

2009

Selected Publications from 2009

- Bauer R, Voelzmann A, Breiden B, Schepers U, Farwanah H, Hahn I, Eckardt F, **Sandhoff K** and **Hoch M**. (2009). Schlank, a member of the ceramide synthase family controls growth and body fat in Drosophila. *The EMBO journal*, 28(23), 3706-3716.
- Beyer M** and **Schultze JL**. (2009). Regulatory T cells: major players in the tumor microenvironment. *Current pharmaceutical design*, 15(16), 1879-1892.
- Beyer M**, Karbach J, Mallmann MR, Zander T, Eggle D, Classen S, Debey-Pascher S, **Famulok M**, Jager E and **Schultze JL**. (2009). Cancer vaccine enhanced, non-tumor-reactive CD8(+) T cells exhibit a distinct molecular program associated with "division arrest anergy". *Cancer research*, 69(10), 4346-4354.
- Buch S** and **Pankratz MJ**. (2009). Making metabolic decisions in Drosophila. *Fly*, 3(1), 74-77.
- Dobrowolski R, Hertig G, Lechner H, Worsdorfer P, Wulf V, Dicke N, Eckert D, Bauer R, Schorle H and **Willecke K**. (2009). Loss of connexin43-mediated gap junctional coupling in the mesenchyme of limb buds leads to altered expression of morphogens in mice. *Human molecular genetics*, 18(15), 2899-2911.
- Eggeling C, Ringemann C, Medda R, Schwarzmann G, **Sandhoff K**, Polyakova S, Belov VN, Hein B, von Middendorff C, Schonle A and Hell SW. (2009). Direct observation of the nanoscale dynamics of membrane lipids in a living cell. *Nature*, 457(7233), 1159-1162.
- Eggle D, Debey-Pascher S, **Beyer M** and **Schultze JL**. (2009). The development of a comparison approach for Illumina bead chips unravels unexpected challenges applying newest generation microarrays. *BMC bioinformatics*, 10, 186.
- Famulok M. (2009). Exploring chemical space with aptamers. *Journal of medicinal chemistry*, 52(22), 6951-6957.
- Imgrund S, Hartmann D, Farwanah H, Eckhardt M, Sandhoff R, Degen J, Gieselmann V, **Sandhoff K** and **Willecke K**. (2009). Adult ceramide synthase 2 (CERS2)-deficient mice exhibit myelin sheath defects, cerebellar degeneration, and hepatocarcinomas. *The Journal of biological chemistry*, 284(48), 33549-33560.
- Jones CA, Nishiya N, London NR, Zhu W, Sorensen LK, Chan AC, Lim CJ, Chen H, Zhang Q, Schultz PG, Hayallah AM, Thomas KR, **Famulok M**, Zhang K, Ginsberg MH and Li DY. (2009). Slit2-Robo4 signalling promotes vascular stability by blocking Arf6 activity. *Nature cell biology*, 11(11), 1325-1331.
- Klotz L, **Burgdorf S**, Dani I, Saijo K, Flossdorf J, Hucke S, Alferink J, Nowak N, **Beyer M**, **Mayer G**, Langhans B, Klockgether T, Waisman A, Eberl G, **Schultze J**, **Famulok M**, **Kolanus W**, Glass C, Kurts C and Knolle PA. (2009). The nuclear receptor PPAR gamma selectively inhibits Th17 differentiation in a T cell-intrinsic fashion and suppresses CNS autoimmunity. *The Journal of experimental medicine*, 206(10), 2079-2089.
- Klotz L, Hucke S, Thimm D, Classen S, Gaarz A, **Schultze J**, Edenhofer F, Kurts C, Klockgether T, Limmer A, Knolle P and **Burgdorf S**. (2009). Increased antigen cross-presentation but im-

- paired cross-priming after activation of peroxisome proliferator-activated receptor gamma is mediated by up-regulation of B7H1. *Journal of immunology*, 183(1), 129-136.
- Matzner U, Breiden B, Schwarzmann G, Yaghootfam A, Fluharty AL, Hasilik A, **Sandhoff K** and Gieselmann V. (2009). Saposin B-dependent reconstitution of arylsulfatase A activity in vitro and in cell culture models of metachromatic leukodystrophy. *The Journal of biological chemistry*, 284(14), 9372-9381.
- Mayer G** and **Famulok M**. (2009). In vitro selection of conformational probes for riboswitches. *Methods in molecular biology*, 540, 291-300.
- Mayer G**, Lohberger A, Butzen S, Pofahl M, Blind M and Heckel A. (2009). From selection to caged aptamers: identification of light-dependent ssDNA aptamers targeting cytohesin. *Bioorganic & medicinal chemistry letters*, 19(23), 6561-6564.
- Mayer G**. (2009). Tiny tags on RNA. *ChemBiochem : a European journal of chemical biology*, 10(13), 2145-2146.
- Quast T**, Tappertzhofen B, Schild C, Grell J, Czeloth N, Forster R, Alon R, Fraemohs L, Dreck K, Weber C, Lammermann T, Sixt M and **Kolanus W**. (2009). Cytohesin-1 controls the activation of RhoA and modulates integrin-dependent adhesion and migration of dendritic cells. *Blood*, 113(23), 5801-5810.
- Schricket JW, Kreuzberg MM, Ghanem A, Kim JS, Linhart M, Andrie R, Tiemann K, Nickenig G, Lewalter T and **Willecke K**. (2009). Normal impulse propagation in the atrioventricular conduction system of Cx30.2/Cx40 double deficient mice. *Journal of molecular and cellular cardiology*, 46(5), 644-652.
- Staratschek-Jox A**, Classen S, Gaarz A, Debey-Pascher S and **Schultze JL**. (2009). Blood-based transcriptomics: leukemias and beyond. *Expert review of molecular diagnostics*, 9(3), 271-280.
- von Maltzahn J, Kreuzberg MM, Matern G, Euwens C, Hoher T, Worsdorfer P and **Willecke K**. (2009). C-terminal tagging with eGFP yields new insights into expression of connexin45 but prevents rescue of embryonic lethal connexin45-deficient mice. *European journal of cell biology*, 88(9), 481-494.



Life & Medical Sciences Institute

Carl-Troll-Straße 31
53115 Bonn, Germany

Public Relations / Öffentlichkeitsarbeit
Email: communication@limes-bonn.de