

Ritter J, Falckenhayn C, Qi M, Gutjahr D, Schmidt J, Simm S, Kalkhof S, **Hildebrand J**, Bosch T, Winnefeld M, Grönniger E, Siracusa A (2025) Systemic factors in young human serum influence in vitro responses of human skin and bone marrow-derived blood cells in a microphysiological co-culture system. *Aging Cell*. 17(7):1784-1809

Hoen L, Pfeffer D, Schmidt JR, Kraft J, **Hildebrand J**, Kalkhof S (2023). Hydration Status of Geriatric Patients Is Associated with Changes in Plasma Proteome, Especially in Proteins Involved in Coagulation. *Nutrients*. 15(17):3789

Hoen L, Rudisch C, Wick M, Indenbirken D, Grundhoff A, Wegwitz F, Kalkhof S, **Hildebrand J** (2022). Osmotic Stress Interferes with DNA Damage Response and H2AX Phosphorylation in Human Keratinocytes. *Cells*. 11(6):959.

Hoen L, Pfeffer D, Zapf R, Raabe A, **Hildebrand J**, Kraft J, Kalkhof S (2021). Association of Drug Application and Hydration Status in Elderly Patients. *Nutrients*. 13(6):1929.

Kuehne A §, **Hildebrand J §**, Soehle J, Wenck H, Terstegen L, Gallinat S, Knott A, Winnefeld M, Zamboni N (2016). An integrative metabolomics and transcriptomics study to identify metabolic alterations in aged skin of humans in vivo. *BMC Genomics*, 18(1):169, **§ shared first author**

Knott A, Achterberg V, Smuda C, Mielke H, Sperling G, Dunckelmann K, Vogelsang A, Krüger A, Schwengler H, Behtash M, Kristof S, Diekmann H, Eisenberg T, Berroth A, **Hildebrand J**, Siegner R, Winnefeld M, Teuber F, Fey S, Möbius J, Retzer D, Burkhardt T, Lüttke J, Blatt T (2015). Topical treatment with coenzyme Q10-containing formulas improves skin's Q10 level and provides antioxidative effects. *Biofactors*, 41(6):383-90

Kuehne A §, Emmert H §, Soehle J, Winnefeld M, Fischer F, Wenck H, Gallinat S, Terstegen L, Lucius R, **Hildebrand J***, Zamboni N* (2015). Acute Activation of Oxidative Pentose Phosphate Pathway as First-Line Response to Oxidative Stress in Human Skin Cells. *Molecular Cell*, 59(3):359-71, **§ shared first author, *shared corresponding author**

Hildebrand J, Grundhoff A, Gallinat S, Wenck H, Knott A (2013). MicroRNA Profiling during Human Keratinocyte Differentiation using a Quantitative Real Time PCR Method. *Molecular Dermatology: Methods and Protocols*, 961:193-200

Hildebrand J §, Spoerl F §, Korge S, Gallinat S, Wenck H, Deppert W, Knott A, Blatt T (2012). Cell cycle regulator Cdkn1c (p57/KIP2) shows distinct expression in epidermal differentiation. *European Journal of Dermatology*, 22(5):694-6, **§ shared first author**

Hildebrand J, Rütze M, Walz N, Gallinat S, Wenck H, Deppert W, Grundhoff A, Knott A (2011). A Comprehensive Analysis of MicroRNA Expression During Human During Human Keratinocyte Differentiation In Vitro and In Vivo. *J Invest Dermatol*, 131, 20–29

Lebrun AH §, Wunder C §, **Hildebrand J §**, Churin Y, Zähringer U, Lindner B, Meyer TF, Heinz E, Warnecke D (2006). Cloning of a Cholesterol- α -glucosyltransferase from *Helicobacter pylori*. *J. Biol. Chem.*, 281(38):27765-72, **§ shared first author**