

Publications R. J. Wiesner

100. Weiland, D., Brachvogel, B., Hornig-Do, H.-T., Neuhaus, J.F.G., Holzer, T., Tobin, D.J., Niessen, C.M., **Wiesner, R.J.**[#] and Baris, O.R.: Imbalance of mitochondrial respiratory chain complexes in the epidermis induces severe skin inflammation. (in revision) [#]corresponding author

99. Franko, A., Kunze, A., Böse, M., von Kleist-Retzow, J.C., Paulsson, M., Hartmann, U. and Wiesner, R.J. (2017): Impaired insulin signaling is associated with hepatic mitochondrial dysfunction in IR^{+/-}-IRS-1^{+/-} double heterozygous (IR-IRS1dh) mice. Int J Mol Sci (in press)

98. Schommers, P., Thureau, A., Bultmann-Mellin, I., Guschlbauer, M., Klatt, A.R., Rozman, J., Klingenspor, M., Hrabě de Angelis, M., Alber, J., Gründemann, D., Sterner-Kock, A. and Wiesner, R.J. (2017): Metformin causes a futile intestinal-hepatic cycle which increases energy expenditure and slows down development of a type 2 diabetes-like state. Mol Metab (in press)

97. Neuhaus, J.F.G., O. R. Baris, A. Kittelmann, K. Becker, M.A. Rothschild and **R.J. Wiesner** (2017): Catecholamine metabolism induces mitochondrial DNA deletions in the adrenal medulla and leads to severe adrenal degeneration during aging. Neuroendocrinology 104: 72-84.

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de Angelis (2016): Bezafibrate improves insulin sensitivity and metabolic flexibility in STZ treated diabetic mice. Diabetes **65**: 2540-2552.

93. Kumar, V., J.-E. Bouameur, J. Bär, R.H. Rice, H.-T. Hornig-Do, D. Roop, N. Schwarz, S. Brodesser, S. Thiering, R.E. Leube, **R.J. Wiesner**, C.B. Brazel, S. Heller, H. Binder, H. Wirth, P. Seibel and T. Magin (2015): A keratin scaffold regulates epidermal barrier formation, mitochondrial lipid composition and activity. J Cell Biol **211**:1057-1075.

92. Huebbers, C.U., A.C. Adam, S.F. Preuss, T. Schiffer, S. Schilder, O. Guntinas-Lichius, M. Schmidt, J.P. Klussmann and **R.J. Wiesner** (2015): High glucose uptake unexpectedly correlates with high levels of the mitochondrial β -F1-ATPase subunit in head and neck squamous cell carcinoma. Oncotarget **6**, 36172-84.

91. Baris, O.R., S. Ederer, J.F.G. Neuhaus, J.-C. v. Kleist-Retzow, C.M. Wunderlich, M. Pal, F.T. Wunderlich, V. Peeva, G. Zsurka, W.S. Kunz, T. Hickethier, A.C. Bunck, F. Stöckigt, J.W. Schrickel and **R.J. Wiesner** (2015): Mosaic deficiency in mitochondrial oxidative metabolism promotes cardiac arrhythmia during aging. Cell Metabolism **21**, 667-77.

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crucial for hair follicle morphogenesis and epithelial-mesenchymal interactions. J Invest Dermatol **135**, 679-89. *equal contribution, #corresponding author

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83. Neuhaus, J.F.G.*, O. R. Baris*, S. Hess, N. Moser, H.J. Schröder, S. J. Chinta, J. K. Andersen, P. Kloppenburg and **R.J. Wiesner** (2014): Catecholamine Metabolism Drives the Generation of Mitochondrial DNA Deletions in Dopaminergic Neurons. Brain **137**:354-65
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