


Weigand, L.U. et al.: Isolation of human MHC class II-restricted T cell receptors from the autologous T-cell repertoire with potent anti-leukaemic reactivity. *Immunology* 137, 226-238 (2012)
Bonilla, W.V. et al.: The alarmin interleukin-33 drives protective antiviral CD8$^+$ T cell responses. 


Chursov, A. et al.: Specific temperature-induced perturbations of secondary mRNA structures are associated with the cold-adapted temperature-sensitive phenotype of influenza A virus. RNA Biol. 9, 1266-1274 (2012)


Publication List 2012

Institute of Biomathematics and Biometry


Hochstatter, J. et al.: Myb-binding protein 1a (Mybbp1a) regulates levels and processing of pre-ribosomal RNA. *J. Biol. Chem.* **287**, 24365-24377 (2012)


Schneider, F. et al.: The FLT3ITD mRNA level has a high prognostic impact in NPM1 mutated, but not in NPM1 unmutated, AML with a normal karyotype. Blood 119, 4383-4386 (2012)


Windhager, L. et al.: Ultrashort and progressive 4sU-tagging reveals key characteristics of RNA processing at nucleotide resolution. Genome Res. 22, 2031-2042 (2012)

Aslam, M.*, Ahmad, N., Srivastava, R.* & Hemmer, B.*: TNF-alpha induced NFkB signaling and p65 (RelA) overexpression repress Cldn5 promoter in mouse brain endothelial cells. Cytokine 57, 269-275 (2012)


Di Giovannantonio, L.G. et al.: Otx2 selectively controls the neurogenesis of specific neuronal subtypes of the ventral tegmental area and compensates En1-dependent neuronal loss and MPTP vulnerability. Dev. Biol. 373, 176-183 (2012)


Waltereit, R. et al.: SrGAP3⁄ mice present a neurodevelopmental disorder with schizophrenia-related intermediate phenotypes. *Faseb J.* 26, 4418-4428 (2012)


Machann, J. et al.: Fraction of unsaturated fatty acids in Visceral Adipose Tissue (VAT) is lower in subjects with high total VAT volume - a combined 1H MRS and volumetric MRI study in male subjects. *NMR Biomed.* 26, 232-236 (2013) [published online 2012]


Rittig, K. et al.: The secretion pattern of perivascular fat cells is different from that of subcutaneous and visceral fat cells. *Diabetologia* 55, 1514-1525 (2012)


Eeftens, M. et al.: Development of land use regression models for PM$_{2.5}$, PM$_{2.5}$ absorbance, PM$_{10}$ and PM$_{coarse}$ in 20 European study areas: Results of the ESCAPE project. *Environ. Sci. Technol.* **46**, 11195-11205 (2012)


Institute of Epidemiology I


Cyrys, J. et al.: Variation of NO2 and NO, concentrations between and within 36 European study areas: Results from the ESCAPE study. *Atmos. Environ.* **62**, 374-390 (2012)


Eeftens, M. et al.: Spatial variation of PM2.5, PM10, PM2.5 absorbance and PMcoarse concentrations between and within 20 European study areas and the relationship with NO2 - results of the ESCAPE project. *Atmos. Environ.* **62**, 303-317 (2012)


Hampel, R. et al.: Acute air pollution effects on heart rate variability are modified by SNPs involved in cardiac rhythm in individuals with diabetes or impaired glucose tolerance. *Environ. Res.* **112**, 177-185 (2012)


Ayadi, A. et al.: Mouse large-scale phenotyping initiatives: Overview of the European Mouse Disease Clinic (EUMODIC) and of the Wellcome Trust Sanger Institute mouse genetics project. *Mamm. Genome* **23**, 600-610 (2012)


Kumar, S. et al.: Gsdma<sup>3<sub>I359N</sub></sup> is a novel ENU-induced mutant mouse line for studying the function of Gasdermin A3 in the hair follicle and epidermis. *J. Dermatol. Sci.* **67**, 190-192 (2012)


## Publication List 2012

**Publication Date:** 31.12.2012

**Institute of Human Genetics**

<table>
<thead>
<tr>
<th>Authors</th>
<th>Title</th>
<th>Journal</th>
</tr>
</thead>
</table>


Tschöp-Lechner, K. et al.: Modified vaccinia virus Ankara delivers a robust surrogate marker for immune monitoring to sarcoma cells even if cells are being exposed to chemotherapy and heat treatment. *Int. J. Hyperthermia* **28**, 33-42 (2012)


Chu, Y. et al.: A20 and CYLD do not share significant overlapping functions during B cell development and activation. *J. Immunol.* **189**, 4437-4443 (2012)


Schweneker, K. et al.: The mycobacterial cord factor adjuvant analogue trehalose-6,6'-dibehenate (TDB) activates the Nlrp3 inflammasome. *Immunobiology* **218**, 664-673 (2013) [published online 2012]


Bauer, K. et al.: High HSP27 and HSP70 expression levels are independent adverse prognostic factors in primary resected colon cancer. *Cell Oncol.* **35**, 197-205 (2012)


Icheva, V. et al.: Adoptive transfer of Epstein-Barr Virus (EBV) nuclear antigen 1-specific T cells as treatment for EBV reactivation and lymphoproliferative disorders after allogeneic stem-cell transplantation. *J. Clin. Oncol.* 31, 5-7 (2013) [published online 2012]


Li, Z. et al.: FLT-PET is superior to FDG-PET for very early response prediction in NPM-ALK-positive lymphoma treated with targeted therapy. *Cancer Res.* 72, 5014-5024 (2012)


Ludyga, N. et al.: Nucleic acids from long-term preserved FFPE tissues are suitable for downstream analyses. *Virchows Arch.* 460, 131-140 (2012)


Pandelova, M., Levy Lopez, W., Michalke, B. & Schramm, K.-W.: Ca, Cd, Cu, Fe, Hg, Mn, Ni, Pb, Se, and Zn contents in baby foods from the EU market: Comparison of assessed infant intakes with the present safety limits for minerals and trace elements. *J. Food Compos. Anal.* 27, 120-127 (2012)


Diederich, J., Brielmeier, M., Schwerdtle, T.* & Michalke, B.: Manganese and iron species in Sprague-Dawley rats exposed with MnCl$_2$·4H$_2$O (i.v.). *Microchem. J.* **105**, 115-123 (2012)


Pérez-de-Mora, A. et al.: Activity of native hydrolytic enzymes and their association with the cell wall of three ectomycorrhizal fungi. Mycorrhiza 23, 185-197 (2013) [published online 2012]


Giussani, A. & Risica, S.*: Validation of the ICRP model for caesium intake by lactating mothers with Italian data after the Chernobyl fallout. Environ. Int. 39, 122-127 (2012)


Degroote, R.L. et al.: Altered expression of talin 1 in peripheral immune cells points to a significant role of the innate immune system in spontaneous autoimmune uveitis. *J. Proteomics* 75, 4536-4544 (2012)


Han, Y. et al.: Proteomic investigation of the interactome of FMNL1 in hematopoietic cells unveils a role in calcium-dependent membrane plasticity. *J. Proteomics* 78, 72-82 (2013) [published online 2012]


Antigen-specific active immunotherapy aims to induce anti-tumour immune responses through administration of a tumour antigen - a molecule that is expressed by tumour cells and is hardly expressed by healthy cells. Reviewers collected information on clinical outcomes, immunological responses, and side effects. Furthermore, results from ongoing randomised controlled trials (RCTs) are awaited, and further RCTs should be conducted. Authors’ conclusions: We conclude that despite promising immunological responses, no clinically effective antigen-specific active immunotherapy is yet available for ovarian cancer. Results should be interpreted cautiously, as review authors found a significant dearth of relevant information for assessment of risk of bias in both RCTs and NRSs.
