

Veröffentlichungen

des Helmholtz-Zentrums für Umweltforschung GmbH – UFZ

Forschungsbereich Gesundheit

Forschen für die Umwelt

Vorbemerkung

Das vorliegende Veröffentlichungsverzeichnis umfasst die im Jahre 2017 erschienenen Publikationen des Forschungsbereichs Gesundheit, die von Mitarbeitern der Helmholtz-Zentrum für Umweltforschung GmbH - UFZ verfasst, mitverfasst oder herausgegeben wurden.

Redaktionsschluss für diese Publikationsliste war der 9. Februar 2018.

Im Unterschied zu externen Autoren sind UFZ Angehörige bei allen Publikationen durch **fette Schrift** hervorgehoben.

Das anschließende alphabetische Register verzeichnet alle UFZ Autoren mit den jeweiligen laufenden Nummern ihrer Publikationen.

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Artikel in ISI und SCOPUS gelisteten Zeitschriften

1. Al Arab, M., **Bernt, M.**, Höner zu Siederdisen, C., Tout, K., Stadler, P.F. (2017): Partially local three-way alignments and the sequence signatures of mitochondrial genome rearrangements
Algorithms Mol. Biol. **12** , art. 22
2. Anto, J.M., Bousquet, J., Akdis, M., Auffray, C., Keil, T., Momas, I., Postma, D.S., Valenta, R., Wickman, M., Cambon-Thomsen, A., Haahtela, T., Lambrecht, B.N., Lodrup Carlsen, K.C., Koppelman, G.H., Sunyer, J., Zuberbier, T., Annesi-Maesano, I., Arno, A., Bindslev-Jensen, C., De Carlo, G., Forastiere, F., Heinrich, J., Kowalski, M.L., Maier, D., Melén, E., Smit, H.A., Standl, M., Wright, J., Asarnoj, A., Benet, M., Ballardini, N., Garcia-Aymerich, J., Gehring, U., Guerra, S., Hohmann, C., Kull, I., Lupinek, C., Pinart, M., Skrindo, I., Westman, M., Smagghe, D., Akdis, C., Andersson, N., Bachert, C., Ballereau, S., Ballester, F., Basagana, X., Bedbrook, A., Bergstrom, A., von Berg, A., Brunekreef, B., Burte, E., Carlsen, K.-H., Chatzi, L., Coquet, J.M., Curin, M., Demoly, P., Eller, E., Fantini, M.P., von Hertzen, L., Hovland, V., Jacquemin, B., Just, J., Keller, T., Kiss, R., Kogevinas, M., Koletzko, S., Lau, S., **Lehmann, I.**, Lemonnier, N., Mäkelä, M., Mestres, J., Mowinckel, P., Nadif, R., Nawijn, M.C., Pellet, J., Pin, I., Porta, D., Rancière, F., Rial-Sebbag, E., Saeys, Y., Schuijs, M.J., Siroux, V., Tischer, C.G., Torrent, M., Varraso, R., Wenzel, K., Xu, C.-J. (2017): Mechanisms of the Development of Allergy (MeDALL): Introducing novel concepts in allergy phenotypes
J. Allergy Clin. Immunol. **139** (2), 388 - 399
3. **Bauer, M., Fink, B.**, Seyfarth, H.-J., Wirtz, H., Frille, A. (2017): Tobacco-smoking induced GPR15-expressing T cells in blood do not indicate pulmonary damage
BMC Pulm. Med. **17** , art. 159
4. Chupani, L., Zusková, É., Niksirat, H., Panáček, A., **Lünsmann, V., Haange, S.-B., von Bergen, M., Jehmlich, N.** (2017): Effects of chronic dietary exposure of zinc oxide nanoparticles on the serum protein profile of juvenile common carp (*Cyprinus carpio* L.)
Sci. Total Environ. **579** , 1504 - 1511
5. Dewi, D.L., Mohapatra, S.R., Cabañes, S.B., Adam, I., Patterson, L.F.S., Berdel, B., Kahloon, M., **Thürmann, L., Loth, S.**, Heilmann, K., Weichenhan, D., Mücke, O., Heiland, I., Wimberger, P., Kuhlmann, J.D., Kellner, K.-H., Schott, S., Plass, C., Platten, M., Gerhäuser, C., **Trump, S.**, Opitz, C.A. (2017): Suppression of indoleamine-2,3-dioxygenase 1 expression by promoter hypermethylation in ER-positive breast cancer
Oncoimmunology **6** (2), e1274477

6. Dewi, D.L., Mohapatra, S., Wimberger, P., Kuhlmann, J.D., Schott, S., Kellner, K.-H., Gerhauser, C., **Trump, S.**, Opitz, C.A. (2017):
Epigenetic regulation of indoleamine-2,3-dioxygenase 1 expression in human breast cancer
Breast **32** (Suppl. 1), S31 - S32
7. **Englich, B., Herberth, G., Rolle-Kampczyk, U., Trump, S., Röder, S., Borte, M., Stangl, G.I., von Bergen, M., Lehmann, I., Junge, K.M.** (2017):
Maternal cytokine status may prime the metabolic profile and increase risk of obesity in children
Int. J. Obes. **41** (9), 1440 - 1446
8. Flexeder, C., Thiering, E., Koletzko, S., Berdel, D., **Lehmann, I.**, von Berg, A., Hoffmann, B., Bauer, C.-P., Heinrich, J., Schulz, H. (2017):
Higher serum 25(OH)D concentrations are associated with improved FEV₁ and FVC in adolescence
Eur. Resp. J. **49** , art. 1601804
9. Friedman, R.C., **Kalkhof, S.**, Doppelt-Azeroual, O., **Mueller, S.A., Chovancová, M., von Bergen, M.**, Schwikowski, B. (2017):
Common and phylogenetically widespread coding for peptides by bacterial small RNAs
BMC Genomics **18** , art. 553
10. Harris, C., Demmelmair, H., von Berg, A., **Lehmann, I.**, Flexeder, C., Koletzko, B., Heinrich, J., Standl, M. (2017):
Associations between fatty acids and low-grade inflammation in children from the LISApplus birth cohort study
Eur. J. Clin. Nutr. **71** (11), 1303 - 1311
11. **Herberth, G., Pierzchalski, A., Feltens, R., Bauer, M., Röder, S., Olek, S., Hinz, D.** , Borte, M., **von Bergen, M., Lehmann, I.** (2017):
Prenatal phthalate exposure associates with low regulatory T-cell numbers and atopic dermatitis in early childhood: Results from the LINA mother-child study. Letter to the editor
J. Allergy Clin. Immunol. **139** (4), 1376 - 1379.e8
12. Italia, S., Wolfenstetter, S.B., Heinrich, J., Berdel, D., von Berg, A., **Lehmann, I.**, Standl, M., Teuner, C.M. (2017):
Over-the-counter drugs used by adolescents in Germany: How much do adolescents spend and what for?
Eur. J. Public Health **27** (Suppl. 3), 503

13. **Jahreis, S., Kuhn, S., Madaj, A.-M., Bauer, M., Polte, T.** (2017):
Mold metabolites drive rheumatoid arthritis in mice via promotion of IFN-gamma- and IL-17-producing T cells
Food Chem. Toxicol. **109, Part 1** , 405 - 413
14. **Jouy, F., Lohmann, N., Wandel, E., Ruiz-Gómez, G., Pisabarro, M.T., Beck-Sickinger, A.G., Schnabelrauch, M., Möller, S., Simon, J.C., Kalkhof, S., von Bergen, M., Franz, S.** (2017):
Sulfated hyaluronan attenuates inflammatory signaling pathways in macrophages involving induction of antioxidants
Proteomics **17** (10), art. 1700082
15. Karlas, T., Weise, L., **Kuhn, S.**, Krenzien, F., Mehdorn, M., Petroff, D., Linder, N., Schaudinn, A., Busse, H., Keim, V., Pratschke, J., Wiegand, J., Splith, K., Schmelzle, M. (2017):
Correlation of cell-free DNA plasma concentration with severity of non-alcoholic fatty liver disease
J. Transl. Med. **15** , art. 106
16. Keller, T., Standl, M., Wijga, A., Gehring, U., Melén, E., Almqvist, C., Lau, S., Eller, E., Wahn, U., Soegaard Christiansen, E., von Berg, A., Heinrich, J., **Lehmann, I.**, Maier, D., Antó, J.M., Bousquet, J., Keil, T., Roll, S. (2017):
Sex-shift of respiratory multimorbidity prevalence during adolescence - pooled analyses of longitudinal european birth cohort data from medall
Allergy **72** (S103), 72 - 73
17. **Lehmann, I.** (2017):
Umweltschadstoffe als Adjuvanzien und Co-Faktoren einer immunologischen Erkrankung. Environmental pollutants as adjuvant factors of immune system derived diseases
Bundesgesundheitsblatt-Gesund. **60** (6), 592 - 596
18. Markevych, I., Baumbach, C., Standl, M., Koletzko, S., **Lehmann, I.**, Bauer, C.-P., Hoffmann, B., von Berg, A., Berdel, D., Heinrich, J. (2017):
Early life travelling does not increase risk of atopic outcomes until 15 years: results from GINIplus and LISApplus
Clin. Exp. Allergy **47** (3), 395 - 400
19. Markevych, I., Maier, W., Fuertes, E., **Lehmann, I.**, von Berg, A., Bauer, C.-P., Koletzko, S., Berdel, D., Sugiri, D., Standl, M., Heinrich, J. (2017):
Neighbourhood greenness and income of occupants in four German areas: GINIplus and LISApplus
Urban For. Urban Green. **21** , 88 - 95

20. Markevych, I., Standl, M., **Lehmann, I.**, von Berg, A., Heinrich, J. (2017):
Food diversity during the first year of life and allergic diseases until 15 years
J. Allergy Clin. Immunol. **140** (6), 1751 - 1754
21. Markevych, I., Standl, M., **Lehmann, I.**, von Berg, A., Heinrich, J. (2017):
Food diversity during first year of life and allergic diseases until 15 years: results from
LISApplus birth cohort
Allergy **72** (S103), 63 - 63
22. Potratz, S., Tarnow, P., Jungnickel, H., **Baumann, S., von Bergen, M.**, Tralau, T., Luch,
A. (2017):
Combination of metabolomics with cellular assays reveals new biomarkers and
mechanistic insights on xenoestrogenic exposures in MCF-7 cells
Chem. Res. Toxicol. **30** (4), 883 - 892
23. Raulien, N., Friedrich, K., Strobel, S., Rubner, S., **Baumann, S., von Bergen, M.**,
Körner, A., Krueger, M., Rossol, M., Wagner, U. (2017):
Fatty acid oxidation compensates for lipopolysaccharide-induced Warburg effect in
glucose-deprived monocytes
Front. Immunol. **8** , art. 609
24. **Schubert, K.**, Olde Damink, S.W.M., **von Bergen, M.**, Schaap, F.G. (2017):
Interactions between bile salts, gut microbiota, and hepatic innate immunity
Immunol. Rev. **279** (1), 23 - 35
25. Standl, M., Tesch, F., Baurecht, H., Rodríguez, E., Müller-Nurasyid, M.,
Gieger, C., Peters, A., Wang-Sattler, R., Prehn, C., Adamski, J., Kronenberg,
F., Schulz, H., Koletzko, S., Schikowski, T., von Berg, A., **Lehmann, I.**, Berdel, D.,
Heinrich, J., Schmitt, J., Weidinger, S. (2017):
Association of atopic dermatitis with cardiovascular risk factors and diseases
J. Invest. Dermatol. **137** (5), 1074 - 1081
26. Standl, M., Tesch, F., Baurecht, H., Rodríguez, E., Müller-Nurasyid, M.,
Gieger, C., Peters, A., Wang-Sattler, R., Prehn, C., Adamski, J., Kronenberg,
F., Schulz, H., Koletzko, S., Schikowski, T., von Berg, A., **Lehmann, I.**, Berdel, D.,
Heinrich, J., Schmitt, J., Weidinger, S. (2017):
Association of atopic dermatitis with cardiovascular risk factors and diseases
Allergy **72** (S103), 53 - 53
27. Tautenhahn, H.-M., Brückner, S., Uder, C., Erler, S., Hempel, M., **von Bergen, M.**,
Brach, J., Winkler, S., Pankow, F., Gittel, C., Baunack, M., Lange, U., Broschewitz, J.,
Dollinger, M., Bartels, M., Pietsch, U., Amann, K., Christ, B. (2017):
Mesenchymal stem cells correct haemodynamic dysfunction associated with liver injury
after extended resection in a pig model
Sci. Rep. **7** , art. 2617

28. Teumer, A., Qi, Q., Nethander, M., Aschard, H., Bandinelli, S., Beekman, M., Berndt, S.I., Bidlingmaier, M., Broer, L., Cappola, A., Ceda, G.P., Chanock, S., Chen, M.-H., Chen, T.C., Chen, Y.-D.I., Chung, J., Del Greco Miglianico, F., Eriksson, J., Ferrucci, L., Friedrich, N., Gnewuch, C., Goodarzi, M.O., Grarup, N., Guo, T., Hammer, E., Hayes, R.B., Hicks, A.A., Hofman, A., Houwing-Duistermaat, J.J., Hu, F., Hunter, D.J., Husemoen, L.L., Isaacs, A., Jacobs, K.B., Janssen, J.A.M.J.L., Jansson, J.-O., **Jehmlich, N.**, Johnson, S., Juul, A., Karlsson, M., Kilpelainen, T.O., Kovacs, P., Kraft, P., Li, C., Linneberg, A., Liu, Y., Loos, R.J.F., Lorentzon, M., Lu, Y., Maggio, M., Magi, R., Meigs, J., Mellström, D., Nauck, M., Newman, A.B., Pollak, M.N., Pramstaller, P.P., Prokopenko, I., Psaty, B.M., Reincke, M., Rimm, R.B., Rotter, J.I., Saint Pierre, A., Schurmann, C., Seshadri, S., Sjögren, K., Slagboom, P.E., Strickler, H.D., Stumvoll, M., Suh, Y., Sun, Q., Zhang, C., Svensson, J., Tanaka, T., Tare, A., Tönjes, A., Uh, H.-W., van Duijn, C., van Heemst, D., Vandenput, L., Vasan, R.S., Völker, U., Willems, S.M., Ohlsson, C., Wallaschofski, H., Kaplan, R.C. (2017):
Erratum: Genomewide meta-analysis identifies loci associated with IGF-I and IGFBP-3 levels with impact on age-related traits (vol 15, pg 811, 2016)
Aging Cell **16** (4), 898
29. **Trump, S., Klos, M.**, Gu, L., Bauer, T., Ishaque, N., **Thurmann, L.**, Bieg, M., **Bauer, M.**, Gu, Z., Borte, M., Mallm, J.-P., **Roder, S.**, Herrmann, C., Rippe, K., **Lehmann, I.**, Eils, R. (2017):
Asthma development in early childhood is associated with enhancer reprogramming
Am. J. Respir. Crit. Care Med. **195** , A4910
30. Wewering, F., **Jouy, F.**, Caliskan, S., **Kalkhof, S., von Bergen, M.**, Luch, A., Zellmer, S. (2017):
Hepatic co-cultures *in vitro* reveal suitable to detect Nrf2-mediated oxidative stress responses on the bladder carcinogen *o*-anisidine
Toxicol. Vitro **40** , 153 - 160
31. Wewering, F., **Jouy, F., Wissenbach, D.K., Gebauer, S.**, Blüher, M., Gebhardt, R., Pirow, R., **von Bergen, M., Kalkhof, S.**, Luch, A., Zellmer, K. (2017):
Characterization of chemical-induced sterile inflammation *in vitro*: application of the model compound ketoconazole in a human hepatic co-culture system
Arch. Toxicol. **91** (2), 799 - 810
32. Winkler, S., **Kalkhof, S.**, Brückner, S., Hempel, M., **Baumann, S., von Bergen, M.**, Christ, B. (2017):
Metabolic fingerprint of an immunodeficient NASH mouse model and impact after stem cell therapy
J. Hepatol. **66** (1 (Suppl.)), S606 - S607

33. Zimmermann, A., Knecht, H., Hasler, R., Zissel, G., Gaede, K.I., **Hofmann, S.**, Nebel, A., Muller-Quernheim, J., Schreiber, S., Fischer, A. (2017):
Atopobium and *Fusobacterium* as novel candidates for sarcoidosis-associated microbiota
Eur. Resp. J. **50** (6), art. 1600746

Artikel in anderen Zeitschriften

34. **Bauer, M.** (2017):
Cell type-specific methylation pattern: a chance to minimize cohorts for
epigenome-wide studies. 2nd International Congress on Epigenetics & Chromatin.
November 06-08, 2017, Frankfurt, Germany. Keynote
J. Clin. Epigenetics **3** (4), 54 - 55

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