

Ausgewählte Publikationen

2015

Global Allergy Forum and Third Davos Declaration 2015: Atopic dermatitis/ Eczema: challenges and opportunities toward precision medicine. Bieber T, Akdis C, Lauener R, Traidl-Hoffmann C, Schmid-Grendelmeier P, Schäppi G, Allam JP, Apfelbacher C, Augustin M, Beck L, Biedermann T, Braun-Fahrlander C, Chew F T, Clavel T, Cramer R, Darsow U, Deleuran M, Dittlein D, Duchna HW, Eichenfeld L, Eyerich K, Frei R, Gelmetti C, Gieler U, Gilles S, Glatz M, Grando K, Green K, Gutermuth J, Guttman-Yassky E, Hanifin J, Hijnen D, Hoetzenecker W, Irvine A, Kalweit A, Katoh N, Knol E, Koren H, Möhrenschrager M, Münch D, Novak N, O'Mahony L, Paller AS, Rhyner C, Roduit C, Schiesser K, Schröder J, Simon D, Simon HU, Sokolowska M, Spuls P, Stalder JF, Straub D, Szalai Z, Taieb A, Takaoka R, Todd G, Todorova A, Vestergaard C, Werfel T, Wollenberg A, Ring J. Allergy online 2016 Mar, Doi: 10.1111/all.12857.

Agache I, Sugita K, Morita H, Akdis M, Akdis CA. The Complex Type 2 Endotype in Allergy and Asthma: From Laboratory to Bedside. *Curr Allergy Asthma Rep.* 2015 Jun;15(6):29. IPF: 2.450.

Akdis CA, Akdis M. Advances in allergen immunotherapy: aiming for complete tolerance to allergens. *Sci Transl Med.* 2015 Mar 25;7(280) IPF: 15.843.

Baurecht H, Hotze M, Brand S, Büning C, Cormican P, Corvin A, Ellinghaus D, Ellinghaus E, Esparza-Gordillo J, Fölster-Holst R, Franke A, Gieger C, Hubner N, Illig T, Irvine AD, Kabesch M, Lee YA, Lieb W, Marenholz I, McLean WH, Morris DW, Mrowietz U, Nair R, Nöthen MM, Novak N, O'Regan GM; PAGE Consortium, Schreiber S, Smith C, Strauch K, Stuart PE, Trembath R, Tsoi LC, Weichenthal M, Barker J, Elder JT, Weidinger S, Cordell HJ, Brown SJ. Genome-wide comparative analysis of atopic dermatitis and psoriasis gives insight into opposing genetic mechanisms. *Am J Hum Genet.* 2015 Jan 8;96(1):104-20.

Bieber T, Straeter B. Off-label prescriptions for atopic dermatitis in Europe. *Allergy* 2015;70(1):6-11.

Blume C, Swindle EJ, Gilles S, Traidl-Hoffmann C, Davies DE. Low molecular weight components of pollen alter bronchial epithelial barrier functions. *Tissue Barriers.* 2015 Jul 15;3(3):e1062316. doi: 10.1080/15476286.2015.

1062316. eCollection 2015 Jul-Sep. PMID: 26451347.

Boyman O, Kaegi C, Akdis M, Bavbek S, Bossios A, Chatzipetrou A, Eiwegger T, Firinu D, Harr T, Knol E, Matucci A, Palomares O, Schmidt-Weber C, Simon HU, Steiner UC, Vultaggio A, Akdis CA, Spertini F. EAACI IG Biologicals task force paper on the use of biologic agents in allergic disorders. *Allergy.* 2015 Jul;70(7):727-54. IPF: 5.995.

Brick T, Schober Y, Böcking C, Pekkanen J, Genuneit J, Loss G, Dalphin JC, Riedler J, Lauener R, Nockher W, Renz H, Vaarala O, Braun-Fahrlander C, von Mutius E, Ege MJ, Pfefferle PI. ω -3 fatty acids contribute to the asthma-protective effect of unprocessed cow's milk. PASTURE study group. *J Allergy Clin Immunol.* 2016 Jan 11.

Cabanillas B, Cuadrado C, Rodriguez J, Hart J, Burbano C, Crespo JF, Novak

N. Potential changes in the allergenicity of three forms of peanut after thermal processing. *Food Chem.* 2015 Sep 15;183:18-25.

Cabanillas B, Novak N. Allergic Reactions to Pine Nut: A Review. *J Investig Allergol Clin Immunol.* 2015;25(5):329-33.

Frei R, Akdis M, O'Mahony L. Prebiotics, probiotics, synbiotics and the immune system; experimental data and clinical evidence. *Curr Opin Gastroenterol.* 2015 Mar;31(2):153-8. IPF 4.1

Garzorz N, Alisi A, Todorova A, Atenhan J, Lauffer TF, Ring J, Schmidt-Weber C, Biedermann T, Eyerich

Ausgewählte Publikationen

2015

S, Eyerich K. Dissecting susceptibility from exogenous triggers: the model of alopecia areata and associated inflammatory skin diseases. *Journal of the European Academy of Dermatology and Venereology*, 2015 Dec;29(12):2429-35. doi: 10.1111/jdv.13325. Epub 2015

Sep 28. PMID: 26416203.

Gilles S, Beck I, Lange S, Ring J, Behrendt H, Traidl-Hoffmann C. Non-allergenic factors from pollen modulate T helper cell instructing notch ligands on dendritic cells. *World Allergy Organ J*. 2015 Jan 20;8(1):2. doi: 10.1186/s40413-014-0054-8. eCollection 2015. PMID: 25610519.

Glatz M, Bosshard PP, Hoetzenecker W, Schmid-Grendelmeier P. The Role of *Malassezia* spp. in Atopic Dermatitis. *J Clin Med*. 2015 May 29;4(6):1217-28.

Hoetzenecker W, Nägeli M, Mehra ET, Jensen AN, Saulite I, Schmid-Grendelmeier P, Guenova E, Cozzio A, French LE. Adverse cutaneous drug eruptions: current understanding. *Semin Immunopathol*. 2016 Jan;38(1):75-86.

Kubo T, Wawrzyniak P, Morita H, Sugita K, Wanke K, Kast JI, Altunbulakli C, Rückert B, Jakiela B, Sanak M, Akdis M, Akdis CA. CpG-DNA enhances the tight junction integrity of the bronchial epithelial cell barrier. *J Allergy Clin Immunol*. 2015 Jun 19. pii: S0091-6749(15)00698-3. IPF: 11.248.

Lauener R, Eigenmann P, Roduit C. Ernährung im Kindesalter-Allergieprävention. *Schweizer Zeitschrift für Ernährungsmedizin*. 4/2015.

Loss GJ, Depner M, Ulfman LH, van Neerven RJ, Hose AJ, Genuneit J, Karvonen AM, Hyvärinen A, Kaulek V, Roduit C, Weber J, Lauener R, Pfefferle PI, Pekkanen J, Vaarala O, Dalphin JC, Riedler J, Braun-Fahrländer C, von Mutius E, Ege MJ. Consumption of unprocessed cow's milk protects infants from common respiratory infections. PASTURE study group. *J Allergy Clin Immunol*. 2015 Jan;135(1):56-62.

Loss GJ, Depner M, Hose AJ, Genuneit J, Karvonen AM, Hyvärinen A, Roduit C, Kabesch M, Lauener R, Pfefferle PI, Pekkanen J, Dalphin JC, Riedler J, Braun-Fahrländer C, von Mutius E, Ege MJ. The Early Development of Wheeze: Environmental Determinants and Genetic Susceptibility at 17q21. PASTURE study group. *Am J Respir Crit Care Med*. 2015 Nov 17.

Morita H, Arae K, Unno H, Miyauchi K, Toyama S, Nambu A, Oboki K, Ohno T, Motomura K, Matsuda A, Yamaguchi S, Narushima S, Kajiwara N, Iikura M, Suto H, McKenzie AN, Takahashi T, Karasuyama H, Okumura K, Azuma M, Moro K, Akdis CA, Galli SJ, Koyasu S, Kubo M, Sudo K, Saito H, Matsumoto K, Nakae S. An Interleukin-33-Mast Cell-Interleukin-2 Axis Suppresses Papain-Induced Allergic Inflammation by Promoting Regulatory T Cell Numbers. *Immunity*. 2015 Jul 21;43(1):175-86. IPF: 21.561.

Obersteiner A, Gilles S, Frank U, Beck I, Häring F, Ernst D, Rothballer M, Hartmann A, Traidl-Hoffmann C, Schmid M. "Relationship between pollution, pollen-associated microbiome and the allergenicity of pollen." *PLoS One* 2016.

Oeder S, Kanashova T, Sippula O, Sapcariu SC, Streibel T, Arteaga-Salas JM, Passig J, Dilger M, Paur HR, Schlager C, Mülhopt S, Diabaté S, Weiss C, Stengel B, Rabe R, Harndorf H, Torvela T, Jokiniemi JK, Hirvonen MR, Schmidt-Weber C, Traidl-Hoffmann C, BéruBé KA, Włodarczyk AJ, Prytherch Z, Michalke B, Krebs T, Prévôt AS, Kelbg M, Tiggesbäumker J, Karg E, Jakobi G, Scholtes S, Schnelle-Kreis J, Lintelmann J, Matuschek G, Sklorz M, Klingbeil S, Orasche J, Richthammer P, Müller L, Elsasser M, Reda A, Gröger T, Weggler B, Schwemer T, Czech H, Rüger CP, Abbaszade G, Radischat C, Hiller K, Buters JT, Dittmar G, Zimmermann R. Particulate matter from both heavy fuel oil and diesel fuel shipping emissions show strong biological effects on human lung cells at realistic and comparable in vitro exposure conditions. *PLoS One*. 2015 Jun 3; 10(6):e0126536. doi: 10.1371/journal.pone.0126536. eCollection 2015. PMID: 26039251.

Ausgewählte Publikationen

2015

Oeder S, Alessandrini F, Wirz OF, Braun A, Wimmer M, Frank U, Hauser M, Durner J, Ferreira F, Ernst D, Mempel M, Gilles S, Buters JT, Behrendt H, Traidl-Hoffmann C, Schmidt-Weber C, Akdis M, Gutermuth J. "Pollen-derived nonallergenic substances enhance Th2-induced IgE production in B cells". *Allergy*. 2015 Nov;70(11):1450-60. doi: 10.1111/all.12707. Epub 2015 Aug 28. PMID: 26214762.

Orivuori L, Mustonen K, de Goffau MC, Hakala S, Paasela M, Roduit C, Dalphin JC, Genuneit J, Lauener R, Riedler J, Weber J, von Mutius E, Pekkanen J, Harmsen HJ, Vaarala O. High level of fecal calprotectin at age 2 months as a marker of intestinal inflammation predicts atopic dermatitis and asthma by age 6. PASTURE study group. *Clin Exp Allergy*. 2015 May;45(5):928-39.

Schaarschmidt H, Ellinghaus D, Rodríguez E, Kretschmer A, Baurecht H, Lipinski S, Meyer-Hoffert U, Harder J, Lieb W, Novak N, Fölster-Holst R, Esparza-Gordillo J, Marenholz I, Ruschendorf F, Hubner N, Reischl E, Waldenberger M, Gieger C, Illig T, Kabesch M, Zhang XJ, Xiao FL, Lee YA, Franke A, Weidinger S. A genome-wide association study reveals 2 new susceptibility loci for atopic dermatitis. *J Allergy Clin Immunol*. 2015 Sep;136(3):802-6.

Seite S, Bieber T. Barrier function and microbiotic dysbiosis in atopic dermatitis. *Clin Cosmet Investig Dermatol* 2015;8:479-483.

Staudacher A, Hinz T, Novak N, von Bubnoff D, Bieber T. Exaggerated IDO1 expression and activity in Langerhans cells from patients with atopic dermatitis upon viral stimulation: a potential predictive biomarker for high risk of Eczema herpeticum. *Allergy* 2015.

Stanic B, van de Veen W, Wirz OF, Rückert B, Morita H, Söllner S, Akdis CA, Akdis M. IL-10-overexpressing B cells regulate innate and adaptive immune responses. *J Allergy Clin Immunol*. 2015 Mar;135(3):771-80. IPF: 11.248.

Soyka MB, Holzmann D, Basinski TM, Wawrzyniak M, Bannert C, Bürgler S, Akkoc, T, Treis A, Rückert B, Akdis M, Akdis CA, Eiwegger T. The Induction of IL-33 in the Sinus Epithelium and Its Influence on T-Helper Cell Responses. *PLoS One*. 2015 May 1;10(5):e0123163. IPF 4.5.

Wegrzyn AS, Jakiela B, Rückert B, Jutel M, Akdis M, Sanak M, Akdis CA. T- cell regulation during viral and nonviral asthma exacerbations. *J Allergy Clin Immunol*. 2015 Jul;136(1):194-197.e9. IPF: 11.248.

Wimmer M, Alessandrini F, Gilles S, Frank U, Oeder S, Hauser M, Ring J, Ferreira F, Ernst D, Winkler JB, Schmitt-Kopplin P, Ohnmacht C, Behrendt H, Schmidt-Weber C, Traidl-Hoffmann C, Gutermuth J. "Pollen-derived adenosine is a necessary cofactor for ragweed allergy." *Allergy*. 2015 Aug;70(8):944-54. doi: 10.1111/all.12642. Epub 2015 May 28. PMID: 25939785.

Zink A, Traidl-Hoffmann C. Green tea in dermatology – myths and facts. *J Dtsch Dermatol Ges*. 2015 Aug;13(8):768-75. doi: 10.1111/ddg.12737. Epub 2015 Jul 14. PMID: 26177066.