand Round lecture (together with Dr. Diesner/B Böhm)
- 2016/2017 Teaching Oscar award for 2nd best Grand Round lecture (together with Dr. Diesner/B. Böhm)
- 2018 Poster prize EAACI 2018 Munich, Sherezade Romero Monino
- 2017/2018 Teaching Oscar award for 3rd best Grand Round lecture Ttogether with Dr. Diesner/B. Böhm)

7. International activities

7.1. Editorial Board

- Int. Archives Allergy Immunology (-2017)
- Allergologie
- Klinische Pädiatrie (Co-Editor)

7.2. Reviewer for Journals

- Journal of Pediatrics
- Pediatric Research
- Allergy
- Clinical Experimental Allergy
- Pediatric Allergy and Immunology
- International Archives of Allergy and Immunology
- Europ. Resp. J.
- Allergologie
- Journal of Allergy and Clinical Immunology
- Journal of Allergy and Clinical Immunology Practice
- Journal of Clinical Immunology
- Pediatric Nephrology
- Wiener Klinische Wochenschrift
- Medical Research Council (UIA)
- Analytical and Bioanalytical Chemistry
- J Respiratory Medicine

2008:16 2009:28 2010:31 2011:23 2012:21 2013:20 2014:22 2015:19 2016:19
2017:13 2018:16 2019:14 2020:13

8. International activities and congress organization

- Austrian society of Allergology and Immunology, Executive board 1999-2002, 2014-2018
- UEMS-Pediatric Allergology, austrian delegate since 2002
- 25th annual meeting of the Society of Pediatric Pneumology 2003 in Vienna, 24-26.4.2003 Congresspresident with Prof. Dr. Frischer
- Annual meeting of the South German Society of Pediatric Allergology in Salzburg 2004, congress president
- 25th annual meeting of the European Academy of Allergy and Clin Immunology (EAACI) in Vienna, 10-14.6.2006, Local Organizing Committee
- 1st Ped. Allergology and Pneumology Congress 2010 in Vienna, 5.3.2010, Congress-president
- 2nd Ped. Allergology and Pneumology Congress 2011 in Vienna, 4.3.2011, Congress president
- 3rd Ped. Allergology and Pneumology Congress 2012 in Vienna, 16.3.2012, Congress president
- 4th Ped. Allergology and Pneumology Congress 2013 in Vienna, 2.3.2013, Congress president
- 5th Ped. Allergology and Pneumology Congress 2014 in Vienna, 8.3.2014, Congress president
- 6th Ped. Allergology and Pneumology Congress 2015 in Vienna, 14.3.2015, Congress president
- 7th Ped. Allergology and Pneumology Congress 2016 in Vienna, 5.3.2016, Congress president
- EAACI (Europ Academy of Allergy and clinical immunology) annual meeting 2016 in Vienna, 11.-17.6.2016, Local Organizing Committee Chair
- 8th Ped. Allergology and Pneumology Congress 2017 in Vienna, 11.3.2017, Congress president

- 9th Ped. Allergology and Pneumology Congress 2018 in Vienna, 10.3.2018, Congress president
- 10th Ped. Allergology and Pneumology Congress 2019 in Vienna, 9.3.2019, Congress president
- 11th Ped. Allergology and Pneumology Congress 2019 in Vienna, 7.3.2020, Congress president
- Allergy in Vienna, 11.5.2019, congress organization
- Allergy in Vienna, 30.5.2021, congress organization

9. Summary of Research and Teaching activities of Dr. Zsolt Szépfalusi

Born in Vienna, Zsolt Szépfalusi has made his scholarship (french school 1981) and undergraduate studies (medical faculty) in Vienna. During undergraduate studies he was involved in research activities on cystic fibrosis on a sheep model in Miami at the **Harry Pearlman Biochemical** Institute. After graduation (1989) he continued his studies in Miami until he returned to Vienna and started his postgraduate studies in Immunology on the **Institute of Pathophysiology** with Prof. Kraft. At this institute, he was inspired to start scientific activities on various fields of allergology, in particular on Type I allergies and the mode of materno-fetal interaction with emphasis on allergy development. These fields of scientific interests and his motivation to work with children let him move to the **Department of Pediatrics** (Prof. Urbanek) in 1993. He started his clinical pediatric training while setting up a pediatric allergological research laboratory at the Department of Pediatrics. Being involved in an Austrian Science Fonds funded project „Genetic and Environment in atopy, FWF S06701-MED) he established basic data on the interaction of maternal allergen exposure and fetal immune responses. This very special topic will continue to stimulate new questions in the research group of Zsolt Szépfalusi. Thereby, he is able to show in various human models that prenatal materno-fetal allergen transfer happens and induces an allergen-specific immune response in the offspring. These scientific data were the basis for current investigations on the influence of endotoxin and helminthic products (as a surrogate marker for bacterial or helminthic overload in the environment) on the fetal immune system. For this, again the ex vivo established placenta model is been used. With this topic and the involvement in a series of EC-funded projects on food allergy, many collaborative works were initiated and stimulate the research activities in the group of Zsolt Szépfalusi. Zsolt Szépfalusi was/is involved in 5 EC-funded projects (**ALLERGEST, REDALL, GALEN, EUROPREVALL, GLOFAL**) and **FWF**-funded single projects, **FSB** (Forschungsschwerpunkt) and **SFB** (Schwerpunktforschungsbereich; „Molecular and Immunological strategies for prevention, diagnosis and treatment of Type I allergies“ and “Towards Prevention and Therapy of Allergy”). Zsolt Szépfalusi heads a large research group, members of which having received research fellowships in Harvard Medical School (Dr. Eleonora Dehlink; Austrian Academy of Sciences) and the Swiss Institute of Allergy Research in Davos (Dr. Thomas Eiwegger). Both colleagues have been appointed in reknown international institutes (Imperial college of London; Sickkids University in Toronto). He is actively involved in implementing “Investigative clinical trials” in pediatrics with particular focus on orphan diseases. He heads the “Investigator initiated trial” on “Preventive allergen-specific immunotherapy in children”. In the last 10 years, through these collaborative investigations Zsolt Szépfalusi could gather over **€ 3.000.000.- third-party funds**. More than 130 publications in peer-reviewed top journals document the research activities of his group. He is international reviewer in Top Journals of Pediatrics and Allergology/Pneumology and Co-Editor of the Journal of “Clinical Research and Practice in Pediatrics”.

Zsolt Szépfalusi is actively involved in patient care. In his function of head of division (Division of General Pediatrics) from 2005-2007 till the merge of the divisions of General Pediatrics and Neonatology, he headed 30 academic pediatricians with various subspecialties. Thus, he could acquire lots of experience in running a clinic with in- and out-patient care in a University Hospital setting. Since his graduation to an **associate professor 1999** he is permanently involved in teaching activities (over 10 doctoral thesis in medicine and food sciences; involvement in 3 doctor med. Scientiae/PhD programmes in „Immunology“ and „Transplantation“ and “Molecular, Cellular and Clinical Allergology”). Lectures hold as „Journal Clubs“, „Research progress Reports“ and Teaching activities in the Pediatric undergraduate Program document the constant teaching involvement at undergraduate and postgraduate level. Zsolt Szépfalusi is the austrian delegate to the UEMS Section of Pediatrics, Pediatric Allergology group since 2005. Zsolt Szépfalusi was majorily involved in the drafting of the Syllabus for the Pediatric Allergology Training Program, later merged with the Pediatric Pneumology Program; this program reached acceptance by governmental authorities in 2006. In 2009, Zsolt Szépfalusi has been appointed “Europ. Pediatric Allergologist” according to the UEMS criteria. In 2015 Zsolt Szépfalusi has become head of the task group of pediatric pneumology and allergology of the Austrian Society of Pediatrics (until 2020).