

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

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2023

1. Jäger, M.-C., Joos, F. L., Winter, D. V., and **Odermatt, A.** (2023) Characterization of the interferences of systemic azole antifungal drugs with adrenal steroid biosynthesis using H295R cells and enzyme activity assays. Curr. Res. Toxicol., in press.
2. Jäger, M.-C., Kędzierski J., Gell, V., Wey, T., Kollár, J., Winter, D. V., Schuster, D., Smieško, M., and **Odermatt, A.** (2023) Virtual screening and biological evaluation to identify pharmaceuticals potentially causing hypertension and hypokalemia by inhibiting steroid 11 β -hydroxylase. Tox. Appl. Pharmacol., 475, 116638.
3. Kędzierski J., Allard, J. A., **Odermatt, A.**, and Smieško, M. (2023) Assessment of the inhibitory potential of anabolic steroids towards human AKR1D1 by computational methods and in vitro evaluation. Toxicol. Lett., 384, in press.
4. Szabo, L., Cummins, N., Gaganetti, P., **Odermatt, A.**, Papassotiropoulos, A., Karch, C., Gotz, J., Eckert, A., and Grimm, A. (2023) ER-mitochondria contacts and cholesterol transfer are disrupted by disease-associated tau protein. EMBO Rep., 24, e57499.
5. Thomson, T., Fragkas, N., Kafu, L. M., Aithal, P., Lucena, M., Terracciano, L., Meng, X., Pirmohamed, M., Brees, D., Kullak-Ublick, G. A., **Odermatt, A.**, Hammond, T., Kammüller, M., Naisbitt, D. J. (2023) Patients with Naproxen-Induced Liver Injury Display T-cell Memory Responses Towards an Oxidative (S)-O-Desmethyl Naproxen Metabolite but not the Acyl Glucuronide. Allergy, in press.
6. Berber, M., Leng, S., Wengi, A., Winter, D. V., **Odermatt, A.**, Beuschlein, F., Loffing, J., Breault, D. T., Penton, D. (2023) Calcineurin regulates aldosterone production via dephosphorylation of NFATC4. J. Clin. Invest. Insight, e157027.
7. Jäger, M-C, Patt, M., Gonzalez-Ruiz, V., Boccard, J., Wey, T., Winter, D. V., Rudaz, S., and **Odermatt, A.** (2023) Extended steroid profiling in H295R cells provides deeper insight into chemical-induced disturbances of steroidogenesis: Exemplified by prochloraz and anabolic steroids. Mol. Cell. Endocrinol., 570, 111929.
8. Bolten, J. S., Mancuso, R. V., Roos, N. J., Mayr, A., Puligilla, R. D., Kraus, L., **Odermatt, A.**, Fricker, G., and Huwyler, J. (2023) Nephrotoxicity of iopamidol is associated with mitochondrial impairment in human cell and teleost models. Toxicol. Appl. Pharmacol., 466, 116493.
9. Bourqui, L., Winter, D. V., **Odermatt, A.**, Loffing-Cueni, D., and Loffing, J. (2023) A novel mouse model for an inducible gene-modification in the renal thick ascending limb. Am. J. Physiol. Renal Physiol., 324, F446-F460.
10. Schreier, V. N., **Odermatt, A.**, and Welle, F. (2023) Migration modeling as a valuable tool for exposure assessment and risk characterization of polyethylene terephthalate oligomers. Molecules, 28, 173.

11. Ben Rhouma, B., Kley, M., Kallabi, F., Kacem, F. H., Kammoun, T., Safi, W., Keskes, L., Mnif, M., **Odermatt, A.**, and Belguith, N. (2023) Molecular mechanisms underlying the defects of two novel mutations in the HSD17B3 gene found in the Tunisian population. J. Steroid Biochem. Mol. Biol., 277, 106235.

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13. Stücheli, S., Araya, S., Ercan, C., Moser, S. O., Gallon, J., Jenö, P., Piscuoglio, S., Terracciano, L., and **Odermatt, A.** (2022) The Potential Tumor Suppressor DHRS7 Inversely Correlates with EGFR Expression in Prostate Cancer Cells and Tumor Samples. Cancers, 14, 3074.
14. Keppner, A., Correia, M., Santambrogio, S., Koay, T. W., Maric, D., Osterhof, C., Winter, D. V., Clerc, A., Stumpe, M., Chalmel, F., Dewilde, S., **Odermatt, A.**, Kressler, D., Hankeln, T., Wenger, R. H., and Hoogewijs, D. (2022) Androglobin, a chimeric mammalian globin, is required for male fertility. Elife. 11, e72374.
15. Geueke, B., Groh, K. J., Maffini, M. V., Martin, O. V., Boucher, J. M., Chiang, Y-T., Gwosdz, F., Jieh, P., Kassotis, C. D., Lanska, P., Myers, J. P., **Odermatt, A.**, Parkinson, L. V., Schreier, V. N., Srebny, V., Zimmermann, L., Scheringer, M., and Muncke, J. (2022) Systematic evidence on migrating and extractable food contact chemicals: most chemicals detected in food contact materials are not listed for use. Crit. Rev. Food Sci. Nutr., in press.
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17. Inderbilen, S. G., Kley, M., Zogg, M., Sellner, M., Fischer, A., Kędzierski, J., Boudon, S., Jetten, A. M., Smieško, M., and **Odermatt, A.** (2022) Activation of retinoic acid-related orphan receptor $\gamma(t)$ by parabens and benzophenone UV-filters. Toxicology, 471, 153159.
18. Leclercq, G., Alberti Servera, L., Danilin, S., Challier, J., Steinhoff, N., Bossen, C., **Odermatt, A.**, Nicolini, V., Umana, P., Klein, C., Bacac, M., Giusti, A-M., Schneider, A., and Haegel, H. (2022) Dissecting the mechanism of cytokine release induced by T-cell engagers highlights the contribution of neutrophils. Oncoimmunol., 11, e2039432.
19. Weingartner, M., Stücheli, S., Jebbawi, F., Gottstein, B., Beldi, G., Lundström-Stadelmann, B., Wang, J., and **Odermatt, A.** (2022) Albendazole reduces hepatic inflammation and endoplasmic reticulum-stress in a mouse model of chronic *Echinococcus multilocularis* infection. PLoS Negl. Trop. Dis. 16, e0009192.
20. Leclercq, G., Haegel, H., Toso, A., Zimmermann, T., Green, L., Steinhoff, N., Sam, J., Pulko, V., Schneider, A., Giusti, A-M., Challier, J., Freimoser-Grundschober, A., Lariviere, L. **Odermatt, A.**, Stern, M., Umana, P., Bacac, M., and Klein, C. (2022) JAK and mTOR

inhibitors prevent cytokine release while retaining T cell bispecific antibody *in vivo* efficacy. J. Immunother. Cancer, 10, e003766.

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23. Gomez, C., Jebbawi, F., Weingartner, M., Wang, J., Stücheli, S., Stieger, B., Gottstein, B., Beldi, G., Lundström-Stadelmann, B., and **Odermatt, A.** (2021) Impact on Bile Acid Concentrations by Alveolar Echinococcosis and Treatment with Albendazole in Mice. Metabolites, 11, 442.
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27. Birk, J., Lizak, B., Appenzeller-Herzog, C., **Odermatt, A.** (2021) Monitoring Changes in the Oxidizing Milieu in the Endoplasmic Reticulum of Mammalian Cells Using HyPerER. Bio Protoc., 11, e4076.
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31. Schnoz, C., Moser, S., Kratschmar, D. V., **Odermatt, A.**, Loffing-Cueni, D., and Loffing, J. (2021) Deletion of the transcription factor Prox-1 specifically in the renal distal convoluted tubule causes hypomagnesemia via reduced expression of TRPM6 and NCC. *Pflugers Arch.*, 473, 79-93.

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33. Thompson, G. R., Surampudi, P. N., and **Odermatt, A.** (2020) Gynecomastia and hypertension in a patient treated with posaconazole. *Clin. Case Rep.*, 8, 3158–3161.
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