

Publication list (since 2020)

G. Riedel, J. Klein, G. Niewiadomska, C. Kondak, K. Schwab, D. Lauer, M. Magbagbeolu, M. Steczkowska, M. Zadrozny, M. Wydrych, A. Cranston, V. Melis, R.X. Santos, F. Theuring, C.R. Harrington and C.M. Wischik (2020) Mechanisms of anticholinesterase interference with tau aggregation inhibitor activity in a tau-transgenic mouse model. *Curr. Alzheimer Res.* 17, 1-11.

S. Perniss, S. Liu, B. Boonen, M. Keshavarz, A.L. Ruppert, T. Timm, U. Pfeil, A. Soultanova, S. Kusumakshi, L. Delventhal, Ö. Aydin, M. Pyrski, K. Deckmann, T. Hain, N. Schmidt, C. Ewers, A. Günther, G. Lochnit, V. Chubarov, T. Gudermann, J. Oberwinkler, J. Klein, K. Mikoshiba, T. Leinders-Zufall, S. Offermans, B. Schütz, U. Boehm, F. Zufall, B. Bufe and W. Kummer (2020) Chemosensory cell-derived acetylcholine drives tracheal mucociliary clearance in response to virulence-associated formyl peptides. *Immunity* 52, 683-699.

K. Winek, S. Lobentanzer, B. Nadorp, S. Dubnov, C. Dames, G. Moshitzky, B. Hotter, C. Meisel, D.S. Greenberg, S. Shifman, J. Klein, S. Shenhar-Tsarfaty, A. Meisel and H. Soreq (2020) Transfer RNA fragments replace microRNAs regulators of the cholinergic post-stroke immune blockade. *Proc. Natl. Acad. Sci. USA* 117: 32606-32616. <https://doi.org/10.1073/pnas.2013542117>.

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C.M. Ertle, F.R. Rommel, S. Tumala, Y. Moriwaki, J. Klein, J. Kruse, U. Gieler and E.M. Peters (2020) New pathways for the skin's stress response: the cholinergic neuropeptide SLURP-1 can activate mast cells and alter cytokine production in mice. *Front. Immunol.* 12, 631881 (18 pages). <https://doi.org/10.3389/fimmu.2021.631881>.

S. Jung, N. Fuchs, P. Johe, A. Wagner, E. Diehl, T. Yuliani, C. Zimmer, F. Barthels, R.A. Zimmermann, P. Klein, W. Waigel, J. Meyr, T. Opatz, S. Tenzer, U. Distler, H.-J. Räder, C. Kersten, B. Engels, U.A. Hellmich, J. Klein and T. Schirmeister (2021) Fluorovinylsulfones and -sulfonates as potent covalent reversible inhibitors of the trypanosomal cysteine protease rhodesain: SAR, inhibition mechanism, metabolism and in vivo studies. *J. Med. Chem.* 64, 12322-12358. <https://doi.org/10.102/acs.jmedchem.1c01002>.

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