
Publikationsliste Christoph Küper

PUBLIKATIONEN IN VORBEGUTACHTETEN ZEITSCHRIFTEN

Zhao, G., Zhang H.M., Nasser A.R., Yip F., Telkar N., Chen Y.T., Aghakeshmiri S., Küper C., Zhao J., Lam W., Yang W., McManus B.N., Yang D.: “Conditional Heart-specific NFAT5 Knockout Suppresses Type I Interferon Signaling and Aggravates Coxsackievirus B3-induced Myocarditis”. *Circulation Research*. (Eingereicht; im Peer Review Prozess).

Hadrian K., Musial G., Schönberg A., Georgiev T., Küper C., Bock F., Jantsch, J.; Claus Cursiefen C., Eming S.A., Hos D.: “The role of the osmosensitive transcription factor NFAT5 in corneal edema resorption after injury”. *Exp Mol Med*. 2023 Mar 3.

Serr I., Scherm M.G., Zahm A.M., Schug J., Flynn V.K., Hippich M., Kälin S., Becker M., Achenbach P., Nikolaev A., Gerlach K., Liebsch N., Loretz B., Lehr C.M., Kirchner B., Spornraft M., Haase B., Segars J., Küper C., Palmisano R., Waisman A., Willis R.A., Kim W.U., Weigmann B., Kaestner K.H., Ziegler A.G., Daniel C.: „ miRNA181a/NFAT5 axis links impaired T cell tolerance induction with autoimmune type 1 diabetes“. *Sci Transl Med*. 2018 Jan 3;10(422). *

Berry M.R., Mathews R.J., Ferdinand J.R., Jing C., Loudon K.W., Wlodek E., Dennison T.W., Küper C., Neuhofer W., Clatworthy M.R.: “ Renal Sodium Gradient Orchestrates a Dynamic Antibacterial Defense Zone”. *Cell*. 2017 Aug 24;170(5):860-874.*

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Jantsch J., Schatz V., Friedrich D., Schröder A., Kopp C., Siegert I., Maronna A., Wendelborn D., Linz P., Binger K.J., Gebhardt M., Heinig M., Neubert P., Fischer F., Teufel S., David J.P., Neufert C., Cavallaro A., Rakova N., Küper C., Beck F.X., Neuhofer W., Muller D.N., Schuler G., Uder M., Bogdan C., Luft F.C., Titze J.: “Cutaneous na(+) storage strengthens the antimicrobial barrier function of the skin and boosts macrophage-driven host defense.“ *Cell Metab*. 21(3):493-501, 2015.

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Neuhofer W., Küper C., Lichtnekert J., Holzapfel K., Rupanagudi K.V., Fraek M.L., Bartels H., Beck F.X.: “Focal adhesion kinase regulates the activity of the osmosensitive transcription factor TonEBP/NFAT5 under hypertonic conditions.” *Front Physiol*. 2014 Apr 4;5:123.

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*Besonders wichtige Publikationen

PUBLIKATIONEN IN NICHT-VORBEGUTACHTEN ZEITSCHRIFTEN ODER BÜCHERN

Küper C., Beck F.X., Neuhofer W.: "Osmoadaptation of Mammalian Cells – An Orchestrated Network of Protective Genes". *Current Genomics* 8: 209-218, 2007.

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Küper C., Beck F.X., Neuhofer W.: "The Conserved Protective Function of Heat Shock Protein Expression during Osmotic Stress". In: Morel E, Vincent C (Eds.): *Heat Shock Proteins: New Research:* 223-242, Nova Science Publishers, 2008.
