Prof. A. Odermatt – Original PUBLICATIONS (peer reviewed)

2019

1. Nguyen, M. H., Davis, M. R., Wittenberg, R., Mchardy, I., Baddley, J. W., Young, B. Y., **Odermatt, A.**, Thompson, G. R. (2019) Posaconazole serum drug levels associated with pseudohyperaldosteronism. Clin. Infect. Dis., in press.

2. Canonica, J., Frateschi, S., Boscardin, E., Ebering, A., Sergi, C., Jaeger, Y., Peyrollaz, T., Merillat, A-M., Maillard, M. P., Klusonova, P., **Odermatt, A.**, Koesters, R., Debonneville, A., Staub, O., Verouti, S., and Hummler, E. (2019) Lack of renal tubular glucocorticoid receptor decreases the thiazide-sensitive Na^+/Cl^- cotransporter NCC and transiently affects sodium handling. Front. Physiol., in press.

3. Tsachaki, M., Strauss, P., Dunkel, A., Navratilova, H., Mladenovic, N., and **Odermatt, A.** (2019) Impact of 17β-HSD12, the 3-ketoacyl-CoA reductase of long-chain fatty acid synthesis, on breast cancer cell proliferation and migration. Cell. Mol. Life Sci., in press.

4. Beck, K. R., Inderbinen, S. G., Kanagaratnam, S., Kratschmar, D. V., Jetten, A. M., Yamaguchi, H., and **Odermatt, A.** (2019) 11β-hydroxysteroid dehydrogenases control access of 7β,27-dihydroxycholesterol to retinoid-related orphan receptor gamma. J. Lipid Res., in press.

5. Thompson, G. R., Beck, K. R., Patt, M., Kratschmar, D. V., and **Odermatt, A.** (2019) Posaconazole-induced hypertension due to inhibition of 11β-hydroxylase and 11β-hydroxysteroid dehydrogenase 2. J. Endocr. Soc., 3, 1361-1366.

6. Trinh, B., Hepprich, M., Betz, M. J., Burkard, T., Cavelti-Weder, C. Seelig, E., Meinenberg, F., Kratschmar, D. V., Beuschlein, F., Reincke, M., **Odermatt, A.**, Hall, M. N., Donath, M. Y., Swierczynska, M. M. (2019) Treatment of primary aldosteronism with mTORC1 inhibitors. J. Clin. Endocr. Metab., in press.

7. Sandström, J., Kratschmar, D. V., Broyer, A., Poirot, O., Marbet, P., Chantong, B., Zufferey, F., Dos Santos, T., Boccard, J., Chrast, R., **Odermatt, A.**, and Monnet-Tschudi, F. (2019) In vitro models to study insulin and glucocorticoids modulation of Trimethyltin (TMT)-induced neuroinflammation and neurodegeneration, and in vivo validation in db/db mice. Arch. Toxicol., 49, 1649-1664.

8. Akram, M., Patt, M., Kaserer, T., Temml, V., Waratchareeyakul, W., Kratschmar, D. V., Haupenthal, J., Hartmann, R. W., **Odermatt, A.**, and Schuster, D. (2019) Identification of the fungicide epoxiconazole by virtual screening and biological assessment as inhibitor of human 11β-hydrolase and aldosterone synthase. J. Steroid. Biochem. Mol. Biol., in press.

9. Crane, E. A., Heydenreuter, W., Beck, K. R., Strajhar, P., Vomacka, J., Smiesko, M., Mons, E., Barth, L., Neuburger, M., Vedani, A., **Odermatt, A.**, Sieber, S. A., and Gademann, K. (2019) Profiling withanolide A for therapeutic targets in neurodegenerative diseases. Bioorg. Med. Chem., 27, 2508-2520.

10. Beck, K. R., Kanagaratnam, S., Kratschmar, D. V., Birk, J., Yamaguchi, H., Sailer, A. W., Seuwen, K., and **Odermatt, A.** (2019) Enzymatic interconversion of the oxysterols 7β,25-dihydroxycholesterol and 7-keto,25-hydroxycholesterol by 11β-hydroxysteroid dehydrogenase type 1 and 2. J. Steroid. Biochem. Mol. Biol., 190, 19-28.

11. Egli, J., Schlothauer, T., Spick, C., Seeber, S., Singer, T., **Odermatt, A.**, and Iglesias, A. (2019) The binding of human IgG to minipig FcγRs – implications for preclinical assessment of therapeutic antibodies. Pharm. Res., 36, 47.

12. Egli, J., Schmucki, R., Loos, B., Reichl, S., Grabole, N., Roller, A., Ebeling, M., **Odermatt, A**., and Iglesisas, A. (2019) The genomic organization and expression pattern of the low affinity Fc gamma Receptors (FcγR) in the Göttingen minipig. Immunogenetics, 71, 123-136.

13. Boccard, J., Tonoli, D., Strajhar, P., Jeanneret, F., **Odermatt, A.**, and Rudaz, S. (2019) Removal of batch effects using stratified subsampling of metabolomics data for in vitro endocrine disruptors screening. Talanta, 195, 77-86.

14. Strajhar, P., Vizeli, P., Patt, M., Dolder, P. C., Kratschmar, D. V., Liechti, M., E., and **Odermatt, A.** (2019) Effects of lisdexamfetamine on plasma steroid concentrations compared with D-amphetamine in healthy subjects: a randomized, double-blind, placebo-controlled study. J. Steroid. Biochem. Mol. Biol., 186, 212-225.

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15. Boudon, S., Heidl, M., Vuorinen, A., Wandeler, E., Campiche, R., **Odermatt, A.**, and Jackson, E. (2018) Design, synthesis, and biological evaluation of novel selective peptide inhibitors of 11β-hydroxysteroid dehydrogenase 1. Bioorg. Med. Chem., 26, 5128-5139.

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19. Dolder, P. C., Strajhar, P., Vizeli, P., **Odermatt, A.**, and Liechti, M. E. (2018) Acute effects of lisdexamfetamine and D-amphetamine on social cognition and cognitive performance in a placebo-controlled study in healthy subjects. Psychopharmacology, 235, 1389-1402.

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21. Tsachaki, M., Mladenovic, N., Stambergova, H., Birk, J., and **Odermatt, A.** (2018) Hexose-6-phosphate dehydrogenase controls cancer cell proliferation and migration through pleiotropic effects on the unfolded protein response, calcium homeostasis and redox balance. FASEB J., 32, 2690-2705.

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23. Engeli, R. T., Rohrer, S. R., Vuorinen, A., Herdlinger, S., Kaserer, T., Leugger, S., Schuster, D., and **Odermatt, A.** (2017) Interference of paraben compounds with estrogen metabolism by inhibition of 17β-hydroxysteroid dehydrogenases. Int J. Mol. Sci., 18. Pii: E2007.

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37. Boudon, S. M., Vuorinen, A., Geotti-Bianchini, P., Wandeler, E., Kratschmar, D. V., Heidl, M., Campiche, R., Jackson, E., and **Odermatt, A.** (2017) Novel 11β-Hydroxysteroid Dehydrogenase 1 Inhibitors Reduce Cortisol Levels in Keratinocytes and Improve Dermal Collagen Content in Human *ex vivo* Skin after Exposure to Cortisone and UV. PLoS One, 12, e0171079.

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Patent:

1. "Decaline-derived compounds as pharmaceutically active agents" Az. EP 04031076, by Marcus A. Koch, Michael Scheck, Herbert Waldmann (Max Planck Institute, Dortmund) and Alex Odermatt (University of Berne)(all are equal inventors)(2005).