

Veröffentlichungen 2014

Adler A., Geiger S., Keil A., Bias H., Schatz P., deVos T., Dhein J., Zimmermann M., Tauber R. & Wiedenmann B.:

Improving compliance to colorectal cancer screening using blood and stool based tests in patients refusing screening colonoscopy in Germany.
BMC Gastroenterol 2014;14:183.

Affeld K., Stefansdottir S., Schaller J. & Kertzsch U.:

Experiments of platelet adhesion with the stagnation point flow
Biomed Eng-Biomed Te 2014;59(s1):s11-s14.

C. Bachran, S. Bachran, M. Sutherland, D. Bachran, H. Fuchs.

Preclinical studies of saponins for tumor therapy.

In: *Recent Advances in Medicinal Chemistry* (Eds. Atta-ur-Rahman, M. I. Choudhary, G. Perry), Vol. 1, pp. 272–302, ISBN: 978-1-60805-797-9, Bentham Science Publishers, Bussum, Netherlands (2014) [DOI: 10.2174/97816080579621140101].

Baltajian K., Hecht J.L., Wenger J.B., Salahuddin S., Verloren S., Perschel F.H., Zsengeller Z.K., Thadhani R., Karumanchi S.A. & Rana S.:

Placental lesions of vascular insufficiency are associated with anti-angiogenic state in women with preeclampsia.
Hypertens Pregnancy 2014;33(4):427-39.

Barucker C., Harmeier A., Weiske J., Fauler B., Albring K.F., Prokop S., Hildebrand P., Lurz R., Heppner F.L., Huber O. & Multhaup G.:

Nuclear translocation uncovers the amyloid peptide A β 42 as a regulator of gene transcription.

J Biol Chem 2014;289(29):20182-91.

Bessler S., Mende K., Goubergrits L., Osman J. & Strub B.:

The Anterior Spreader Flap: A Minimally Invasive Alternative to the Auto Spreader Flap in the Treatment of Patients with Nasal Valve Dysfunction
Int J Otolaryngol Head Neck Surg 2014;3:184-189.

Biskup K., Braicu E.I., Sehoul J., Tauber R. & Blanchard V.:

The serum glycome to discriminate between early-stage epithelial ovarian cancer and benign ovarian diseases.

Dis Markers 2014;2014:238197.

Buschmann I., Hackbusch D., Gatzke N., Dülsner A., Trappiel M., Dagnell M., Ostman A., Hooft van Huijsduijnen R. & Kappert K.:

Inhibition of protein tyrosine phosphatases enhances cerebral collateral growth in rats.
J Mol Med 2014;92(9):983-94.

Dernedde J., Weise C., Müller E.C., Hagiwara A., Bachmann S., Suzuki M., Reutter W., Tauber R. & Scherer H.:

Cupulin is a zona pellucida-like domain protein and major component of the cupula from the inner ear.

PLoS ONE 2014;9(11):e111917.

Frömmel C., Brose A., Klein J., Blankenstein O. & Lobitz S.:

Newborn screening for sickle cell disease: technical and legal aspects of a German pilot study with 38,220 participants.

Biomed Res Int 2014;2014:695828.

Gilabert-Oriol R., Thakur M., von Mallinckrodt B., Bhargava C., Wiesner B., Eichhorst J., Melzig M.F., Fuchs H. & Weng A.:
Reporter assay for endo/lysosomal escape of toxin-based therapeutics.
Toxins (Basel) 2014;6(5):1644-66.

Gilabert-Oriol R., Weng A., Mallinckrodt B.v., Melzig M.F., Fuchs H. & Thakur M.:
Immunotoxins constructed with ribosome-inactivating proteins and their enhancers: a lethal cocktail with tumor specific efficacy.
Curr Pharm Design 2014;20(42):6584-643.

Goubergrits L., Schaller J., Kertzscher U., Woelken T., Ringelstein M. & Spuler A.:
Hemodynamic impact of cerebral aneurysm endovascular treatment devices: coils and flow diverters.
Expert Rev Med Devices 2014;11(4):361-73.

Goubergrits L., Spuler A., Schaller J., Wiegmann N., Berthe A., Hege H.C., Affeld K. & Kertzscher U.:
In vitro study of hemodynamic treatment improvement: Hunterian ligation of a fenestrated basilar artery aneurysm after coiling.
Int J Artif Organs 2014;37(4):325-35.

Großhauser J., Reiter K., Große-Siestrup C., Kertzscher U. & Affeld K.:
Protective waistcoat for goats in a long-term animal model
Biomed Eng-Biomed Te 2014;59(s1):s56-s59.

Hamouda H., Kaup M., Ullah M., Berger M., Sandig V., Tauber R. & Blanchard V.:
Rapid analysis of cell surface N-glycosylation from living cells using mass spectrometry.
J Proteome Res 2014;13(12):6144-51.

Hoppe B.:
Fibrinogen and factor XIII at the intersection of coagulation, fibrinolysis and inflammation.
Thromb Haemostasis 2014;112(4):649-58.

Kannenbergh F., Gorzelniak K., Jäger K., Fobker M., Rust S., Repa J., Roth M., Björkhem I. & Walter M.:
Characterization of Cholesterol Homeostasis in Telomerase-immortalized Tangier Disease Fibroblasts Reveals Marked Phenotype Variability*
J Biol Chem 2014;288(52):36936-36947.

Kaschina E., Lauer D., Schmerler P., Unger T. & Steckelings U.M.:
AT2 receptors targeting cardiac protection post-myocardial infarction.
Curr Hypertens Rep 2014;16(7):441.

Kirsch S., Schrezenmeier E., Klare S., Zaade D., Seidel K., Schmitz J., Bernhard S., Lauer D., Slack M., Goldin-Lang P., Unger T., Zollmann F.S. & Funke-Kaiser H.:
The (pro)renin receptor mediates constitutive PLZF-independent pro-proliferative effects which are inhibited by bafilomycin but not genistein.
Int J Mol Med 2014;33(4):795-808.

Körber M.K., Langer E., Ziemer S., Perzborn E., Gericke C. & Heymann C.v.:
Measurement and reversal of prophylactic and therapeutic peak levels of rivaroxaban: an in vitro study.
Clin Appl Thromb-Hem 2014;20(7):735-40.

Lauer D., Slavic S., Sommerfeld M., Thöne-Reineke C., Sharkovska Y., Hallberg A., Dahlöf B., Kintscher U., Unger T., Steckelings U.M. & Kaschina E.:
Angiotensin type 2 receptor stimulation ameliorates left ventricular fibrosis and dysfunction via regulation of tissue inhibitor of matrix metalloproteinase 1/matrix metalloproteinase 9 axis and transforming growth factor β 1 in the rat heart.
Hypertension 2014;63(3):e60-7.

Lobitz S., Frömmel C., Brose A., Klein J. & Blankenstein O.:
Incidence of sickle cell disease in an unselected cohort of neonates born in Berlin, Germany.
Eur J Hum Genet 2014;22(8):1051-3.

Mazdak A.B., Michael G., Dirk S., Katharina A., Maria M. & Marcelo C.:
Fabrication of thermoresponsive nanogels by thermo-nanoprecipitation and in situ encapsulation of bioactives
Polym Chem-UK 2014;5:6909-6913.

Nachtigall I., Tamarkin A., Tafelski S., Weimann A., Rothbart A., Heim S., Wernecke K.D. & Spies C.:
Polymorphisms of the toll-like receptor 2 and 4 genes are associated with faster progression and a more severe course of sepsis in critically ill patients.
J Int Med Res 2014;42(1):93-110.

Nordmeyer D., Stumpf P., Gröger D., Hofmann A., Enders S., Riese S.B., Dervedde J., Taupitz M., Rauch U., Haag R., Rühl E. & Graf C.:
Iron oxide nanoparticles stabilized with dendritic polyglycerols as selective MRI contrast agents.
Nanoscale 2014;6(16):9646-54.

Oishi K., Hamaguchi Y., Matsushita T., Hasegawa M., Okiyama N., Dervedde J., Weinhart M., Haag R., Tedder T.F., Takehara K., Kohsaka H. & Fujimoto M.:
A crucial role of L-selectin in C protein-induced experimental polymyositis in mice.
Arthritis Rheumatol 2014;66(7):1864-71.

O'Regan N.L., Steinfelder S., Schwedler C., Rao G.B., Srikantam A., Blanchard V. & Hartmann S.:
Filariasis asymptotically infected donors have lower levels of disialylated IgG compared to endemic normals.
Parasite Immunol 2014;36(12):713-20.

Otto C., Hofmann J., Finke C., Zimmermann M. & Ruprecht K.:
The fraction of varicella zoster virus-specific antibodies among all intrathecally-produced antibodies discriminates between patients with varicella zoster virus reactivation and multiple sclerosis.
Fluids Barriers CNS 2014;11(1):3

Panjideh H., Müller G., Koch M., Wilde F., Scheu S., Moldenhauer G. & Lipp M.:
Immunotherapy of B-cell non-Hodgkin lymphoma by targeting the chemokine receptor CXCR5 in a preclinical mouse model.
Int J Cancer 2014;135(11):2623-32.

Paulus F., Schulze R., Steinhilber D., Zieringer M., Steinke I., Welker P., Licha K., Wedepohl S., Dervedde J. & Haag R.:
The effect of polyglycerol sulfate branching on inflammatory processes.
Macromol Biosci 2014;14(5):643-54.

Pergola C., Gaboriaud-Kolar N., Jestädt N., König S., Kritsanida M., Schaible A.M., Li H., Garscha U., Weinigel C., Barz D., Albring K.F., Huber O., Skaltsounis A.L. & Werz O.:
Indirubin core structure of glycogen synthase kinase-3 inhibitors as novel chemotype for intervention with 5-lipoxygenase.
J Med Chem 2014;57(9):3715-23.

Rau J., Rosenthal C., Langer E., Sander M., Schulte E., Schuster M. & von Heymann C.:
A calcium-containing electrolyte-balanced hydroxyethyl starch (HES) solution is associated with higher factor VIII activity than is a non-balanced HES solution, but does not affect von Willebrand factor function or thromboelastometric measurements--results of a model of in vitro haemodilution.
Blood Transfus 2014;12(2):260-8.

Redlin M., Habazettl H., Schoenfeld H., Kukucka M., Boettcher W., Kuppe H. & Salama A.:
Red blood cell storage duration is associated with various clinical outcomes in pediatric cardiac surgery.
Transfus Med Hemoth 2014;41(2):146-51.

Riesenkampff E., Fernandes J.F., Meier S., Goubergrits L., Kropf S., Schubert S., Berger F., Hennemuth A. & Kuehne T.:
Pressure fields by flow-sensitive, 4D, velocity-encoded CMR in patients with aortic coarctation.
JACC Cardiovasc Imaging 2014;7(9):920-6.

Riese S.B., Kuehne C., Tedder T.F., Hallmann R., Hohenester E. & Buscher K.:
Heterotropic modulation of selectin affinity by allosteric antibodies affects leukocyte rolling.
J Immunol 2014;192(4):1862-9.

Rosenthal C., Rau J., Volk T., Sander M., Ziemer S. & Von Heymann C.:
High-dose fibrinogen versus a clinically recommended dose of fresh frozen plasma for reversal of dilutional coagulopathy in an in vitro model of severe hemodilution.
Minerva Anesthesiol 2014;80(8):894-903.

Scherer, H., Dervedde, J., Reutter, W., Tauber, R., Wittmann, V., Niederwieser, A.
Neues zur Physiologie des Labyrinth.
In: Vertigo – Neue Horizonte in Diagnostik und Therapie (Ernst, A., Basta, D., Hrsg.) pp. 3 – 10, Springer Verlag, Wien (2014)

Schlemmer C., Wiebe C., Ferenc D., Kowalczyk D., Wedepohl S., Ziegelmüller P., Dervedde J. & Opatz T.:
Chemoenzymatic synthesis of functional sialyl Lewis(x) mimetics with a heteroaromatic core.
Chem-Asian J 2014;9(8):2119-25.

Schmerler P., Jeuthe S., O h-Ici D., Wassilew K., Lauer D., Kaschina E., Kintscher U., Müller S., Muench F., Kuehne T., Berger F., Unger T., Steckelings U.M., Paulis L. & Messroghli D.:
Mortality and morbidity in different immunization protocols for experimental autoimmune myocarditis in rats.
Acta Physiol 2014;210(4):889-98.

Schneider S., Gabel G., Affeld K. & Kertzsch U.:
A vascular model with adjustable elasticity for pulse transit time measurements
Biomed Eng-Biomed Te 2014;59(s1):S174-S177.

- Schwedler C., Kaup M., Petzold D., Hoppe B., Braicu E.I., Sehouli J., Ehlers M., Berger M., Tauber R. & Blanchard V.:
Sialic acid methylation refines capillary electrophoresis laser-induced fluorescence analyses of immunoglobulin G N-glycans of ovarian cancer patients.
Electrophoresis 2014;35(7):1025-31.
- Schwedler C., Kaup M., Weiz S., Hoppe M., Braicu E.I., Sehouli J., Hoppe B., Tauber R., Berger M. & Blanchard V.:
Identification of 34 N-glycan isomers in human serum by capillary electrophoresis coupled with laser-induced fluorescence allows improving glycan biomarker discovery.
Anal Bioanal Chem 2014;406(28):7185-93.
- Singer B.B., Opp L., Heinrich A., Schreiber F., Binding-Liermann R., Berrocal-Almanza L.C., Heyl K.A., Müller M.M., Weimann A., Zweigner J. & Slevogt H.:
Soluble CEACAM8 interacts with CEACAM1 inhibiting TLR2-triggered immune responses.
PLoS ONE 2014;9(4):e94106.
- Thakur M., Jerz G., Tuwalska D., Gilibert-Oriol R., Wybraniec S., Winterhalter P., Fuchs H. & Weng A.:
High-speed countercurrent chromatographic recovery and off-line electrospray ionization mass spectrometry profiling of bisdesmodic saponins from *Saponaria officinalis* possessing synergistic toxicity enhancing properties on targeted antitumor toxins.
J Chromatogr B 2014;955-956:1-9.
- von Mallinckrodt B., Thakur M., Weng A., Gilibert-Oriol R., Dürkop H., Brenner W., Lukas M., Beindorff N., Melzig M.F. & Fuchs H.:
Dianthin-EGF is an effective tumor targeted toxin in combination with saponins in a xenograft model for colon carcinoma.
Future Oncol 2014;10(14):2161-75.
- Vonnemann J., Beziere N., Böttcher C., Riese S.B., Kuehne C., Dervedde J., Licha K., von Schacky C., Kosanke Y., Kimm M., Meier R., Ntziachristos V. & Haag R.:
Polyglycerolsulfate functionalized gold nanorods as optoacoustic signal nanoamplifiers for in vivo bioimaging of rheumatoid arthritis.
Theranostics 2014;4(6):629-41.
- Wei Q., Krysiak S., Achazi K., Becherer T., Noeske P.L.M., Paulus F., Liebe H., Grunwald I., Dervedde J., Hartwig A., Hugel T. & Haag R.:
Multivalent anchored and crosslinked hyperbranched polyglycerol monolayers as antifouling coating for titanium oxide surfaces.
Colloid Surface B 2014;122:684-92.
- Weiss D., Neuner B., Gorzelniak K., Bremer A., Rudack C. & Walter M.:
Platelet glycoproteins and fibrinogen in recovery from idiopathic sudden hearing loss.
PLoS ONE 2014;9(1):e86898.
- Wu C., Strehmel C., Achazi K., Chiappisi L., Dervedde J., Lensen M.C., Gradzielski M., Ansorge-Schumacher M.B. & Haag R.:
Enzymatically cross-linked hyperbranched polyglycerol hydrogels as scaffolds for living cells.
Biomacromolecules 2014;15(11):3881-90.
- Zhang X., Achazi K., Steinhilber D., Kratz F., Dervedde J. & Haag R.:
A facile approach for dual-responsive prodrug nanogels based on dendritic polyglycerols with minimal leaching.
J Control Release 2014;174:209-16.