

## Ausgewählte Publikationen

Temperature-sensitive migration dynamics in neutrophil-differentiated HL-60 cells.

Khachatryan G, Holle AW, Ende K, Frey C, Schwederski HA, Eiseler T, Paschke S, Micoulet A, Spatz JP, Kemkemer R.

Sci Rep. 2022 Apr 29;12(1):7053. doi: 10.1038/s41598-022-10858-w.

The Structure of Cyclodecatriene Collinolactone, its Biosynthesis, and Semisynthetic Analogues: Effects of Monoastral Phenotype and Protection from Intracellular Oxidative Stress.

Schmid JC, Frey K, Scheiner M, Garzón JFG, Stafforst L, Fricke JN, Schuppe M, Schiewe H, Zeeck A, Weber T, Usón I, Kemkemer R, Decker M, Grond S.

Angew Chem Int Ed Engl. 2021 Oct 18;60(43):23212-23216. doi: 10.1002/anie.202106802.

Optically transparent vertical silicon nanowire arrays for live-cell imaging.

Elnathan R, Holle AW, Young J, George MA, Heifler O, Goychuk A, Frey E, Kemkemer R, Spatz JP, Kosloff A, Patolsky F, Voelcker NH.

J Nanobiotechnology. 2021 Feb 17;19(1):51. doi: 10.1186/s12951-021-00795-7.

Development of Scaffolds with Adjusted Stiffness for Mimicking Disease-Related Alterations of Liver Rigidity.

Ruoß M, Rebholz S, Weimer M, Grom-Baumgarten C, Athanasopulu K, Kemkemer R, Käß H, Ehnert S, Nussler AK.

J Funct Biomater. 2020 Mar 14;11(1):17. doi: 10.3390/jfb11010017.

Development of a multi-well-chip for studying 2D and 3D tumor cell migration and spheroid growth in electrical fields

R Kemkemer, BK Naggay, TB Schmidt, K Ende

Current directions in biomedical engineering 2020, 6 (3), 164-167

Stronger than they look

AW Holle, R Kemkemer

Nature Physics 15 (7), 628-629

Cancer Cells Invade Confined Microchannels via a Self-Directed Mesenchymal-to-Amoeboid Transition.

Holle AW, Govindan Kutty Devi N, Clar K, Fan A, Saif T, Kemkemer R, Spatz JP.

Nano Lett. 2019 Apr 10;19(4):2280-2290. doi: 10.1021/acs.nanolett.8b04720.

Age-dependent migratory behavior of human endothelial cells revealed by substrate microtopography.

Sales A, Picart C, Kemkemer R.

Exp Cell Res. 2019 Jan 1;374(1):1-11. doi: 10.1016/j.yexcr.2018.10.008.