

Prof. Dr. rer. nat. Alfred Nordheim

Ten Most Relevant Publications (from 2000)

Ohrnberger S, Thavamani A, Braeuning A, Lipka D, Kirilov M, Geffers R, Authenrieth S, Römer M, Zell A, Bonin M, Schwarz M, Schütz G, Schirmmacher P, Plass C, Longerich T, **Nordheim A** (2015), Dysregulated SRF triggers formation of hepatocellular carcinoma, *Hepatology* 61, 979-989

Weinl C, Riehl H, Park D, Stritt C, Beck S, Huber G, Wolburg H, Olson EN, Seeliger MW, Adams RH, **Nordheim A** (2013) Endothelial SRF/MRTF ablation causes vascular disease phenotypes in murine retinæ, *The Journal of Clinical Investigation* 123, 2193-2206

Wuestefeld T, Pesic M, Rudalska R, Dauch D, Longerich T, Kang TW, Yevsa T, Heinzmann F, Hoenicke L, Hohmeyer A, Potapova A, Rittelmeier I, Jarek M, Geffers R, Scharfe M, Klawonn F, Schirmmacher P, Malek NP, Ott M, **Nordheim A**, Vogel A, Manns MP, Zender L (2013) A Direct in vivo RNAi screen identifies MKK4 as a key regulator of liver regeneration. *Cell* 153, 389-401

Olson E N, Nordheim A (2010) Linking actin dynamics and gene transcription to drive cellular motile functions, *Nature Reviews in Molecular Cell Biology* 11, 353-365

Stritt C, Stern S, Harting K, Manke T, Sinske D, Schwarz H, Vingron M, **Nordheim A**, Knöll B (2009) Paracrine control of oligodendrocyte differentiation by SRF-directed neuronal gene expression, *Nature Neuroscience* 12, 418-427

Knöll B, Kretz O, Fiedler C, Alberti S, Schutz G, Frotscher M, **Nordheim A** (2006) Serum response factor controls neuronal circuit assembly in the hippocampus, *Nature Neuroscience* 9, 195-204

Etkin A, Alarcon J M, Weisberg SP, Touzani K, Huang YY, **Nordheim A**, Kandel ER (2006) A role in learning for SRF: deletion in the adult forebrain disrupts LTD and the formation of an immediate memory of a novel context, *Neuron* 50, 127-143

Wang Z, Wang DZ, Hockemeyer D, McAnally J, **Nordheim A**, Olson EN. (2004) Myocardin and ternary complex factors compete for SRF to control smooth muscle gene expression, *Nature* 428, 185-189

Philippar U, Schratt G, Dieterich C, Muller JM, Galgoczy P, Engel FB, Keating, MT, Gertler F, Schule R, Vingron M, **Nordheim A** (2004) The SRF target gene Fhl2 antagonizes RhoA/MAL-dependent activation of SRF, *Mol Cell* 16, 867-880

Schratt G, Philippar U, Berger J, Schwarz H, Heidenreich O, **Nordheim A** (2002) Serum response factor is crucial for actin cytoskeletal organization and focal adhesion assembly in embryonic stem cells, *J Cell Biol* 156, 737-750