T.T.N. Thao et al. Rapid reconstruction of SARS-CoV-2 using a synthetic genomics platform. Nature, **2020**, 10.1038/s41586-020-2294-9

[read abstract](https://www.ncbi.nlm.nih.gov/pubmed/32365353)

M.K. Włodarczyk-Biegun, J.I. Paez, M. Villiou, J. Feng and A. Del Campo. Printability study of metal ion crosslinked PEG-catechol based inks. Biofabrication, **2020**, 10.1088/1758-5090/ab673a

[read abstract](https://doi.org/10.1088/1758-5090/ab673a)

P. Nunhart et al. Fluorinated 3,6,9-trisubstituted acridine derivatives as DNA interacting agents and topoisomerase inhibitors with A549 antiproliferative activity. Bioorganic Chemistry, **2020**, 10.1016/j.bioorg.2019.103393

[read abstract](https://doi.org/10.1016/j.bioorg.2019.103393)

I. Zoi et al. Combining RANK/RANKL and ERBB-2 targeting as a novel strategy in ERBB-2-positive breast carcinomas. Breast Cancer Research, **2019**, 10.1186/s13058-019-1226-9

[read abstract](https://doi.org/10.1186/s13058-019-1226-9)

S. López-García et al. Biological Effects of New Hydraulic Materials on Human Periodontal Ligament Stem Cells. Journal of Clinical Medicine, **2019**, 10.3390/jcm8081216

[read abstract](https://doi.org/10.3390/jcm8081216)

I. Lackner et al. Midkine Is Elevated After Multiple Trauma and Acts Directly on Human Cardiomyocytes by Altering Their Functionality and Metabolism. Frontiers in Immunology, **2019**, 10.3389/fimmu.2019.01920

[read abstract](https://www.frontiersin.org/article/10.3389/fimmu.2019.01920)

S. Featherby, Y.P. Xiao, C. Ettelaie, L.L. Nikitenko, J. Greenman and A. Maraveyas. Low molecular weight heparin and direct oral anticoagulants influence tumour formation, growth, invasion and vascularisation by separate mechanisms. Scientific Reports, **2019**, 10.1038/s41598-019-42738-1

[read abstract](https://doi.org/10.1038/s41598-019-42738-1)

M. Wang et al. Aberrant accumulation of Dickkopf 4 promotes tumor progression via forming the immune suppressive microenvironment in gastrointestinal stromal tumor. Cancer Medicine, **2019**, 10.1002/cam4.2437

[read abstract](https://doi.org/10.1002/cam4.2437)

T. Sun et al. Anoikis resistant mediated by FASN promoted growth and metastasis of osteosarcoma. Cell Death & Disease, **2019**, 10.1038/s41419-019-1532-2

[read abstract](https://doi.org/10.1038/s41419-019-1532-2)

Q. Li et al. Lysyl oxidase promotes liver metastasis of gastric cancer via facilitating the reciprocal interactions between tumor cells and cancer associated fibroblasts. EBioMedicine, **2019**, 10.1016/j.ebiom.2019.10.037

[read abstract](https://doi.org/10.1016/j.ebiom.2019.10.037)

Y. Wu, X. Chen, Y. Zhao, Y. Wang, Y. Li and C. Xiang. Genome-wide DNA methylation and hydroxymethylation analysis reveal human menstrual blood-derived stem cells inhibit hepatocellular carcinoma growth through oncogenic pathway suppression via regulating 5-hmC in enhancer elements. Stem Cell Research & Therapy, **2019**, 10.1186/s13287-019-1243-8

[read abstract](https://doi.org/10.1186/s13287-019-1243-8)

K.F. Bornhöfft et al. Sialylated Cervical Mucins Inhibit the Activation of Neutrophils to Form Neutrophil Extracellular Traps in Bovine in vitro Model. Frontiers in Immunology, **2019**, 10.3389/fimmu.2019.02478

[read abstract](https://www.frontiersin.org/article/10.3389/fimmu.2019.02478)

S. Çelik-Uzuner. Enhanced immunological detection of epigenetic modifications of DNA in healthy and cancerous cells by fluorescence microscopy. Microscopy Research and Technique, **2019**, 10.1002/jemt.23365

[read abstract](https://onlinelibrary.wiley.com/doi/abs/10.1002/jemt.23365)

N. Semenova, M. Bosnjak, B. Markelc, K. Znidar, M. Cemazar and L. Heller. Multiple cytosolic DNA sensors bind plasmid DNA after transfection. Nucleic Acids Research, **2019**, 10.1093/nar/gkz768

[read abstract](https://doi.org/10.1093/nar/gkz768)

C. Xu et al. NPTX2 promotes colorectal cancer growth and liver metastasis by the activation of the canonical Wnt/β-catenin pathway via FZD6. Cell Death & Disease, **2019**, 10.1038/s41419-019-1467-7

[read abstract](https://doi.org/10.1038/s41419-019-1467-7)

R. Arroyo, M.A. Khan, M. Echaide, J. Pérez-Gil and N. Palaniyar. SP-D attenuates LPS-induced formation of human neutrophil extracellular traps (NETs), protecting pulmonary surfactant inactivation by NETs. Communications Biology, **2019**, 10.1038/s42003-019-0662-5

[read abstract](https://doi.org/10.1038/s42003-019-0662-5)

C. Mohr et al. KCa3.1 Channels Confer Radioresistance to Breast Cancer Cells. Cancers11, **2019**, 10.3390/cancers11091285

[read abstract](https://doi.org/10.3390/cancers11091285)

M.C. Echave et al. Biphasic hydrogels integrating mineralized and anisotropic features for interfacial tissue engineering. ACS Applied Materials & Interfaces, **2019**, 10.1021/acsami.9b17826

[read abstract](https://doi.org/10.1021/acsami.9b17826)

C. Eggers, M. Fujitani, R. Kato and S. Smid. Novel cannabis flavonoid, cannflavin A displays both a hormetic and neuroprotective profile against amyloid β-mediated neurotoxicity in PC12 cells: comparison with geranylated flavonoids, mimulone and diplacone. Biochemical Pharmacology, **2019**, 10.1016/j.bcp.2019.08.011

[read abstract](https://doi.org/10.1016/j.bcp.2019.08.011)

C. Otto et al. Targeting bromodomain-containing protein 4 (BRD4) inhibits MYC expression in colorectal cancer cells. Neoplasia, **2019**, 10.1016/j.neo.2019.10.003

[read abstract](https://doi.org/10.1016/j.neo.2019.10.003)

A. Brosig et al. The Axonal Membrane Protein PRG2 Inhibits PTEN and Directs Growth to Branches. Cell Reports, **2019**, 10.1016/j.celrep.2019.10.039

[read abstract](https://doi.org/10.1016/j.celrep.2019.10.039)

G. Birarda et al. Multi-technique microscopy investigation on bacterial biofilm matrices: a study on Klebsiella pneumoniae clinical strains. Analytical and Bioanalytical Chemistry, **2019**, 10.1007/s00216-019-02111-7

[read abstract](https://doi.org/10.1007/s00216-019-02111-7)

I.A. Shopova et al. Human neutrophils produce antifungal extracellular vesicles against Aspergillus fumigatus. bioRxiv, **2019**, 10.1101/620294

[read abstract](https://www.biorxiv.org/content/biorxiv/early/2019/04/26/620294.full.pdf)

I. Wimmer et al. PECAM-1 Stabilizes Blood-Brain Barrier Integrity and Favors Paracellular T-Cell Diapedesis Across the Blood-Brain Barrier During Neuroinflammation. Frontiers in Immunology, **2019**, 10.3389/fimmu.2019.00711

[read abstract](https://www.frontiersin.org/article/10.3389/fimmu.2019.00711)

C. Amaya Ramirez, P. Hubbe, N. Mandel and J. Béthune. 4EHP-independent repression of endogenous mRNAs by the RNA-binding protein GIGYF2. Nucleic Acids Research, **2018**, 10.1093/nar/gky198

[read abstract](https://dx.doi.org/10.1093/nar/gky198)

R. De Santis, M. Garone, F. Pagani, V. de Turris, S. Di Angelantonio and A. Rosa. Direct conversion of human pluripotent stem cells into cranial motor neurons using a piggyBac vector. Stem Cell Research, **2018**, 10.1016/j.scr.2018.04.012

[read abstract](https://www.sciencedirect.com/science/article/pii/S1873506118301132)

M. Turano et al. Characterisation of mesenchymal colon tumour-derived cells in tumourspheres as a model for colorectal cancer progression. International Journal of Oncology, **2018**, 10.3892/ijo.2018.4565

[read abstract](https://doi.org/10.3892/ijo.2018.4565)

B. Müller et al. Nanoparticle-Based Fluoroionophore for Analysis of Potassium Ion Dynamics in 3D Tissue Models and In Vivo. Advanced Functional Materials, **2017**, 10.1002/adfm.201704598

[read abstract](https://doi.org/10.1002/adfm.201704598)

D. Schulz et al. Simultaneous Multiplexed Imaging of mRNA and Proteins with Subcellular Resolution in Breast Cancer Tissue Samples by Mass Cytometry. Cell Systems, **2017**, 10.1016/j.cels.2017.12.001

[read abstract](https://www.sciencedirect.com/science/article/pii/S2405471217305434)

S. Tiwari, B. Tirosh and A. Rubinstein. Increasing the affinity of cationized polyacrylamide-paclitaxel nanoparticles towards colon cancer cells by a surface recognition peptide. International Journal of Pharmaceutics, **2017**, 10.1016/j.ijpharm.2017.08.092

[read abstract](https://doi.org/10.1016/j.ijpharm.2017.08.092)

T. Sun et al. miR-375-3p negatively regulates osteogenesis by targeting and decreasing the expression levels of LRP5 and β-catenin. PloS one, **2017**, 10.1371/journal.pone.0171281

[read abstract](http://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0171281&type=printable)

I. Okkelman, T. Foley, D. Papkovsky and R. Dmitriev. Live cell imaging of mouse intestinal organoids reveals heterogeneity in their oxygenation. Biomaterials, **2017**, 10.1016/j.biomaterials.2017.08.043

[read abstract](https://dx.doi.org/10.1016/j.biomaterials.2017.08.043)

C. Naffah de Souza et al. Alkaline pH Promotes NADPH Oxidase-Independent Neutrophil Extracellular Trap Formation: A Matter of Mitochondrial Reactive Oxygen Species Generation and Citrullination and Cleavage of Histone. Frontiers in immunology, **2017**, 10.3389/fimmu.2017.01849

[read abstract](https://europepmc.org/abstract/MED/29375550)

Y. Pylina, D. Shadrin, O. Shevchenko, I. Khudyaeva, D. Belykh and I. Velegzhaninova. Cytotoxicity of New Metal Porphyrinates Based on Chlorophyll a Derivatives. Macroheterocycles, **2017**, 10.6060/mhc161285b

[read abstract](https://macroheterocycles.isuct.ru/en/mhc161285b)

H. Beauchemin, P. Shooshtarizadeh, C. Vadnais, L. Vassen, Y.D. Pastore and T. Möröy. Gfi1b controls integrin signaling-dependent cytoskeleton dynamics and organization in megakaryocytes. Haematologica, **2017**, 10.3324/haematol.2016.150375

S. Degrelle, H. Shoaito and T. Fournier. New Transcriptional Reporters to Quantify and Monitor PPARy Activity. PPAR Research, **2017**, 10.1155/2017/6139107

[read abstract](https://doi.org/10.1155/2017/6139107)

C. Ghayor, B. Gjoksi, J. Dong, B. Siegenthaler, A. Caflisch and F. Weber. N,N Dimethylacetamide a drug excipient that acts as bromodomain ligand for osteoporosis treatment. Scientific Reports, **2017**, 10.1038/srep42108

[read abstract](https://dx.doi.org/10.1038/srep42108)

F. Steudel et al. SK4 channels modulate Ca2+ signalling and cell cycle progression in murine breast cancer. Molecular Oncology, **2017**, 10.1002/1878-0261.12087

[read abstract](https://doi.org/10.1002/1878-0261.12087)

K. Schneider et al. The Inflammasome Drives GSDMD-Independent Secondary Pyroptosis and IL-1 Release in the AbsenceofCaspase-1 ProteaseActivity. Cell Reports, **2017**, 10.1016/j.celrep.2017.12.018

[read abstract](https://doi.org/10.1016/j.celrep.2017.12.018)

S. Uzureau et al. Apolipoproteins L control cell death triggered by TLR3/TRIF signaling in dendritic cells. European Journal of Immunology, **2016**, 10.1002/eji.201546252

[read abstract](https://dx.doi.org/10.1002/eji.201546252)

N. Andric, T. Ehmke, N. Stumpp, T. Ripken, A. Heisterkamp and M. Stiesch. Nonlinear laser scanning microscopy of oral multispecies-biofilms: fixative induced fluorescence as a fast and economical in vitro screening method. BioNanoMaterials, **2016**, 10.1515/bnm-2015-0028

[read abstract](http://www.degruyter.com/view/j/biomat.ahead-of-print/bnm-2015-0028/bnm-2015-0028.xml)

R. Ferreira et al. Retinoic acid-loaded polymeric nanoparticles enhance vascular regulation of neural stem cell survival and differentiation after ischaemia. Nanoscale, **2016**, 10.1039/C5NR09077F

[read abstract](https://dx.doi.org/10.1039/C5NR09077F)

S. Coelho, G. Almeida, F. Santos-Silva, M. Pereira and M. Coelho. Enhancing the efficiency of bortezomib conjugated to pegylated gold nanoparticles: an in vitro study on human pancreatic cancer cells and adenocarcinoma human lung alveolar basal epithelial cells. Expert Opinion on Drug Delivery, **2016**, 10.1080/17425247.2016.1178234

[read abstract](https://www.tandfonline.com/doi/full/10.1080/17425247.2016.1178234)

M. Benincasa et al. Biofilms from Klebsiella pneumoniae: Matrix Polysaccharide Structure and Interactions with Antimicrobial Peptides. Microorganisms, **2016**,

[read abstract](http://www.mdpi.com/2076-2607/4/3/26)

C. Vinegoni et al. Real-time high dynamic range laser scanning microscopy. Nat Commun, **2016**, 10.1038/ncomms11077

[read abstract](https://dx.doi.org/10.1038/ncomms11077)

N. McDermott et al. Fractionated radiation exposure amplifies the radioresistant nature of prostate cancer cells. Scientific Reports, **2016**, 10.1038/srep34796

[read abstract](https://www.nature.com/articles/srep34796)

J. Desai et al. PMA and crystal-induced neutrophil extracellular trap formation involves RIPK1-RIPK3-MLKL signaling. European Journal of Immunology, **2016**, 10.1002/eji.201545605

[read abstract](https://dx.doi.org/10.1002/eji.201545605)

D. Di Mascolo, P. Basnett, A. Palange, M. Francardi, I. Roy and P. Decuzzi. Tuning Core Hydrophobicity of Spherical Polymeric Nanoconstructs for Docetaxel Delivery. Polymer International, **2016**, 10.1002/pi.5072

[read abstract](https://dx.doi.org/10.1002/pi.5072)

A. Wilhelm et al. Interaction of TWEAK with Fn14 leads to the progression of fibrotic liver disease by directly modulating hepatic stellate cell proliferation. The Journal of Pathology, **2016**, 10.1002/path.4707

[read abstract](https://dx.doi.org/10.1002/path.4707)

S. Mereiter et al. Glycomic analysis of gastric carcinoma cells discloses glycans as modulators of RON receptor tyrosine kinase activation in cancer. Biochimica et Biophysica Acta, **2015**, 10.1016/j.bbagen.2015.12.016

[read abstract](https://doi.org/10.1016/j.bbagen.2015.12.016)

J. Lenzi et al. ALS mutant FUS proteins are recruited into stress granules in induced Pluripotent Stem Cells (iPSCs) derived motoneurons. Disease Models & Mechanisms, **2015**, 10.1242/dmm.020099

[read abstract](http://dmm.biologists.org/content/dmm/early/2015/04/22/dmm.020099.full.pdf)

A. Singh et al. Astrocytes Increase ATP Exocytosis Mediated Calcium Signaling in Response to Microgroove Structures. Scientific Reports, **2015**, 10.1038/srep07847

[read abstract](https://dx.doi.org/10.1038/srep07847)

P. Scudieri et al. Ion channel and lipid scramblase activity associated with expression of TMEM16F/ANO6 isoforms. The Journal of Physiology, **2015**, 10.1113/JP270691

[read abstract](https://doi.org/10.1113/JP270691)

M. Tolba and S. Abdel-Rahman. Pterostilbine, an active component of blueberries, sensitizes colon cancer cells to 5-fluorouracil cytotoxicity. Scientific Reports, **2015**, 10.1038/srep15239

[read abstract](https://www.nature.com/articles/srep15239)

N.S. Abdou, R.A.T. Serya, A. Esmat, M.F. Tolba, N.S.M. Ismail and K.A.M. Abouzid. Synthesis and in vitro antiproliferative activity of novel pyrazolo[3,4-d]pyrimidine derivatives. MedChemComm, **2015**, 10.1039/C5MD00127G

[read abstract](https://dx.doi.org/10.1039/C5MD00127G)

M. Koutsioumpa et al. Receptor protein tyrosine phosphatase beta/zeta is a functional binding partner for vascular endothelial growth factor. Molecular cancer, **2015**, 10.1186/s12943-015-0287-3

[read abstract](https://www.biomedcentral.com/content/pdf/s12943-015-0287-3.pdf)

M. Kriisa et al. Inhibition of CREB Phosphorylation by Conjugates of Adenosine Analogues and Arginine-Rich Peptides, Inhibitors of PKA Catalytic Subunit. ChemBioChem, **2015**, 10.1002/cbic.201402526

[read abstract](https://dx.doi.org/10.1002/cbic.201402526)

A. Azeem et al. The influence of anisotropic nano- to micro-topography on in vitro and in vivo osteogenesis. Nanomedicine, **2015**, 10.2217/nnm.14.218

[read abstract](https://dx.doi.org/10.2217/nnm.14.218)

U. Zissler et al. Interleukin-4 and interferon-γ orchestrate an epithelial polarization in the airways. Mucosal immunology, **2015**, 10.1038/mi.2015.110

[read abstract](https://www.nature.com/mi/journal/vaop/ncurrent/full/mi2015110a.html)

J. Min, H. Moon, H. Yang, H. Shin, S. Hong and S. Kang. Development of P22 Viral Capsid Nanocomposites as Anti-Cancer Drug, Bortezomib (BTZ), Delivery Nanoplatforms. Macromolecular Bioscience, **2014**, 10.1002/mabi.201300401

[read abstract](http://onlinelibrary.wiley.com/doi/10.1002/mabi.201300401/abstract;jsessionid=B4ECEBB15EDCCE8B7E505D4D6AD7D0C3.f01t01?deniedAccessCustomisedMessage=&userIsAuthenticated=false)

S. Castro Coelho, S. Rocha, M. Pereira, P. Juzenas and M. Coelho. Enhancing Proteasome-Inhibitor Effect by Functionalized Gold Nanoparticles. Journal of Biomedical Nanotechnology, **2014**, 10.1166/jbn.2014.1743 717

[read abstract](http://www.ingentaconnect.com/content/asp/jbn/2014/00000010/00000004/art00018)

S. Coelho, S. Rocha, P. Sampaio, M. Pereira and M. Coelho. Encapsulation of a proteasome inhibitor with gold-polysaccharide nanocarriers. Journal of Nanoparticle Research, **2014**, 10.1007/s11051-014-2368-4

[read abstract](https://link.springer.com/article/10.1007/s11051-014-2368-4)

K. Krüger, F. Cossais, H. Neve and M. Klempt. Titanium dioxide nanoparticles activate IL8-related inflammatory pathways in human colonic epithelial Caco-2 cells. Journal of Nanoparticle Research, **2014**, 10.1007/s11051-014-2402-6

[read abstract](https://link.springer.com/article/10.1007/s11051-014-2402-6)

L. Rauch, K. Hennings and M. Aepfelbacher. A Role for Exocyst in Maturation and Bactericidal Function of Staphylococci-Containing Endothelial Cell Phagosomes. Traffic, **2014**, 10.1111/tra.12189

[read abstract](https://dx.doi.org/10.1111/tra.12189)

Y. Yuan et al. Dexamethasone induces cross-linked actin networks in trabecular meshwork cells through noncanonical Wnt signaling. Investigative ophthalmology & visual science, **2013**, 10.1167/iovs.13-12447

[read abstract](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3790389/pdf/i1552-5783-54-10-6502.pdf)

I. Loureiro et al. Knockdown of Asparagine Synthetase A Renders Trypanosoma brucei Auxotrophic to Asparagine. PLOS Neglected Tropical Diseases, **2013**, 10.1371/journal.pntd.0002578

[read abstract](http://www.plosntds.org/article/info%3Adoi/10.1371/journal.pntd.0002578)

P. Scudieri, E. Sondo, E. Caci, R. Ravazzolo and L. Galietta. TMEM16A–TMEM16B chimaeras to investigate the structure–function relationship of calcium-activated chloride channels. Biochemical Journal, **2013**, 10.1042/BJ20130348

[read abstract](http://www.biochemj.org/content/452/3/443)

M. Tolba et al. Caffeic acid phenethyl ester synergistically enhances docetaxel and paclitaxel cytotoxicity in prostate cancer cells. IUBMB life, **2013**, 10.1002/iub.1188.

[read abstract](http://onlinelibrary.wiley.com/doi/10.1002/iub.1188/abstract?deniedAccessCustomisedMessage=&userIsAuthenticated=false)

S. Seow, M. Naidu, P. David, K. Wong and V. Sabaratnam. Potentiation of neuritogenic activity of medicinal mushrooms in rat pheochromocytoma cells. BMC complementary and alternative medicine, **2013**, 10.1186/1472-6882-13-157

[read abstract](https://www.biomedcentral.com/1472-6882/13/157)

S. Coelho et al. Gold nanoparticle delivery-enhanced proteasome inhibitor effect in adenocarcinoma cells. Expert opinion on drug delivery, **2013**, 10.1517/17425247.2013.827659

[read abstract](https://www.tandfonline.com/doi/abs/10.1517/17425247.2013.827659)

K. Koren, R.I. Dmitriev, S.M. Borisov, D.B. Papkovsky and I. Klimant. Complexes of IrIII-Octaethylporphyrin with Peptides as Probes for Sensing Cellular O2. ChemBioChem, **2012**, 10.1002/cbic.201200083

[read abstract](https://dx.doi.org/10.1002/cbic.201200083)

M. Koutsioumpa et al. Interplay between alphavbeta3Integrin and Nucleolin Regulates Human Endothelial and Glioma Cell Migration. Journal of Biological Chemistry, **2012**, 10.1074/jbc.M112.387076

[read abstract](http://www.jbc.org/content/288/1/343.abstract)

A.V. Zhdanov, R.I. Dmitriev and D.B. Papkovsky. Bafilomycin A1 activates HIF-dependent signalling in human colon cancer cells via mitochondrial uncoupling. Bioscience Reports, **2012**, 10.1042/bsr20120085

[read abstract](http://www.bioscirep.org/bsr/032/bsr0320587.htm)

J.H. Kim et al. The role of myofibroblasts in upregulation of S100A8 and S100A9 and the differentiation of myeloid cells in the colorectal cancer microenvironment. Biochemical and Biophysical Research Communications, **2012**, 10.1016/j.bbrc.2012.05.081

[read abstract](https://www.sciencedirect.com/science/article/pii/S0006291X12009588)

R.I. Dmitriev, H. Ropiak, G. Ponomarev, D.V. Yashunsky and D.B. Papkovsky. Cell-Penetrating Conjugates of Coproporphyrins with Oligoarginine Peptides: Rational Design and Application for Sensing Intracellular O2. Bioconjugate Chemistry, **2011**, 10.1021/bc200324q

[read abstract](http://pubs.acs.org/doi/abs/10.1021/bc200324q)

J. Mikeš et al. Lower sensitivity of FHC fetal colon epithelial cells to photodynamic therapy compared to HT-29 colon adenocarcinoma cells despite higher intracellular accumulation of hypericin. Photochem. Photobiol. Sci., **2011**, 10.1039/C0PP00359J

[read abstract](http://pubs.rsc.org/en/Content/ArticleLanding/2011/PP/c0pp00359j)

J.A. Croix, S. Bhatia and H.R. Gaskins. Inflammatory cues modulate the expression of secretory product genes, Golgi sulfotransferases and sulfomucin production in LS174T cells. Exp Biol Med, **2011**, 10.1258/ebm.2011.011186

[read abstract](http://journals.sagepub.com/doi/abs/10.1258/ebm.2011.011186?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%3dpubmed)

D.V. Milojkov et al. Fabrication and characterization of luminescent Pr3+ doped fluorapatite nanocrystals as bioimaging contrast agents. Journal of Luminescence, **2020**, 10.1016/j.jlumin.2019.116757

[read abstract](https://doi.org/10.1016/j.jlumin.2019.116757)

R. Dubey et al. Lipid droplets can promote drug accumulation and activation. Nature Chemical Biology, **2020**, 10.1038/s41589-019-0447-7

[read abstract](https://doi.org/10.1038/s41589-019-0447-7)

N. Raddaoui et al. Super-sensitive multi-fluorophore RNA-FISH for early virus detection and flow-FISH using click chemistry. ChemBioChem, **2020**, 10.1002/cbic.202000081

[read abstract](https://chemistry-europe.onlinelibrary.wiley.com/doi/abs/10.1002/cbic.202000081)

E.F. Maughan et al. Cell-intrinsic differences between human airway epithelial cells from children and adults. bioRxiv, **2020**, 10.1101/2020.04.20.027144

[read abstract](https://www.biorxiv.org/content/biorxiv/early/2020/04/20/2020.04.20.027144.full.pdf)

M.R. Jubran et al. Dissecting the role of crosstalk between glioblastoma subpopulations in tumor cell spreading. Oncogenesis, **2020**, 10.1038/s41389-020-0199-y

[read abstract](https://doi.org/10.1038/s41389-020-0199-y)

C. Wodlej et al. Interaction of two antitumor peptides with membrane lipids – Influence of phosphatidylserine and cholesterol on specificity for melanoma cells. PLOS ONE, **2019**, 10.1371/journal.pone.0211187

[read abstract](https://doi.org/10.1371/journal.pone.0211187)

M. Kusmierek et al. A bacterial secreted translocator hijacks riboregulators to control type III secretion in response to host cell contact. PLOS Pathogens, **2019**, 10.1371/journal.ppat.1007813

[read abstract](https://doi.org/10.1371/journal.ppat.1007813)

W.J. Sim et al. c-Met activation leads to the establishment of a TGFβ-receptor regulatory network in bladder cancer progression. Nature Communications, **2019**, 10.1038/s41467-019-12241-2

[read abstract](https://doi.org/10.1038/s41467-019-12241-2)

M. René Schumann, U. Brandt, C. Adis, L. Hartung and A. Fleißner. Plasma Membrane Integrity During Cell-Cell Fusion and in Response to Pore-Forming Drugs Is Promoted by the Penta-EF-Hand Protein PEF1 in Neurospora crassa. Genetics, **2019**, 10.1534/genetics.119.302363

[read abstract](https://www.genetics.org/content/genetics/early/2019/07/03/genetics.119.302363.full.pdf)

A. Müller-Längle, H. Lutz, S. Hehlgans, F. Rödel, K. Rau and B. Laube. NMDA Receptor-Mediated Signaling Pathways Enhance Radiation Resistance, Survival and Migration in Glioblastoma Cells—A Potential Target for Adjuvant Radiotherapy. Cancers, **2019**, 10.3390/cancers11040503

[read abstract](https://doi.org/10.3390/cancers11040503)

I. Lackner et al. Midkine Is Elevated After Multiple Trauma and Acts Directly on Human Cardiomyocytes by Altering Their Functionality and Metabolism. Frontiers in Immunology, **2019**, 10.3389/fimmu.2019.01920

[read abstract](https://www.frontiersin.org/article/10.3389/fimmu.2019.01920)

M. Hörner et al. Phytochrome-Based Extracellular Matrix with Reversibly Tunable Mechanical Properties. Advanced Materials, **2019**, 10.1002/adma.201806727

[read abstract](https://onlinelibrary.wiley.com/doi/abs/10.1002/adma.201806727)

V. Passos et al. Characterization of Endogenous SERINC5 Protein as anti-HIV-1 Factor. Journal of Virology, **2019**, 10.1128/jvi.01221-19

[read abstract](https://jvi.asm.org/content/jvi/early/2019/10/03/JVI.01221-19.full.pdf)

E.T. Sumrall et al. Phage resistance at the cost of virulence: Listeria monocytogenes serovar 4b requires galactosylated teichoic acids for InlB-mediated invasion. PLOS Pathogens, **2019**, 10.1371/journal.ppat.1008032

[read abstract](https://doi.org/10.1371/journal.ppat.1008032)

J. Sun, M. Mathesh, W. Li and D.A. Wilson. Enzyme-Powered Nanomotors with Controlled Size for Biomedical Applications. ACS Nano, **2019**, 10.1021/acsnano.9b03358

[read abstract](https://doi.org/10.1021/acsnano.9b03358)

T. Janovič, M. Stojaspal, P. Veverka, D. Horáková and C. Hofr. Human Telomere Repeat Binding Factor TRF1 Replaces TRF2 Bound to Shelterin Core Hub TIN2 when TPP1 Is Absent. Journal of Molecular Biology, **2019**, 10.1016/j.jmb.2019.05.038

[read abstract](https://doi.org/10.1016/j.jmb.2019.05.038)

C. Arndt et al. A theranostic PSMA ligand for PET imaging and retargeting of T cells expressing the universal chimeric antigen receptor UniCAR. OncoImmunology, **2019**, 10.1080/2162402X.2019.1659095

[read abstract](https://doi.org/10.1080/2162402X.2019.1659095)

A. Adamus, N. Engel and G. Seitz. SGPL1321 mutation: one main trigger for invasiveness of pediatric alveolar rhabdomyosarcoma. Cancer Gene Therapy, **2019**, 10.1038/s41417-019-0132-8

[read abstract](https://doi.org/10.1038/s41417-019-0132-8)

A. Adamus et al. Berberis orthobotrys – A promising herbal anti-tumorigenic candidate for the treatment of pediatric alveolar rhabdomyosarcoma. Journal of Ethnopharmacology, **2019**, 10.1016/j.jep.2018.10.002

[read abstract](https://doi.org/10.1016/j.jep.2018.10.002)

S. Koo et al. Molecular Theranostic Agent with Programmed Activation for Hypoxic Tumors. ACS Applied Bio Materials, **2019**, 10.1021/acsabm.9b00722

[read abstract](https://doi.org/10.1021/acsabm.9b00722)

F. Saporiti et al. Melanocortin-1 Receptor Positively Regulates Human Artery Endothelial Cell Migration. Cellular Physiology & Biochemistry, **2019**, 10.33594/000000094

[read abstract](https://doi.org/10.33594/000000094)

F. Guerra et al. Modulation of RAB7A Protein Expression Determines Resistance to Cisplatin through Late Endocytic Pathway Impairment and Extracellular Vesicular Secretion. Cancers, **2019**, 10.3390/cancers11010052

[read abstract](https://doi.org/10.3390/cancers11010052)

S. Bekeschus et al. Elevated H2AX Phosphorylation Observed with kINPen Plasma Treatment Is Not Caused by ROS-Mediated DNA Damage but Is the Consequence of Apoptosis. Oxidative Medicine and Cellular Longevity, **2019**, 10.1155/2019/8535163

[read abstract](https://doi.org/10.1155/2019/8535163)

N. Personnic et al. Quorum sensing modulates the formation of virulent Legionella persisters within infected cells. Nature Communications, **2019**, 10.1038/s41467-019-13021-8

[read abstract](https://doi.org/10.1038/s41467-019-13021-8)

S. Yadav et al. SMC1A is associated with radioresistance in prostate cancer and acts by regulating epithelial-mesenchymal transition and cancer stem-like properties. Molecular Carcinogenesis, **2019**, 10.1002/mc.22913

[read abstract](https://onlinelibrary.wiley.com/doi/abs/10.1002/mc.22913)

E. Sato et al. Tetrandrine Increases the Sensitivity of Human Lung Adenocarcinoma PC14 Cells to Gefitinib by Lysosomal Inhibition. Anticancer Research, **2019**, 10.21873/anticanres.13874

[read abstract](http://ar.iiarjournals.org/content/39/12/6585.abstract)

L. Colnaghi et al. Super Resolution Microscopy of SUMO Proteins in Neurons. Frontiers in Cellular Neuroscience, **2019**, 10.3389/fncel.2019.00486

[read abstract](https://doi.org/10.3389/fncel.2019.00486)

T. Montanari, F. Boschi and M. Colitti. Comparison of the Effects of Browning-Inducing Capsaicin on Two Murine Adipocyte Models. Frontiers in Physiology, **2019**, 10.3389/fphys.2019.01380

[read abstract](https://doi.org/10.3389/fphys.2019.01380)

B. Hudry et al. Sex Differences in Intestinal Carbohydrate Metabolism Promote Food Intake and Sperm Maturation. Cell, **2019**, 10.1016/j.cell.2019.07.029

[read abstract](https://doi.org/10.1016/j.cell.2019.07.029)

B. Gurbi et al. The Potential Impact of Connexin 43 Expression on Bcl-2 Protein Level and Taxane Sensitivity in Head and Neck Cancers–In Vitro Studies. Cancers, **2019**, 10.3390/cancers11121848

[read abstract](https://doi.org/10.3390/cancers11121848)

C. Tümmler et al. SYK Inhibition Potentiates the Effect of Chemotherapeutic Drugs on Neuroblastoma Cells In Vitro. Cancers, **2019**, 10.3390/cancers11020202

[read abstract](https://doi.org/10.3390/cancers11020202)

T. Heusler, G. Bruno, S. Bekeschus, J.-W. Lackmann, T. von Woedtke and K. Wende. Can the effect of cold physical plasma-derived oxidants be transported via thiol group oxidation?. Clinical Plasma Medicine, **2019**, 10.1016/j.cpme.2019.100086

[read abstract](https://doi.org/10.1016/j.cpme.2019.100086)

K. Alcantara and R. Garcia. MicroRNA‑92a promotes cell proliferation, migration and survival by directly targeting the tumor suppressor gene NF2 in colorectal and lung cancer cells. Oncology Reports, **2019**, 10.3892/or.2019.7020

[read abstract](https://doi.org/10.3892/or.2019.7020)

R.P. Juni et al. Cardiac Microvascular Endothelial Enhancement of Cardiomyocyte Function Is Impaired by Inflammation and Restored by Empagliflozin. JACC: Basic to Translational Science, **2019**, 10.1016/j.jacbts.2019.04.003

[read abstract](https://doi.org/10.1016/j.jacbts.2019.04.003)

R. Lincoln, A. Van Kessel, W. Zhang and G. Cosa. A dormant BODIPY-acrolein singlet oxygen photosensitizer intracellularly activated upon adduct formation with cysteine residues. Photochemical & Photobiological Sciences, **2019**, 10.1039/c9pp00162j

[read abstract](https://pubs.rsc.org/en/content/articlelanding/2019/pp/c9pp00162j#!divAbstract)

G. Liskayová et al. pH-Sensitive N,N-Dimethylalkane-1-amine N-Oxides in DNA Delivery: From Structure to Transfection Efficiency. Langmuir, **2019**, 10.1021/acs.langmuir.9b02353

[read abstract](https://doi.org/10.1021/acs.langmuir.9b02353)

A. Palko-Łabuz, K. Środa-Pomianek, O. Wesołowska, E. Kostrzewa-Susłow, A. Uryga and K. Michalak. MDR reversal and pro-apoptotic effects of statins and statins combined with flavonoids in colon cancer cells. Biomedicine & Pharmacotherapy, **2019**, 10.1016/j.biopha.2018.10.169

[read abstract](https://doi.org/10.1016/j.biopha.2018.10.169)

M. Esposito et al. Bone vascular niche E-selectin induces mesenchymal–epithelial transition and Wnt activation in cancer cells to promote bone metastasis. Nature Cell Biology, **2019**, 10.1038/s41556-019-0309-2

[read abstract](https://doi.org/10.1038/s41556-019-0309-2)

J.P. Burton et al. Potential role of extracellular ATP released by bacteria in bladder infection and contractility. bioRxiv, **2019**, 10.1101/538868

[read abstract](https://www.biorxiv.org/content/biorxiv/early/2019/02/02/538868.full.pdf)

O. Stiehl, A. Veres and M. Weiss. Monitoring Subcellular Stress Response via a Cell-permeant Rotor Dye. Journal of Fluorescence, **2018**, 10.1007/s10895-018-2223-6

[read abstract](https://doi.org/10.1007/s10895-018-2223-6)

J. Aluko et al. Semi-autonomous real-time programmable fluorescence lifetime segmentation with a digital micromirror device. Optics Express, **2018**, 10.1364/OE.26.031055

[read abstract](https://doi.org/10.1364/OE.26.031055)

I. Gomez et al. Neutrophil microvesicles drive atherosclerosis by delivering miR-155 to atheroprone endothelium. bioRxiv, **2018**, 10.1101/319392

[read abstract](https://www.biorxiv.org/content/biorxiv/early/2018/05/24/319392.full.pdf)

M. Leone, G. Musa and F. Engel. Cardiomyocyte binucleation is associated with aberrant mitotic microtubule distribution, mislocalization of RhoA and IQGAP3, as well as defective actomyosin ring anchorage and cleavage furrow ingression. Cardiovascular Research, **2018**, 10.1093/cvr/cvy056

[read abstract](https://doi.org/10.1093/cvr/cvy056)

S. Michels et al. Downregulation of the psychiatric susceptibility gene Cacna1c promotes mitochondrial resilience to oxidative stress in neuronal cells. Cell Death Discovery, **2018**, 10.1038/s41420-018-0061-6

[read abstract](https://doi.org/10.1038/s41420-018-0061-6)

C.I.K. Valsecchi, M.F. Basilicata, G. Semplicio, P. Georgiev, N.M. Gutierrez and A. Akhtar. Facultative dosage compensation of developmental genes on autosomes in Drosophila and mouse embryonic stem cells. Nature Communications, **2018**, 10.1038/s41467-018-05642-2

[read abstract](https://doi.org/10.1038/s41467-018-05642-2)

D. Wu, S. Cheung, G. Sampedro, Z.-L. Chen, R. Cahill and D. O'Shea. A DIE responsive NIR-fluorescent cell membrane probe. BBA - Biomembranes, **2018**, 10.1016/j.bbamem.2018.09.006

[read abstract](https://doi.org/10.1016/j.bbamem.2018.09.006)

M. Lambelet et al. Dysfunctional autophagy following exposure to pro-inflammatory cytokines contributes to pancreatic β-cell apoptosis. Cell Death & Disease, **2018**, 10.1038/s41419-017-0121-5

[read abstract](https://doi.org/10.1038/s41419-017-0121-5)

K. Santhana Kumar et al. TGF-β Determines the Pro-migratory Potential of bFGF Signaling in Medulloblastoma. Cell Reports, **2018**, 10.1016/j.celrep.2018.05.083

[read abstract](https://doi.org/10.1016/j.celrep.2018.05.083)

M. Omsland et al. Interferon Alpha and Kinase Inhibitor Nilotinib Increase Cell Adhesion and Tunneling Nanotubes in CML. bioRxiv, **2018**, 10.1101/297838

[read abstract](https://www.biorxiv.org/content/biorxiv/early/2018/09/13/297838.full.pdf)

M. Omsland et al. Increased Adhesion of CML Cells by ABL1 Tyrosine Kinase Inhibitors Induce Tunneling Nanotubes. bioRxiv, **2018**, 10.1101/297838

[read abstract](https://www.biorxiv.org/content/biorxiv/early/2018/04/09/297838.full.pdf)

B. Boyce and N. Samsonova. Novel millimeter-wave-based method for in situ cell isolation and other applications. Scientific Reports, **2018**, 10.1038/s41598-018-32950-w

[read abstract](https://doi.org/10.1038/s41598-018-32950-w)

N. de Vasconcelos, N. Van Opdenbosch, H. Van Gorp, E. Parthoens and M. Lamkanfi. Single-cell analysis of pyroptosis dynamics reveals conserved GSDMD-mediated subcellular events that precede plasma membrane rupture. Cell Death & Differentiation, **2018**, 10.1038/s41418-018-0106-7

[read abstract](https://doi.org/10.1038/s41418-018-0106-7)

M. Rabenau, M. Unger, J. Drewe and C. Culmsee. Effects of Cimicifuga racemosa extract Ze450 on mitochondria in models of oxidative stress in neuronal cells. Data in Brief, **2018**, 10.1016/j.dib.2018.10.092

[read abstract](https://doi.org/10.1016/j.dib.2018.10.092)

T. Edwardson, T. Mori and D. Hilvert. Rational Engineering of a Designed Protein Cage for siRNA Delivery. Journal of the American Chemical Society, **2018**, 10.1021/jacs.8b06442

[read abstract](https://pubs.acs.org/doi/10.1021/jacs.8b06442)

C. Lee, H. Seo, A. Armien, F. Bates, J. Tolar and S. Azarin. Modeling and rescue of defective blood–brain barrier function of induced brain microvascular endothelial cells from childhood cerebral adrenoleukodystrophy patients. Fluids and Barriers of the CNS, **2018**, 10.1186/s12987-018-0094-5

[read abstract](https://doi.org/10.1186/s12987-018-0094-5)

T. Montanari and M. Colitti. Simpson–Golabi–Behmel syndrome human adipocytes reveal a changing phenotype throughout differentiation. Histochemistry and Cell Biology, **2018**, 10.1007/s00418-018-1663-z

[read abstract](https://doi.org/10.1007/s00418-018-1663-z)

N. Humphry and S. Wheatley. Survivin inhibits excessive autophagy in cancer cells but does so independently of its interaction with LC3. Biology Open, **2018**, 10.1242/bio.037374

[read abstract](https://doi.org/10.1242/bio.037374)

M. Krols et al. Sensory neuropathy-causing mutations in ATL3 affect ER–mitochondria contact sites and impair axonal mitochondrial distribution. Human Molecular Genetics, **2018**, 10.1093/hmg/ddy352

[read abstract](https://dx.doi.org/10.1093/hmg/ddy352)

K. Padmanabha Das et al. Hypoxia-inducible lipid droplet-associated protein inhibits adipose triglyceride lipase. Journal of Lipid Research, **2018**, 10.1194/jlr.M082388

[read abstract](https://doi.org/10.1194/jlr.M082388)

S. Wiedmer, U. Buder, S. Bleischwitz and M. Kurth. Distribution and Processing of Eimeria nieschulzi OWP13, a new Protein of the COWP Family. Journal of Eukaryotic Microbiology, **2018**, 10.1111/jeu.12498

[read abstract](https://doi.org/10.1111/jeu.12498)

M. Yasuda-Yamahara et al. FERMT2 links cortical actin structures, plasma membrane tension and focal adhesion function to stabilize podocyte morphology. Matrix Biology, **2018**, 10.1016/j.matbio.2018.01.003

[read abstract](https://doi.org/10.1016/j.matbio.2018.01.003)

M. Yasuda-Yamahara, M. Rogg, K. Yamahara, J.I. Maier, T.B. Huber and C. Schell. AIF1L regulates actomyosin contractility and filopodial extensions in human podocytes. PloS one, **2018**, 10.1371/journal.pone.0200487

[read abstract](https://doi.org/10.1371/journal.pone.0200487)

J. Pircher et al. Cathelicidins prime platelets to mediate arterial thrombosis and tissue inflammation. Nature Communications, **2018**, 10.1038/s41467-018-03925-2

[read abstract](https://doi.org/10.1038/s41467-018-03925-2)

J. Rawson, O. Nikolaitchik, B. Keele, V. Pathak and W.-S. Hu. Recombination is required for efficient HIV-1 replication and the maintenance of viral genome integrity. Nucleic Acids Research, **2018**, 10.1093/nar/gky910

[read abstract](https://doi.org/10.1093/nar/gky910)

K. Ernst et al. Pharmacological Cyclophilin Inhibitors Prevent Intoxication of Mammalian Cells with Bordetella pertussis Toxin. Toxins, **2018**, 10.3390/toxins10050181

[read abstract](https://doi.org/10.3390/toxins10050181)

D.K. Glatzel et al. Acetyl-CoA carboxylase 1 regulates endothelial cell migration by shifting the phospholipid composition. Journal of Lipid Research, **2018**, 10.1194/jlr.M080101

[read abstract](http://www.jlr.org/content/59/2/298.abstract)

D. Yi et al. Human Glioblastoma-Derived Mesenchymal Stem Cell to Pericytes Transition and Angiogenic Capacity in Glioblastoma Microenvironment. Cellular Physiology and Biochemistry, **2018**, 10.1159/2F000488429

[read abstract](https://www.karger.com/DOI/10.1159/000488429)

R. Nolan et al. nandb—number and brightness in R with a novel automatic detrending algorithm. Bioimage informatics, **2017**, 10.1093/bioinformatics/btx434

K. Hanaoka et al. Discovery and Mechanistic Characterization of Selective Inhibitors of H2S-producing Enzyme: 3-Mercaptopyruvate Sulfurtransferase (3MST) Targeting Active-site Cysteine Persulfide. Scientific Reports, **2017**, 10.1038/srep40227

[read abstract](https://dx.doi.org/10.1038/srep40227)

Y. Mostinski, G. Noy, R. Kumar, T. Dmitry and A. Priel. Tricyclic Spirolactones as Modular TRPV1 Synthetic Agonists. ACS Chemical Neuroscience, **2017**, 10.1021/acschemneuro.7b00127

[read abstract](https://pubs.acs.org/doi/10.1021/acschemneuro.7b00127)

H.-K. Walter, B. Olshausen, U. Schepers and H.-A. Wagenknecht. A postsynthetically 2’-“clickable” uridine with arabino configuration and its application for fluorescent labeling and imaging of DNA. Beilstein Journal of Organic Chemistry, **2017**, 10.3762/bjoc.13.16

M. Álvarez-Fernández et al. Therapeutic relevance of the PP2A-B55 inhibitory kinase MASTL/Greatwall in breast cancer. Cell Death & Differentiation, **2017**, 10.1038/s41418-017-0024-0

[read abstract](https://doi.org/10.1038/s41418-017-0024-0)

C. Fujimoto et al. Autophagy is essential for hearing in mice. Cell Death & Disease, **2017**, 10.1038/cddis.2017.194

[read abstract](https://doi.org/10.1038/cddis.2017.194)

F. Lennartz et al. Structure-Guided Identification of a Family of Dual Receptor-Binding PfEMP1 that Is Associated with Cerebral Malaria. Cell Host and Microbe, **2017**, 10.1016/j.chom.2017.02.009

[read abstract](https://dx.doi.org/10.1016/j.chom.2017.02.009)

Y. Leonhardt, S. Kakoschke, J. Wagener and F. Ebel. Lah is a transmembrane protein and requires Spa10 for stable positioning of Woronin bodies at the septal pore of Aspergillus fumigatus. Scientific Reports, **2017**, 10.1038/srep44179

[read abstract](https://dx.doi.org/10.1038/srep44179)

C. Docherty, A. Carswell, E. Friel and J. Mercer. Impaired mitochondrial respiration in human carotid plaque atherosclerosis: A potential role for Pink1 in vascular smooth muscle cell energetics. Atherosclerosis, **2017**, 10.1016/j.atherosclerosis.2017.11.009

[read abstract](https://dx.doi.org/10.1016/j.atherosclerosis.2017.11.009)

L. Chio, D. Yang and M. Landry. Surface Engineering of Nanoparticles to Create Synthetic Antibodies. Synthetic Antibodies, **2017**, 10.1007/978-1-4939-6857-2\_23

[read abstract](https://link.springer.com/protocol/10.1007/978-1-4939-6857-2_23)

I. Valsecchi et al. Role of Hydrophobins in Aspergillus fumigatus. Journal of Fungi, **2017**, 10.3390/jof4010002

[read abstract](http://www.mdpi.com/2309-608X/4/1/2)

J.Y. Kasper, M.I. Hermanns, R.E. Unger and C.J. Kirkpatrick. A responsive human triple-culture model of the air–blood barrier: incorporation of different macrophage phenotypes. Journal of Tissue Engineering and Regenerative Medicine, **2017**, 10.1002/term.2032

[read abstract](https://onlinelibrary.wiley.com/doi/abs/10.1002/term.2032)

B. Andreiuk et al. Fluorescent Polymer Nanoparticles for Cell Barcoding In Vitro and In Vivo. Small, **2017**, 10.1002/smll.201701582

[read abstract](https://dx.doi.org/10.1002/smll.201701582)

R. Schwenk, T. Stehning, I. Bischoff, A. Ullrich, U. Kazmaier and R. Fürst. The pretubulysin-induced exposure of collagen is caused by endothelial cell retraction that results in an increased adhesion and decreased transmigration of tumor cells. Oncotarget, **2017**, 10.18632/oncotarget.20746

[read abstract](https://doi.org/10.18632/oncotarget.20746)

S. Koch‐Edelmann et al. The cellular ceramide transport protein CERT promotes Chlamydia psittaci infection and controls bacterial sphingolipid uptake. Cellular Microbiology, **2017**, 10.1111/cmi.12752

[read abstract](https://doi.org/10.1111/cmi.12752)

S. Marti et al. Bacterial Lysis through Interference with Peptidoglycan Synthesis Increases Biofilm Formation by Nontypeable Haemophilus influenzae. mSphere, **2017**, 10.1128/mSphere.00329-16

D. Lainšček, T. Lebar and R. Jerala. Transcription activator-like effector-mediated regulation of gene expression based on the inducible packaging and delivery via designed extracellular vesicles. Biochemical and Biophysical Research Communications, **2017**, http://dx.doi.org/10.1016/j.bbrc.2017.01.090

[read abstract](https://www.sciencedirect.com/science/article/pii/S0006291X17301407)

T. Martin et al. Rho-inhibiting C2IN-C3 fusion toxin inhibits chemotactic recruitment of human monocytes ex vivo and in mice in vivo. Archives of Toxicology, **2017**, 10.1007/s00204-017-2058-y

[read abstract](https://doi.org/10.1007/s00204-017-2058-y)

L. Greene, R. Lincoln and G. Cosa. Rate of Lipid Peroxyl Radical Production during Cellular Homeostasis Unraveled via Fluorescence Imaging. Journal of the American Chemical Society, **2017**, 10.1021/jacs.7b08036

[read abstract](https://pubs.acs.org/doi/10.1021/jacs.7b08036)

J. Olejnik et al. Ebolaviruses associated with differential pathogenicity induce distinct host responses in human macrophages. Journal of Virology, **2017**, 10.1128/JVI.00179-17

[read abstract](http://jvi.asm.org/content/early/2017/03/16/JVI.00179-17.full.pdf)

S. Bose, A. Ngo and L. Do. Intracellular Transfer Hydrogenation Mediated by Unprotected Organoiridium Catalysts. Journal of the American Chemical Society, **2017**, 10.1021/jacs.7b03872

[read abstract](https://pubs.acs.org/doi/10.1021/jacs.7b03872)

M. Kollek, G. Voigt, C. Molnar, F. Murad, D. Bertele and C. Krombholz. Transient apoptosis inhibition in donor stem cells improves hematopoietic stem cell transplantation. The Journal of Experimental Medicine, **2017**, 10.1084/jem.20161721

[read abstract](http://jem.rupress.org/content/jem/early/2017/09/06/jem.20161721.full.pdf)

J.P. Garrett, A.M. Lowery, A.P. Adam, A.P. Kowalczyk and P.A. Vincent. Regulation of endothelial barrier function by p120-catenin∙VE-cadherin interaction. Molecular Biology of the Cell, **2017**, 10.1091/mbc.E16-08-0616

[read abstract](http://www.molbiolcell.org/content/28/1/85.abstract)

S. Mitra et al. Stapled peptide inhibitors of RAB25 target context-specific phenotypes in cancer. Nature Communications, **2017**, 10.1038/s41467-017-00888-8

[read abstract](https://www.nature.com/articles/s41467-017-00888-8)

R. Bouchaala et al. Light-triggered release from dye-loaded fluorescent lipid nanocarriers in vitro and in vivo. Colloids and Surfaces B: Biointerfaces, **2017**, https://doi.org/10.1016/j.colsurfb.2017.05.035

[read abstract](https://www.sciencedirect.com/science/article/pii/S092777651730293X)

S. Modi, N. Yaluri, T. Kokkola and M. Laakso. Plant-derived compounds strigolactone GR24 and pinosylvin activate SIRT1 and enhance glucose uptake in rat skeletal muscle cells. Scientific Reports, **2017**, 10.1038/s41598-017-17840-x

[read abstract](https://doi.org/10.1038/s41598-017-17840-x)

S. Heng et al. Photoswitchable calcium sensor: ‘On’–‘Off’ sensing in cells or with microstructured optical fibers. Sensors and Actuators B: Chemical, **2017**, 10.1016/j.snb.2017.06.051

[read abstract](https://www.sciencedirect.com/science/article/pii/S0925400517310717)

M. Lunova et al. Nanoparticle core stability and surface functionalization drive the mTOR signaling pathway in hepatocellular cell lines. Scientific Reports, **2017**, 10.1038/s41598-017-16447-6

[read abstract](https://www.nature.com/articles/s41598-017-16447-6)

M.F. Perez, M. Francesconi, C. Hidalgo-Carcedo and B. Lehner. Maternal age generates phenotypic variation in Caenorhabditis elegans. Nature, **2017**, 10.1038/nature25012

[read abstract](https://www.nature.com/articles/nature25012)

S. Heng, X. Zhang, J. Pei and A. Abell. A Rationally Designed Reversible ‘Turn-Off’ Sensor for Glutathione. Biosensors, **2017**, 10.3390/bios7030036

[read abstract](https://doi.org/10.3390/bios7030036)

J. Kernien, C. Johnson and J. Nett. Conserved Inhibition of Neutrophil Extracellular Trap Release by Clinical Candida albicans Biofilms. Journal of Fungi, **2017**, 10.3390/jof3030049

[read abstract](http://www.mdpi.com/2309-608X/3/3/49/htm)

E. Peters et al. IGF-1 Attenuates Hypoxia-Induced Atrophy but Inhibits Myoglobin Expression in C2C12 Skeletal Muscle Myotubes. International Journal of Molecular Sciences, **2017**, 10.3390/ijms18091889

[read abstract](http://www.mdpi.com/1422-0067/18/9/1889)

A. Lynch and M. Ahearne. Retinoic Acid Enhances the Differentiation of Adipose-Derived Stem Cells to Keratocytes In Vitro. Translational Vision Science and Technology, **2017**, 10.1167/tvst.6.1.6

[read abstract](http://tvst.arvojournals.org/article.aspx?articleid=2598509)

S. Atwal et al. Evidence for a peptidoglycan-like structure in Orientia tsutsugamushi. Molecular Microbiology, **2017**, 10.1111/mmi.13709

[read abstract](https://doi.org/10.1111/mmi.13709)

N. Takeshita et al. Pulses of Ca2+ coordinate actin assembly and exocytosis for stepwise cell extension. Proceedings of the National Academy of Sciences, **2017**, 10.1073/pnas.1700204114

[read abstract](http://www.pnas.org/content/early/2017/05/09/1700204114.abstract)

J. Sharma, B. Wisniewski, E. Paulson, J. Obaoye, S. Merrill and A. Manogaran. De novo [PSI+] prion formation involves multiple pathways to form infectious oligomers. Scientific Reports, **2017**, 10.1038/s41598-017-00135-6

[read abstract](https://www.nature.com/articles/s41598-017-00135-6)

M. Charnley and S. Russell. Imaging Asymmetric T Cell Division. Methods in Molecular Biology, **2017**, 10.1007/978-1-4939-6881-7\_23

[read abstract](https://doi.org/10.1007/978-1-4939-6881-7_23)

C. Kreutz et al. Hepatocyte Ploidy Is a Diversity Factor for Liver Homeostasis. Frontiers in Physiology, **2017**, 10.3389/fphys.2017.00862

[read abstract](https://www.frontiersin.org/article/10.3389/fphys.2017.00862)

J. Yang et al. Poly-γ-glutamic acid/chitosan nanogel greatly enhances the efficacy and heterosubtypic cross-reactivity of H1N1 pandemic influenza vaccine. Scientific Reports, **2017**, 10.1038/srep44839

[read abstract](https://dx.doi.org/10.1038/srep44839)

N. Ayoub, K. Al-Shami, M. Alqudah and N. Mhaidat. Crizotinib, a MET inhibitor, inhibits growth, migration, and invasion of breast cancer cells in vitro and synergizes with chemotherapeutic agents. OncoTargets and Therapy, **2017**, 10.2147/OTT.S148604

[read abstract](https://doi.org/10.2147/OTT.S148604)

D. Ranieri et al. Simulated microgravity triggers epithelial mesenchymal transition in human keratinocytes. Scientific Reports, **2017**, 10.1038/s41598-017-00602-0

[read abstract](https://dx.doi.org/10.1038/s41598-017-00602-0)

O.N.P. Nguyen et al. Two-Pore Channel Function Is Crucial for the Migration of Invasive Cancer Cells. Cancer Research, **2017**, 10.1158/0008-5472.can-16-0852

[read abstract](http://cancerres.aacrjournals.org/content/canres/77/6/1427.full.pdf)

H. Corvol et al. FAM13A is a modifier gene of cystic fibrosis lung phenotype regulating rhoa activity, actin cytoskeleton dynamics and epithelial-mesenchymal transition. Journal of Cystic Fibrosis, **2017**, 10.1016/j.jcf.2017.11.003

[read abstract](https://dx.doi.org/10.1016/j.jcf.2017.11.003)

P. Gimpel et al. Nesprin-1a-Dependent Microtubule Nucleation from the Nuclear Envelope via Akap450 Is Necessary for Nuclear Positioning in Muscle Cells. Current Biology, **2017**,

[read abstract](https://dx.doi.org/10.1016/j.cub.2017.08.031)

H. Shimada et al. In Vitro Modeling Using Ciliopathy-Patient-Derived Cells Reveals Distinct Cilia Dysfunctions Caused by CEP290 Mutations. Cell Reports, **2017**, 10.1016/j.celrep.2017.06.045

[read abstract](https://www.sciencedirect.com/science/article/pii/S2211124717308598)

R. Ali et al. Isolation and characterization of a new naturally immortalized human breast carcinoma cell line, KAIMRC1. BMC Cancer, **2017**, 10.1186/s12885-017-3812-5

[read abstract](https://doi.org/10.1186/s12885-017-3812-5)

J. Wadkin et al. CD151 supports VCAM-1-mediated lymphocyte adhesion to liver endothelium and is upregulated in chronic liver disease and hepatocellular carcinoma. American Journal of Physiology-Gastrointestinal and Liver Physiology, **2017**, 10.1152/ajpgi.00411.2016

[read abstract](https://www.physiology.org/doi/abs/10.1152/ajpgi.00411.2016)

G. Liu et al. Endocytosis regulates TDP-43 toxicity and turnover. Nature Communications, **2017**, 10.1038/s41467-017-02017-x

[read abstract](https://www.nature.com/articles/s41467-017-02017-x)

C. Freese et al. Gold nanoparticle interactions with endothelial cells cultured under physiological conditions. Biomaterials Science, **2017**, 10.1039/c6bm00853d

[read abstract](http://pubs.rsc.org/en/Content/ArticleLanding/2017/BM/C6BM00853D#!divAbstract)

S. Esnault et al. Endogenous Semaphorin-7A Impedes Human Lung Fibroblast Differentiation. PLOS ONE, **2017**, 10.1371/journal.pone.0170207

[read abstract](https://dx.doi.org/10.1371/journal.pone.0170207)

N. Espagnolle, A. Balguerie, E. Arnaud, L. Sensebé and A. Varin. CD54-Mediated Interaction with Pro-inflammatory Macrophages Increases the Immunosuppressive Function of Human Mesenchymal Stromal Cells. Stem Cell Reports, **2017**, 10.1016/j.stemcr.2017.02.008

[read abstract](https://www.sciencedirect.com/science/article/pii/S2213671117300759)

J. Espana-Agusti, A. Warren, S. Chew, D. Adams and A. Matakidou. Loss of PBRM1 rescues VHL dependent replication stress to promote renal carcinogenesis. Nature Communications, **2017**, 10.1038/s41467-017-02245-1

[read abstract](https://doi.org/10.1038/s41467-017-02245-1)

M. Almedawar, S. Giebe, M. Brux, C. Brunssen and H. Morawietz. P3481Inhibition of exosomal and cellular miRNA-125b within the anti-oxidative response to cigarette smoking. European Heart Journal, **2017**, 10.1093/eurheartj/ehx504.P3481

[read abstract](https://dx.doi.org/10.1093/eurheartj/ehx504.P3481)

B. Plochberger et al. HDL particles incorporate into lipid bilayers – a combined AFM and single molecule fluorescence microscopy study. Scientific Reports, **2017**, 10.1038/s41598-017-15949-7

[read abstract](https://doi.org/10.1038/s41598-017-15949-7)

K. Schneider et al. The Inflammasome Drives GSDMD-Independent Secondary Pyroptosis and IL-1 Release in the AbsenceofCaspase-1 ProteaseActivity. Cell Reports, **2017**, 10.1016/j.celrep.2017.12.018

[read abstract](https://doi.org/10.1016/j.celrep.2017.12.018)

G. Pocock, J. Becker, C. Swanson, P. Ahlquist and N. Sherer. HIV-1 and M-PMV RNA Nuclear Export Elements Program Viral Genomes for Distinct Cytoplasmic Trafficking Behaviors. PLOS Pathog, **2016**, 10.1371/journal.ppat.1005565

[read abstract](http://journals.plos.org/plospathogens/article/asset?id=10.1371%2Fjournal.ppat.1005565.PDF)

A. Fuchs et al. Carboxyl-and amino-functionalized polystyrene nanoparticles differentially affect the polarization profile of M1 and M2 macrophage subsets. Biomaterials, **2016**, 10.1016/j.biomaterials.2016.01.064

[read abstract](https://www.sciencedirect.com/science/article/pii/S0142961216000843)

O. Evrova et al. Bioactive, Elastic, and Biodegradable Emulsion Electrospun DegraPol Tube Delivering PDGF-BB for Tendon Rupture Repair. Macromolecular Bioscience, **2016**, 10.1002/mabi.201500455

[read abstract](https://doi.org/10.1002/mabi.201500455)

N. Eyre et al. Phosphorylation of NS5A Serine-235 is essential to hepatitis C virus RNA replication and normal replication compartment formation. Virology, **2016**, 10.1016/j.virol.2016.01.018

[read abstract](https://doi.org/10.1016/j.virol.2016.01.018)

A. Wong and D. Wright. Size-Dependent Cellular Uptake of DNA Functionalized Gold Nanoparticles. Small, **2016**, 10.1002/smll.201601697

[read abstract](https://doi.org/10.1002/smll.201601697)

F. Doll et al. Visualization of Protein-Specific Glycosylation inside Living Cells. Angewandte Chemie International Edition, **2016**, 10.1002/anie.201503183

[read abstract](https://doi.org/10.1002/anie.201503183)

M.T. Revilla-Guarinos, R. Martín-García, M.A. Villar-Tajadura, M. Estravís, P. Coll and P. Pérez. Rga6 is a fission yeast Rho GAP involved in Cdc42 regulation of polarized growth. Molecular Biology of the Cell, **2016**, 10.1091/mbc.E15-12-0818

[read abstract](http://www.molbiolcell.org/cgi/doi/10.1091/mbc.E15-12-0818)

D. Millay et al. Structure–function analysis of myomaker domains required for myoblast fusion. Proceedings of the National Academy of Sciences, **2016**, 10.1073/pnas.1600101113

[read abstract](http://www.pnas.org/content/early/2016/02/04/1600101113.abstract)

P. Zapata, C. Beese, A. Jünger, G. Dalmasso, N. Brady and A. Hamacher-Brady. Time course decomposition of cell heterogeneity in TFEB signaling states reveals homeostatic mechanisms restricting the magnitude and duration of TFEB responses to mTOR activity modulation. BMC cancer, **2016**, 10.1186/s12885-016-2388-9

[read abstract](https://bmccancer.biomedcentral.com/articles/10.1186/s12885-016-2388-9)

N. Hosny et al. Direct imaging of changes in aerosol particle viscosity upon hydration and chemical aging. Chemical Science, **2016**, 10.1039/c5sc02959g

[read abstract](http://pubs.rsc.org/en/content/articlepdf/2015/sc/c5sc02959g)

C. Samardzija, R. Luwor, M. Quinn, G. Kannourakis, J. Findlay and N. Ahmed. Coalition of Oct4A and β1 integrins in facilitating metastasis in ovarian cancer. BMC cancer, **2016**, 10.1186/s12885-016-2458-z

[read abstract](https://bmccancer.biomedcentral.com/articles/10.1186/s12885-016-2458-z)

L. Martinelli, L. García-Morales, E. Querol, J. Piñol, I. Fita and B. Calisto. Structure-Guided Mutations in the Terminal Organelle Protein MG491 Cause Major Motility and Morphologic Alterations on Mycoplasma genitalium. PLOS Pathog, **2016**, 10.1371/journal.ppat.1005533

[read abstract](http://journals.plos.org/plospathogens/article?id=10.1371/journal.ppat.1005533)

L. Drujont et al. RORγt+ cells selectively express redundant cation channels linked to the Golgi apparatus. Scientific Reports, **2016**, 10.1038/srep23682

[read abstract](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4806298/)

V. Koistinen, T. Jokela, S. Oikari, R. Kärnä, M. Tammi and K. Rilla. Hyaluronan-positive plasma membrane protrusions exist on mesothelial cells in vivo. Histochemistry and Cell Biology, **2016**, 10.1007/s00418-016-1405-z

[read abstract](https://dx.doi.org/10.1007/s00418-016-1405-z)

D. Greening, H. Nguyen, K. Elgass, R. Simpson and L. Salamonsen. Human Endometrial Exosomes Contain Hormone-Specific Cargo Modulating Trophoblast Adhesive Capacity: Insights into Endometrial-Embryo Interactions. Biology of Reproduction, **2016**, 10.1095/biolreprod.115.134890

[read abstract](https://academic.oup.com/biolreprod/article/94/2/38%2C%201-15/2434419)

Y. Wang et al. Pharmacological Bypass of Cockayne Syndrome B Function in Neuronal Differentiation. Cell Reports, **2016**, 10.1016/j.celrep.2016.02.051

[read abstract](https://www.sciencedirect.com/science/article/pii/S2211124716301723)

J. Hein and J. Nilsson. Interphase APC/C-Cdc20 inhibition by cyclin A2-Cdk2 ensures efficient mitotic entry. Nat Commun, **2016**, 10.1038/ncomms10975

[read abstract](https://dx.doi.org/10.1038/ncomms10975)

K.K. Jim et al. Infection of zebrafish embryos with live fluorescent Streptococcus pneumoniae as a real-time pneumococcal meningitis model. Journal of Neuroinflammation, **2016**, 10.1186/s12974-016-0655-y

[read abstract](https://doi.org/10.1186/s12974-016-0655-y)

J. Behrens et al. Coronin 1C-free primary mouse fibroblasts exhibit robust rearrangements in the orientation of actin filaments, microtubules and intermediate filament. Journal of Ceöö Biology, **2016**, 10.1016/j.ejcb.2016.04.004

[read abstract](https://dx.doi.org/10.1016/j.ejcb.2016.04.004)

J. Huang et al. Curvature-induced expulsion of actomyosin bundles during cytokinetic ring contraction. eLife, **2016**, 10.7554/eLife.21383

[read abstract](https://doi.org/10.7554/eLife.21383.001)

A. Benn, C. Bredow, I. Casanova, S. Vukičevic and P. Knaus. VE-cadherin facilitates BMP-induced endothelial cell permeability and signaling. Journal of Cell Science, **2016**, 10.1242/jcs.179960

[read abstract](http://jcs.biologists.org/content/129/1/206)

Y. Shan et al. Scanning Ion Conductance Microscopic Study for Cellular Uptake of Cationic Conjugated Polymer Nanoparticles. Macromolecular Bioscience, **2016**, 10.1002/mabi.201500320

[read abstract](https://dx.doi.org/10.1002/mabi.201500320)

P. Bergström et al. Amyloid precursor protein expression and processing are differentially regulated during cortical neuron differentiation. Scientific Reports, **2016**, 10.1038/srep29200

[read abstract](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4935877/)

S.-. Avilov, J. Magnus, S. Cusack and N. Naffakh. Time-Resolved Visualisation of Nearly-Native Influenza A Virus Progeny Ribonucleoproteins and Their Individual Components in Live Infected Cells. PloS one, **2016**, 10.1371/journal.pone.0149986.g001

[read abstract](http://journals.plos.org/plosone/article/asset?id=10.1371%2Fjournal.pone.0149986.PDF)

A. Tukker, M. de Groot, F. Wijnolts, E. Kasteel, L. Hondebrink and R. Westerink. Is the time right for in vitro neurotoxicity testing using human iPSC-derived neurons?. ALTEX, **2016**, 10.14573/altex.1510091

[read abstract](http://www.altex.ch/resources/epub_Tukker_of_160324.pdf)

A. Özdemir, Y.D. Şimay, B. İbişoğlu, B. Yaren, D. Bülbül and M. Ark. Cardiac glycoside-induced cell death and Rho/Rho kinase pathway: Implication of different regulation in cancer cell lines. Steroids, **2016**, 10.1016/j.steroids.2016.03.015

[read abstract](https://www.sciencedirect.com/science/article/pii/S0039128X16000829)

J. Kim, Z. Lipatova, U. Majumdar and N. Segev. Regulation of Golgi Cisternal Progression by Ypt/Rab GTPases. Developmental Cell, **2016**, 10.1016/j.devcel.2016.01.016

[read abstract](https://dx.doi.org/10.1016/j.devcel.2016.01.016)

J. Desai et al. PMA and crystal-induced neutrophil extracellular trap formation involves RIPK1-RIPK3-MLKL signaling. European Journal of Immunology, **2016**, 10.1002/eji.201545605

[read abstract](https://dx.doi.org/10.1002/eji.201545605)

P. Röttgermann, K. Dawson and J. Rädler. Time-Resolved Study of Nanoparticle Induced Apoptosis Using Microfabricated Single Cell Arrays. Microarrays, **2016**, 10.3390/microarrays5020008

[read abstract](http://www.mdpi.com/2076-3905/5/2/8/htm)

L. Turnbull et al. Explosive cell lysis as a mechanism for the biogenesis of bacterial membrane vesicles and biofilms. Nat Commun, **2016**, 10.1038/ncomms11220

[read abstract](https://dx.doi.org/10.1038/ncomms11220)

M. Kaiser, S. Chalapala, C. Gorzelanny, R. Perali and F. Goycoolea. The Effect of Capsaicin Derivatives on Tight-Junction Integrity and Permeability of Madin-Darby Canine Kidney Cells. Journal of Pharmaceutical Sciences, **2016**, 10.1016/j.xphs.2015.10.017

[read abstract](https://www.sciencedirect.com/science/article/pii/S0022354915000180)

C. Meinert et al. Identification of intracellular proteins and signaling pathways in human endothelial cells regulated by angiotensin-(1–7). Journal of Proteomics, **2016**, 10.1016/j.jprot.2015.09.020

[read abstract](https://www.sciencedirect.com/science/article/pii/S1874391915301366)

I. Tzani et al. Systematic analysis of the PTEN 5′ leader identifies a major AUU initiated proteoform. Open Biology, **2016**, 10.1098/rsob.150203

[read abstract](http://rsob.royalsocietypublishing.org/content/royopenbio/6/5/150203.full.pdf)

R. Kumar, A. Hazan, A. Basu, N. Zalcman, H. Matzner and A. Priel. Tyrosine Residue in the TRPV1 Vanilloid Binding Pocket Regulates Deactivation Kinetics. The Journal of Biological Chemistry, **2016**, 10.1074/jbc.M116.726372

[read abstract](http://www.jbc.org/content/291/26/13855)

R. Kumar et al. Activation of transient receptor potential vanilloid 1 by lipoxygenase metabolites depends on PKC phosphorylation. The FASEB Journal, **2016**, 10.1096/fj.201601132R

[read abstract](https://doi.org/10.1096/fj.201601132R)

D. Dimitrov, H. Takagi, L. Guillaud, N. Saitoh, K. Eguchi and T. Takahashi. Reconstitution of Giant Mammalian Synapses in Culture for Molecular Functional and Imaging Studies. The Journal of Neuroscience, **2016**, 10.1523/JNEUROSCI.3869-15.2016

[read abstract](https://doi.org/10.1523/JNEUROSCI.3869-15.2016)

D. Poburski and R. Thierbach. Improvement of the BALB/c-3T3 cell transformation assay: a tool for investigating cancer mechanisms and therapies. Scientific Reports, **2016**, 10.1038/srep32966

[read abstract](https://www.nature.com/articles/srep32966)

N. Reimers et al. Drug-Induced Exposure of Schistosoma mansoni Antigens SmCD59a and SmKK7. PLoS neglected tropical diseases, **2015**, 10.1371/journal.pntd.0003593

M. Schosserer et al. Urine is a novel source of autologous mesenchymal stem cells for patients with epidermolysis bullosa. BMC Research Notes, **2015**, 10.1186/s13104-015-1686-7

[read abstract](https://www.biomedcentral.com/content/pdf/s13104-015-1686-7.pdf)

J. Kwiecinski. Biofilm formation by pathogenic Prototheca algae. Letters in Applied Microbiology, **2015**, 10.1111/lam.12497

[read abstract](https://onlinelibrary.wiley.com/doi/abs/10.1111/lam.12497)

F. Dahlmann et al. Analysis of Ebola Virus Entry Into Macrophages. Journal of Infectious Diseases, **2015**, 10.1093/infdis/jiv140

[read abstract](https://jid.oxfordjournals.org/content/early/2015/04/14/infdis.jiv140.abstract)

S. Choe, A. Hamacher-Brady and N. Brady. Autophagy capacity and sub-mitochondrial heterogeneity shape Bnip3-induced mitophagy regulation of apoptosis. Cell Communication and Signaling, **2015**, 10.1186/s12964-015-0115-9

[read abstract](https://biosignaling.biomedcentral.com/articles/10.1186/s12964-015-0115-9)

Z. Andrzejewska et al. Lysosomal Targeting of Cystinosin Requires AP-3. Traffic, **2015**, 10.1111/tra.12277

[read abstract](https://doi.org/10.1111/tra.12277)

M. Tollenaere et al. p38- and MK2-dependent signalling promotes stress-induced centriolar satellite remodelling via 14-3-3-dependent sequestration of CEP131/AZI1. Nat Commun, **2015**, 10.1038/ncomms10075

[read abstract](https://dx.doi.org/10.1038/ncomms10075)

B. Garfinkel, N. Melamed-Book, E. Anuka, M. Bustin and J. Orly. HP1BP3 is a novel histone H1 related protein with essential roles in viability and growth. Nucleic Acids Research, **2015**, 10.1093/nar/gkv089

[read abstract](https://nar.oxfordjournals.org/content/early/2015/02/07/nar.gkv089.abstract)

M. Nair et al. Cry Protein Crystals: A Novel Platform for Protein Delivery. PLOS One, **2015**, 10.1371/journal.pone.0127669

[read abstract](https://doi.org/10.1371/journal.pone.0127669)

E. Dvash, M. Har-Tal, S. Barak, O. Meir and M. Rubinstein. Leukotriene C4 is the major trigger of stress-induced oxidative DNA damage. Nat Commun, **2015**, 10.1038/ncomms10112

[read abstract](https://dx.doi.org/10.1038/ncomms10112)

T. Johnson, M. Henstridge, A. Herr, K. Moore, J. Whisstock and C. Warr. Torso-like mediates extracellular accumulation of Furin-cleaved Trunk to pattern the Drosophila embryo termini. Nature Communications, **2015**, 10.1038/ncomms9759

[read abstract](https://www.nature.com/articles/ncomms9759)

U. Chandrachud et al. Unbiased Cell-Based Screening in a Neuronal Cell Model of Batten Disease Highlights an Interaction Between Ca2+ Homeostasis, Autophagy, and CLN3 Function. Journal of Biological Chemistry, **2015**, 10.1074/jbc.M114.621706

[read abstract](http://www.jbc.org/content/early/2015/04/15/jbc.M114.621706.abstract)

C. Brennenstuhl et al. Targeted ablation of Pde6h in mice reveals cross-species differences in cone and rod phototransduction protein inventory. Journal of Biological Chemistry, **2015**, 10.1074/jbc.M114.611921

[read abstract](http://www.jbc.org/content/early/2015/03/04/jbc.M114.611921.abstract)

J. Benada, K. Burdová, T. Lidak, P. von Morgen and L. Macurek. Polo-like kinase 1 inhibits DNA damage response during mitosis. Cell Cycle, **2015**, 10.4161/15384101.2014.977067

[read abstract](https://www.tandfonline.com/doi/full/10.4161/15384101.2014.977067)

B. Vitre et al. Chronic centrosome amplification without tumorigenesis. Proceedings of the National Academy of Sciences, **2015**, 10.1073/pnas.1519388112

[read abstract](http://www.pnas.org/content/112/46/E6321.full.pdf)

P. Rooney, A. Srivastava, L. Watson, L. Quinlan and A. Pandit. Hyaluronic acid decreases IL-6 and IL-8 secretion and permeability in an inflammatory model of interstitial cystitis. Acta Biomaterialia, **2015**, 10.1016/j.actbio.2015.02.030

[read abstract](https://www.sciencedirect.com/science/article/pii/S1742706115001130)

D. Yang, A. Turner, A. Wijenayaka, P. Anderson, H. Morris and G. Atkins. 1,25-Dihydroxyvitamin D3 and extracellular calcium promote mineral deposition via NPP1 activity in a mature osteoblast cell line MLO-A5. Molecular and Cellular Endocrinology, **2015**, 10.1016/j.mce.2015.06.005

[read abstract](https://www.sciencedirect.com/science/article/pii/S0303720715003123)

Y.N. Lin et al. Drosophila homologue of Diaphanous 1 (DIAPH1) controls the metastatic potential of colon cancer cells by regulating microtubule-dependent adhesion. Oncotarget, **2015**, 10.18632/oncotarget.4094

[read abstract](https://www.ncbi.nlm.nih.gov/pubmed/26124177)

M. Elsner, H. Herold, S. Müller-Herrmann, H. Bargel and T. Scheibel. Enhanced cellular uptake of engineered spider silk particles. Biomaterials Science, **2015**, 10.1039/C4BM00401A

[read abstract](http://pubs.rsc.org/en/content/articlehtml/2015/bm/c4bm00401a)

J. Cortés et al. Cooperation between Paxillin-like Protein Pxl1 and Glucan Synthase Bgs1 Is Essential for Actomyosin Ring Stability and Septum Formation in Fission Yeast. PLoS Genet, **2015**, 10.1371/journal.pgen.1005358

[read abstract](http://www.plosgenetics.org/article/fetchObject.action?uri=info:doi/10.1371/journal.pgen.1005358&representation=PDF)

R. Rastetter et al. Coronin 2A (CRN5) expression is associated with colorectal adenoma-adenocarcinoma sequence and oncogenic signalling. BMC Cancer, **2015**, 10.1186/s12885-015-1645-7

[read abstract](https://doi.org/10.1186/s12885-015-1645-7)

J. Zhou, L. Yang, T. Zhong, M. Mueller, Y. Men and N. Zhang. H19 lncRNA alters DNA methylation genome wide by regulating S-adenosylhomocysteine hydrolase. Nat Commun, **2015**, 10.1038/ncomms10221

[read abstract](https://dx.doi.org/10.1038/ncomms10221)

S. Freeman et al. Toll-like receptor ligands sensitize B-cell receptor signalling by reducing actin-dependent spatial confinement of the receptor. Nat Commun, **2015**, 10.1038/ncomms7168

[read abstract](https://dx.doi.org/10.1038/ncomms7168)

A. Hamacher-Brady and N. Brady. Bax/Bak-dependent, Drp1-independent targeting of X-linked inhibitor of apoptosis protein (XIAP) into inner mitochondrial compartments counteracts Smac/DIABLO-dependent effector caspase activation. Journal of Biological Chemistry, **2015**, 10.1074/jbc.M115.643064

[read abstract](http://www.jbc.org/content/290/36/22005.short)

M. Panic, S. Hata, A. Neuner and E. Schiebel. The Centrosomal Linker and Microtubules Provide Dual Levels of Spatial Coordination of Centrosomes. PLOS Genetics, **2015**, 10.1371/journal.pgen.1005243

[read abstract](https://doi.org/10.1371/journal.pgen.1005243)

N. Irie et al. SOX17 Is a Critical Specifier of Human Primordial Germ Cell Fate. Cell, **2015**, 10.1016/j.cell.2014.12.013

[read abstract](https://dx.doi.org/10.1016/j.cell.2014.12.013)

B. Etemad, T. Kuijt and G. Kops. Kinetochore-microtubule attachment is sufficient to satisfy the human spindle assembly checkpoint. Nat Commun, **2015**, 10.1038/ncomms9987

[read abstract](https://dx.doi.org/10.1038/ncomms9987)

Y. Lei, W.D. Stamer, J. Wu and X. Sun. Endothelial Nitric Oxide Synthase–Related Mechanotransduction Changes in Aged Porcine Angular Aqueous Plexus Cells. Investigative Ophthalmology and Visual Science, **2014**, 10.1167/iovs.14-14992

[read abstract](http://iovs.arvojournals.org/article.aspx?articleid=2212708)

N. Hofmann et al. TRPV1 mediates cellular uptake of anandamide and thus promotes endothelial cell proliferation and network-formation. Biology open, **2014**, 10.1242/bio.20149571

[read abstract](http://bio.biologists.org/content/early/2014/10/31/bio.20149571.short)

G. Stölting et al. Direct Interaction of CaVbeta with Actin Up-regulates L-type Calcium Currents in HL-1 Cardiomyocytes. Journal of Biological Chemistry, **2014**, 10.1074/jbc.M114.573956

[read abstract](http://www.jbc.org/content/early/2014/12/22/jbc.M114.573956.abstract)

A. Pollitt et al. Syk and Src Family Kinases Regulate C-type Lectin Receptor 2 (CLEC-2)-mediated Clustering of Podoplanin and Platelet Adhesion to Lymphatic Endothelial Cells. Journal of Biological Chemistry, **2014**, 10.1074/jbc.M114.584284

[read abstract](http://www.jbc.org/content/289/52/35695.abstract)

Y. Cao, M. Roursgaard, P. Danielsen, P. Møller and S. Loft. Carbon Black Nanoparticles Promote Endothelial Activation and Lipid Accumulation in Macrophages Independently of Intracellular ROS Production. PLOS One, **2014**, 10.1371/journal.pone.0106711

[read abstract](https://doi.org/10.1371/journal.pone.0106711)

Y. Cao, M. Roursgaard, A. Kermanizadeh, S. Loft and P. Møller. Synergistic Effects of Zinc Oxide Nanoparticles and Fatty Acids on Toxicity to Caco-2 Cells. International Journal of Toxicology, **2014**, 10.1177/1091581814560032

[read abstract](http://journals.sagepub.com/doi/abs/10.1177/1091581814560032)

Y. Dondelinger et al. MLKL Compromises Plasma Membrane Integrity by Binding to Phosphatidylinositol Phosphates. Cell Reports, **2014**, 10.1016/j.celrep.2014.04.026

[read abstract](http://www.cell.com/cell-reports/abstract/S2211-1247%2814%2900328-3?_returnURL=http%3A%2F%2Flinkinghub.elsevier.com%2Fretrieve%2Fpii%2FS2211124714003283%3Fshowall%3Dtrue?_returnURL=http%3A%2F%2Flinkinghub.elsevier.com%2Fretrieve%2Fpii%2FS2211124714003283%3Fsh)

S. van den Brink et al. Symmetry breaking, germ layer specification and axial organisation in aggregates of mouse embryonic stem cells. Development, **2014**, 10.1242/dev.113001

[read abstract](http://dev.biologists.org/content/141/22/4231.full)

J. Li et al. DOC2 isoforms play dual roles in insulin secretion and insulin-stimulated glucose uptake. Diabetologia, **2014**, 10.1007/s00125-014-3312-y

[read abstract](https://doi.org/10.1007/s00125-014-3312-y)

S. Muñoz, E. Manjón and Y. Sánchez. The putative exchange factor Gef3p interacts with Rho3p GTPase and the septin ring during cytokinesis in fission yeast. Journal of Biological Chemistry, **2014**, 10.1074/jbc.M114.548792

[read abstract](http://sigtrans.jbc.org/content/jbc/early/2014/06/19/jbc.M114.548792.full.pdf)

J.K. Millet and G. Whittaker. Host cell entry of Middle East respiratory syndrome coronavirus after two-step, furin-mediated activation of the spike protein. PNAS, **2014**, 10.1073/pnas.1407087111

[read abstract](https://doi.org/10.1073/pnas.1407087111)

R. Fenollosa et al. Silicon particles as trojan horses for potential cancer therapy. Journal of nanobiotechnology, **2014**, 10.1186/s12951-014-0035-7

[read abstract](https://www.biomedcentral.com/content/pdf/s12951-014-0035-7.pdf)

M. Jarzebski, T. Sliwa, M. Jarzebska and K. Szutkowski. Fabrication Of Size-Tunable Silica Particles During Seed-Growth Process. Current Topics in Biophysics, **2014**, 10.2478/ctb-2014-0072

[read abstract](http://www.staff.amu.edu.pl/~ctbo/issue37/v37_35.pdf)

J. Bosse et al. Nuclear Herpesvirus Capsid Motility Is Not Dependent on F-Actin. mBio, **2014**, 10.1128/mBio.01909-14

[read abstract](http://mbio.asm.org/content/5/5/e01909-14.full.pdf%2Bhtml)

V. Kolossov et al. Inhibition of glutathione synthesis distinctly alters mitochondrial and cytosolic redox poise. Experimental Biology and Medicine, **2014**, 10.1177/1535370214522179

[read abstract](http://journals.sagepub.com/doi/abs/10.1177/1535370214522179)

A. Arjonen et al. Mutant p53–associated myosin-X upregulation promotes breast cancer invasion and metastasis. The Journal of clinical investigation, **2014**, 10.1172/JCI67280

[read abstract](https://www.jci.org/articles/view/67280?key=d825f4edfaca163d9ebe)

V. Gasperi et al. Regulation of inflammation and proliferation of human bladder carcinoma cells by type-1 and type-2 cannabinoid receptors. Life Science, **2014**, 10.1016/j.lfs.2014.09.031

[read abstract](https://www.sciencedirect.com/science/article/pii/S0024320514008236)

R. Ferrari et al. Integrated multiplatform method for in vitro quantitative assessment of cellular uptake for fluorescent polymer nanoparticles. Nanotechnology, **2014**, 10.1088/0957-4484/25/4/045102

[read abstract](http://iopscience.iop.org/0957-4484/25/4/045102)

A. Cerrada, P. de la Torre, J. Grande, T. Haller, A. Flores and J. Pérez-Gil. Human Decidua-Derived Mesenchymal Stem Cells Differentiate into Functional Alveolar Type II-Like Cells that Synthesize and Secrete Pulmonary Surfactant Complexes. PLOS ONE, **2014**, 10.1371/journal.pone.0110195

[read abstract](http://www.plosone.org/article/info%3Adoi/10.1371/journal.pone.0110195#pone-0110195-g007)

D. Waschbüsch et al. LRRK2 Transport Is Regulated by Its Novel Interacting Partner Rab32. PloS one, **2014**, 10.1371/journal.pone.0111632

[read abstract](http://www.plosone.org/article/info%3Adoi/10.1371/journal.pone.0111632)

M. Clement et al. CD31 is a key coinhibitory receptor in the development of immunogenic dendritic cells. Proceedings of the National Academy of Sciences, **2014**, 10.1073/pnas.1314505111

[read abstract](http://www.pnas.org/content/early/2014/03/05/1314505111.short)

M. Lie-A-Ling et al. RUNX1 positively regulates a cell adhesion and migration program in murine hemogenic endothelium prior to blood emergence. Blood, **2014**, 10.1182/blood-2014-04-572958

[read abstract](https://doi.org/10.1182/blood-2014-04-572958)

X. Hu, X. Li, M. Zhao, A. Gottesdiener, W. Luo and S. Paul. Tau pathogenesis is promoted by A-beta-1-42 but not A-beta-1-40. Molecular neurodegeneration, **2014**, 10.1186/1750-1326-9-52

[read abstract](http://www.molecularneurodegeneration.com/content/pdf/1750-1326-9-52.pdf)

E. Perez-de-Nanclares-Arregi and O. Etxebeste. Photo-convertible tagging for localization and dynamic analyses of low-expression proteins in filamentous fungi. Fungal Genetics and Biology, **2014**, 10.1016/j.fgb.2014.06.006

[read abstract](https://www.sciencedirect.com/science/article/pii/S1087184514001091)

A. Kermanizadeh et al. Hepatic toxicology following single and multiple exposure of engineered nanomaterials utilising a novel primary human 3D liver microtissue model. Particle and fibre toxicology, **2014**, 10.1186/s12989-014-0056-2

[read abstract](https://www.biomedcentral.com/content/pdf/s12989-014-0056-2.pdf)

Y. Chang et al. Arecoline-induced myofibroblast transdifferentiation from human buccal mucosal fibroblasts is mediated by ZEB1. Journal of Cellular and Molecular Medicine, **2014**, 10.1111/jcmm.12219

[read abstract](http://onlinelibrary.wiley.com/doi/10.1111/jcmm.12219/full)

E. Aihara et al. Motility and Chemotaxis Mediate the Preferential Colonization of Gastric Injury Sites by Helicobacter pylori. PLoS pathogens, **2014**, 10.1371/journal.ppat.1004275

[read abstract](http://www.plospathogens.org/article/fetchObject.action?uri=info:doi/10.1371/journal.ppat.1004275&representation=PDF)

A. Späte, H. Bußkamp, A. Niederwieser, V. Schart, A. Marx and V. Wittmann. Rapid Labeling of Metabolically Engineered Cell-Surface Glycoconjugates with a Carbamate-Linked Cyclopropene Reporter. Bioconjugate Chemistry, **2014**, 10.1021/bc4004487

[read abstract](https://dx.doi.org/10.1021/bc4004487)

S. Chaterji, C. Lam, D. Ho, D. Proske and A. Baker. Syndecan-1 Regulates Vascular Smooth Muscle Cell Phenotype. PloS one, **2014**, 10.1371/journal.pone.0089824

[read abstract](http://www.plosone.org/article/info%3Adoi/10.1371/journal.pone.0089824#pone-0089824-g009)

C. Cordier et al. Delivery of Antisense Peptide Nucleic Acids to Cells by Conjugation with Small Arginine-Rich Cell-Penetrating Peptide (R/W) 9. PloS one, **2014**, 10.1371/journal.pone.0104999

[read abstract](http://www.plosone.org/article/info%3Adoi/10.1371/journal.pone.0104999)

J. Eltit, C. Franzini-Armstrong and C. Perez. Amino Acid Residues 489-503 of Dihydropyridine Receptor (DHPR) beta-1a Subunit Are Critical for Structural Communication Between the Skeletal Muscle DHPR complex and Type-1 Ryanodine Receptor. Journal of Biological Chemistry, **2014**, 10.1074/jbc.M114.615526

[read abstract](http://www.jbc.org/content/early/2014/11/10/jbc.M114.615526.abstract)

E. Aleyd et al. IgA Enhances NETosis and Release of Neutrophil Extracellular Traps by Polymorphonuclear Cells via Fcalpha Receptor I. The Journal of Immunology, **2014**, 10.4049/jimmunol.1300261

[read abstract](http://www.jimmunol.org/content/early/2014/01/31/jimmunol.1300261.short)

M. Hiramitsu et al. Eriocitrin ameliorates diet-induced hepatic steatosis with activation of mitochondrial biogenesis. Scientific reports, **2014**, 10.1038/srep03708

[read abstract](https://www.nature.com/srep/2014/140115/srep03708/full/srep03708.html)

S. Lee, L. Mortensen, C. Lin and C. Tung. An authentic imaging probe to track cell fate from beginning to end. Nat Commun, **2014**, 10.1038/ncomms6216

[read abstract](https://dx.doi.org/10.1038/ncomms6216)

S. Baertschi, N. Baur, V. Lueders-Lefevre, J. Voshol and H. Keller. Class I and IIa Histone Deacetylases Have Opposite Effects on Sclerostin Gene Regulation. Journal of Biological Chemistry, **2014**, 10.1074/jbc.M114.564997

[read abstract](http://www.jbc.org/content/early/2014/07/10/jbc.M114.564997.abstract)

M. Aligeti et al. Cooperativity among Rev-Associated Nuclear Export Signals Regulates HIV-1 Gene Expression and Is a Determinant of Virus Species Tropism. Journal of Virology, **2014**, 10.1128/JVI.01897-14

[read abstract](https://doi.org/10.1128/JVI.01897-14)

J. Bain, J. Louw, L. Lewis, B. Okai, C. Walls and E. Ballou. Candida albicans Hypha Formation and Mannan Masking of beta-Glucan Inhibit Macrophage Phagosome Maturation. mBio, **2014**, 10.1128/mBio.01874-14

[read abstract](http://mbio.asm.org/content/5/6/e01874-14.short)

T. Bald et al. Ultraviolet-radiation-induced inflammation promotes angiotropism and metastasis in melanoma. Nature, **2014**, 10.1038/nature13111

[read abstract](https://www.nature.com/nature/journal/vaop/ncurrent/full/nature13111.html?WT.ec_id=NATURE-20140227)

M. Menhofer et al. The Actin Targeting Compound Chondramide Inhibits Breast Cancer Metastasis via Reduction of Cellular Contractility. PloS one, **2014**, 10.1371/journal.pone.0112542

[read abstract](http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0112542)

S. Irtegun et al. A Biosensor of Src Family Kinase Conformation by Exposable Tetracysteine Useful for Cell-Based Screening. ACS Chemical Biology, **2014**, 10.1021/cb500242q

[read abstract](http://pubs.acs.org/doi/abs/10.1021/cb500242q)

T. Kirchner et al. Flavonoids and 5-Aminosalicylic Acid Inhibit the Formation of Neutrophil Extracellular Traps. Mediators of Inflammation, **2013**, 10.1155/2013/710239

[read abstract](http://www.hindawi.com/journals/mi/2013/710239/abs/)

M. Álvarez-Fernández et al. Greatwall is essential to prevent mitotic collapse after nuclear envelope breakdown in mammals. Proceedings of the National Academy of Sciences, **2013**, 10.1073/pnas.1310745110

M. Cherniavsky-Lev, O. Golani, S. Karlish and H. Garty. Ouabain-Induced Internalization and Lysosomal Degradation of the Na+/K+ ATPase. Journal of Biological Chemistry, **2013**, 10.1074/jbc.M113.517003

[read abstract](http://www.jbc.org/content/early/2013/11/25/jbc.M113.517003.short)

D. Loessner, S. Kobel, J. Clements, M. Lutolf and D. Hutmacher. Hydrogel Microwell Arrays Allow the Assessment of Protease-Associated Enhancement of Cancer Cell Aggregation and Survival. Microarrays, **2013**, 10.3390/microarrays2030208

[read abstract](http://www.mdpi.com/2076-3905/2/3/208)

R. Sachse, D. Wüstenhagen, M. Šamalíková, M. Gerrits, F. Bier and S. Kubick. Synthesis of membrane proteins in eukaryotic cell-free systems. Engineering in Life Sciences, **2013**, 10.1002/elsc.201100235

[read abstract](http://onlinelibrary.wiley.com/doi/10.1002/elsc.201100235/abstract;jsessionid=EA718F7F7002FA4DF5FF389289C9E36F.f01t04?deniedAccessCustomisedMessage=&userIsAuthenticated=false)

K. Bannik et al. Are mouse lens epithelial cells more sensitive to gamma-irradiation than lymphocytes?. Radiation and environmental biophysics, **2013**, 10.1007/s00411-012-0451-8

[read abstract](https://link.springer.com/article/10.1007/s00411-012-0451-8)

B. Holmes et al. Heparan sulfate proteoglycans mediate internalization and propagation of specific proteopathic seeds. Proceedings of the National Academy of Sciences, **2013**, 10.1073/pnas.1301440110

[read abstract](https://doi.org/10.1073/pnas.1301440110)

H. Yu et al. The efficiency of Vpx-mediated SAMHD1 antagonism does not correlate with the potency of viral control in HIV-2-infected individuals. Retrovirology, **2013**, 10.1186/1742-4690-10-27

[read abstract](https://www.biomedcentral.com/content/pdf/1742-4690-10-27.pdf)

A. Fatehullah, P. Appleton and I. Näthke. Cell and tissue polarity in the intestinal tract during tumourigenesis: cells still know the right way up, but tissue organization is lost. Philosophical Transactions of the Royal Society B: Biological Sciences, **2013**, 10.1038/ncb433

[read abstract](https://doi.org/10.1098/rstb.2013.0014)

M. Hornburger et al. A novel role for inhibitor of apoptosis (IAP) proteins as regulators of endothelial barrier function by mediating RhoA activation. The FASEB Journal, **2013**, 10.1096/fj.13-235754

[read abstract](http://www.fasebj.org/doi/abs/10.1096/fj.13-235754)

H. Döppler, L. Bastea, L. Lewis-Tuffin, P. Anastasiadis and P. Storz. Protein kinase D1-mediated phosphorylations regulate vasodilator-stimulated phosphoprotein (VASP) localization and cell migration. Journal of Biological Chemistry, **2013**, 10.1074/jbc.M113.474676

[read abstract](http://www.jbc.org/content/288/34/24382.short)

A. Boratkó and C. Csortos. NHERF2 is crucial in ERM phosphorylation in pulmonary endothelial cells. Cell Communication and Signaling, **2013**, 10.1186/1478-811X-11-99

[read abstract](http://www.biosignaling.com/content/11/1/99/abstract)

M. Sung, J. Mun, O. Kwon, K. Kwon and D. Oh. Efficient myogenic differentiation of human adipose-derived stem cells by the transduction of engineered MyoD protein. Biochemical and biophysical research communications, **2013**, 10.1016/j.bbrc.2013.06.058

[read abstract](https://www.sciencedirect.com/science/article/pii/S0006291X13010450)

K. Rilla et al. Hyaluronan synthase 1 (HAS1) requires higher cellular UDP-GlcNAc concentration than HAS2 and HAS3. Journal of Biological Chemistry, **2013**, 10.1074/jbc.M112.443879

[read abstract](http://www.jbc.org/content/early/2013/01/09/jbc.M112.443879.short)

F. Ferranti et al. TCam-2 seminoma cells exposed to egg-derived microenvironment modify their shape, adhesive pattern and migratory behaviour: a molecular and morphometric analysis. PloS one, **2013**, 10.1371/journal.pone.0076192

[read abstract](http://www.plosone.org/article/info%3Adoi/10.1371/journal.pone.0076192#pone-0076192-g011)

J. Beck and F. Ebel. Characterization of the major Woronin body protein HexA of the human pathogenic mold Aspergillus fumigatus. International Journal of Medical Microbiology, **2013**, org/10.1016/j.ijmm.2012.11.005

[read abstract](https://www.sciencedirect.com/science/article/pii/S1438422112000914)

J. Trott, D. Turner and P. Hayward. An interplay between extracellular signalling and the dynamics of. bioRxiv, **2013**, 10.1102/000653

[read abstract](https://www.biorxiv.org/content/biorxiv/early/2013/11/21/000653.full.pdf)

A. Augspach et al. Activation of RhoA, B, C by Yersinia Cytotoxic Necrotizing Factor (CNFy) Induces Apoptosis in LNCaP Prostate Cancer Cells. Toxins, **2013**, 10.3390/toxins5112241

[read abstract](http://www.mdpi.com/2072-6651/5/11/2241/pdf)

J. McAuley et al. Activation of the NLRP3 inflammasome by IAV virulence protein PB1-F2 contributes to severe pathophysiology and disease. PLoS pathogens, **2013**, 10.1371/journal.ppat.1003392

[read abstract](http://www.plospathogens.org/article/info%3Adoi/10.1371/journal.ppat.1003392)

S. Corall, T. Haraszti, T. Bartoschik, J. Spatz, T. Ludwig and E. Cavalcanti-Adam. a 5 b 1-integrin and MT1-MMP promote tumor cell migration in 2D but not in 3D fibronectin microenvironments. Computational Mechanics, **2013**, 10.1007/s00466-013-0960-6

[read abstract](https://link.springer.com/article/10.1007/s00466-013-0960-6)

N.J. Foy, M. Akhrymuk, A.V. Shustov, E.I. Frolova and I. Frolov. Hypervariable Domain of Nonstructural Protein nsP3 of Venezuelan Equine Encephalitis Virus Determines Cell-Specific Mode of Virus Replication. Journal of Virology, **2013**, 10.1128/jvi.00720-13

[read abstract](http://jvi.asm.org/content/87/13/7569.abstract)

D. Turner, J. Trott and P. Hayward. An interplay between extracellular signalling and the dynamics of the exit from pluripotency drives cell fate decisions in mouse ES cells. bioRxiv, **2013**, 10.1101/000653

[read abstract](https://www.biorxiv.org/content/biorxiv/early/2014/01/30/000653.full.pdf)

A. Niederwieser, A. Späte, L. Nguyen, C. Jüngst, W. Reutter and V. Wittmann. Two-Color Glycan Labeling of Live Cells by a Combination of Diels–Alder and Click Chemistry. Angewandte Chemie International Edition, **2013**, 10.1002/anie.201208991

[read abstract](https://dx.doi.org/10.1002/anie.201208991)

P. Pinheiro, C. Sousa, J. Araújo, A. Guiomar and T. Trindade. Functionalization of nickel nanowires with a fluorophore aiming at new probes for multimodal bioanalysis. Journal of colloid and interface science, **2013**, 10.1016/j.jcis.2013.07.065

[read abstract](https://www.sciencedirect.com/science/article/pii/S0021979713007285)

O. Glinskii, V. Huxley, V. Glinskii, L. Rubin and V. Glinsky. Pulsed Estrogen Therapy Prevents Post-OVX Porcine Dura Mater Microvascular Network Weakening via a PDGF-BB-Dependent Mechanism. PLOS ONE, **2013**, 10.1371/journal.pone.0082900.g001

[read abstract](http://www.plosone.org/article/info%3Adoi/10.1371/journal.pone.0082900)

W. Chen et al. Automated quantitative analysis of lipid accumulation and hydrolysis in living macrophages with label-free imaging. Analytical and bioanalytical chemistry, **2013**, 10.1007/s00216-013-7251-0

[read abstract](https://link.springer.com/article/10.1007/s00216-013-7251-0#page-1)

H. Cui et al. Prion Infection Impairs Cholesterol Metabolism in Neuronal Cells. Journal of Biological Chemistry, **2013**, 10.1074/jbc.M113.535807

[read abstract](http://www.jbc.org/content/early/2013/11/26/jbc.M113.535807.short)

O. Etxebeste, M. Villarino, A. Markina-Iñarrairaegui, L. Araújo-Bazán and E. Espeso. Cytoplasmic Dynamics of the General Nuclear Import Machinery in Apically Growing Syncytial Cells. PloS one, **2013**, 10.1371/journal.pone.0085076

[read abstract](http://www.plosone.org/article/info%3Adoi/10.1371/journal.pone.0085076)

T. Poeschinger, A. Renner, T. Weber and W. Scheuer. Bioluminescence Imaging Correlates with Tumor Serum Marker, Organ Weights, Histology, and Human DNA Levels during Treatment of Orthotopic Tumor Xenografts with Antibodies. Molecular Imaging and Biology, **2012**, 10.1007/s11307-012-0559-x

[read abstract](https://link.springer.com/article/10.1007/s11307-012-0559-x?LI=true)

H.J. Kang, Y.J. Kang, Y.M. Lee, H.H. Shin, S.J. Chung and S. Kang. Developing an antibody-binding protein cage as a molecular recognition drug modular nanoplatform. Biomaterials, **2012**, 10.1016/j.biomaterials.2012.03.055

[read abstract](https://www.sciencedirect.com/science/article/pii/S0142961212003547)

M. Rytinki, S. Kaikkonen, P. Sutinen, V. Paakinaho, V. Rahkama and J. Palvimo. Dynamic SUMOylation is linked to the activity cycles of androgen receptor in the cell nucleus. Molecular and Cellular Biology, **2012**, 10.1128/MCB.00753-12

[read abstract](https://doi.org/10.1128/MCB.00753-12)

K. Stirnnagel et al. Differential pH-dependent cellular uptake pathways among foamy viruses elucidated using dual-colored fluorescent particles. Retrovirology, **2012**, 10.1186/1742-4690-9-71

[read abstract](http://www.retrovirology.com/content/9/1/71)

A. Mescola et al. Probing cytoskeleton organisation of neuroblastoma cells with singleâ€cell force spectroscopy. Journal of Molecular Recognition, **2012**, 10.1002/jmr.2173

[read abstract](http://onlinelibrary.wiley.com/doi/10.1002/jmr.2173/abstract?deniedAccessCustomisedMessage=&userIsAuthenticated=false)

M. Mesel-Lemoine et al. A Human Coronavirus Responsible for the Common Cold Massively Kills Dendritic Cells but Not Monocytes. Journal of Virology, **2012**, 10.1128/JVI.00269-12

[read abstract](https://doi.org/10.1128/JVI.00269-12)

S. Usmani et al. Molecular basis of early epithelial response to streptococcal exotoxin: role of STIM1 and Orai1 proteins. Cellular Microbiology, **2012**, 10.1111/j.1462-5822.2011.01724.x

[read abstract](http://onlinelibrary.wiley.com/doi/10.1111/j.1462-5822.2011.01724.x/abstract?deniedAccessCustomisedMessage=&userIsAuthenticated=false)

L.C. Gomes-da-Silva et al. Towards a siRNA-containing nanoparticle targeted to breast cancer cells and the tumor microenvironment. International Journal of Pharmaceutics, **2012**, 10.1016/j.ijpharm.2012.05.018

[read abstract](https://www.sciencedirect.com/science/article/pii/S0378517312005029)

H.S. Park, J.E. Lee, M.Y. Cho, J.H. Hong, S.H. Cho and Y.T. Lim. Hyaluronic Acid/Poly (beta-Amino Ester) Polymer Nanogels for Cancer-Cell-Specific NIR Fluorescence Switch. Macromolecular Rapid Communications, **2012**, 10.1002/marc.201200246

[read abstract](http://onlinelibrary.wiley.com/doi/10.1002/marc.201200246/abstract?deniedAccessCustomisedMessage=&userIsAuthenticated=false)

O. Maniti, E. Blanchard, G. Trugnan, A. Lamaziere and J. Ayala-Sanmartin. Metabolic energy-independent mechanism of internalization for the cell penetrating peptide penetratin. The International Journal of Biochemistry & Cell Biology, **2012**, 10.1016/j.biocel.2012.02.010

[read abstract](https://www.sciencedirect.com/science/article/pii/S1357272512000660)

K. Zylbersztejn et al. The vesicular SNARE Synaptobrevin is required for Semaphorin 3A axonal repulsion. J. Cell Biol., **2012**, 10.1083/jcb.201106113

[read abstract](http://jcb.rupress.org/cgi/content/abstract/196/1/37)

J.H. Bannon, D.S. O'Donovan, S.M. Kennelly and M.M. Mc Gee. The peptidyl prolyl isomerase cyclophilin A localizes at the centrosome and the midbody and is required for cytokinesis. Cell Cycle, **2012**, 10.4161/cc.19711

[read abstract](http://www.landesbioscience.com/journals/cc/article/19711/)

J.M. Dabrowski et al. Combined effects of singlet oxygen and hydroxyl radical in photodynamic therapy with photostable bacteriochlorins: Evidence from intracellular fluorescence and increased photodynamic efficacy in vitro. Free Radical Biology and Medicine, **2012**, 10.1016/j.freeradbiomed.2011.12.027

[read abstract](https://www.sciencedirect.com/science/article/pii/S0891584912000044)

V. Reiter et al. The CDK5 repressor CDK5RAP1 is a methylthiotransferase acting on nuclear and mitochondrial RNA. Nucleic Acids Research, **2012**, 10.1093/nar/gks240

[read abstract](https://nar.oxfordjournals.org/content/40/13/6235.short)

A. Cam and E.G. de Mejia. RGD-peptide lunasin inhibits Aktâ€mediated NF-kB activation in human macrophages through interaction with the alpaVbetha3 integrin. Molecular Nutrition & Food Research, **2012**, 10.1002/mnfr.201200301

[read abstract](http://onlinelibrary.wiley.com/doi/10.1002/mnfr.201200301/abstract?deniedAccessCustomisedMessage=&userIsAuthenticated=false)

A.M. Dolga et al. Activation of KCNN3/SK3/KCa2. 3 channels attenuates enhanced calcium influx and inflammatory cytokine production in activated microglia. Glia, **2012**, 10.1002/glia.22419

[read abstract](http://onlinelibrary.wiley.com/doi/10.1002/glia.22419/abstract?deniedAccessCustomisedMessage=&userIsAuthenticated=false)

A. Marcilla et al. Extracellular Vesicles from Parasitic Helminths Contain Specific Excretory/Secretory Proteins and Are Internalized in Intestinal Host Cells. PLoS ONE, **2012**, 10.1371/journal.pone.0045974

[read abstract](http://www.plosone.org/article/info%3Adoi/10.1371/journal.pone.0045974)

L. Karygianni et al. Microscope-Based Imaging Platform for Large-Scale Analysis of Oral Biofilms. Applied and Environmental Microbiology, **2012**, 10.1128/AEM.02416-12

[read abstract](http://aem.asm.org/content/78/24/8703.short)

J. Kasper et al. Interactions of silica nanoparticles with lung epithelial cells and the association to flotillins. Archives of Toxicology, **2012**, 10.1007/s00204-012-0876-5

[read abstract](https://link.springer.com/article/10.1007/s00204-012-0876-5?LI=true#page-1)

J. Kasper et al. Flotillin-involved uptake of silica nanoparticles and responses of an alveolar capillary barrier in vitro. European journal of pharmaceutics and biopharmaceutics: official journal of Arbeitsgemeinschaft fur Pharmazeutische Verfahrenstechnik eV, **2012**, 10.1016/j.ejpb.2012.10.011

[read abstract](https://www.sciencedirect.com/science/article/pii/S0939641112003372)

A.S. Klymchenko et al. Highly lipophilic fluorescent dyes in nano-emulsions: towards bright non-leaking nano-droplets. RSC Advances, **2012**, 10.1039/C2RA21544F

[read abstract](http://pubs.rsc.org/en/content/articlelanding/2012/ra/c2ra21544f/unauth)

M. Knyazhitsky, E. Moas, E. Shaginov, A. Luria and A. Braiman. Vav1 Oncogenic Mutation Inhibits T Cell Receptor-induced Calcium Mobilization through Inhibition of Phospholipase Cy1 Activation. Journal of Biological Chemistry, **2012**, 10.1074/jbc.M111.309799

[read abstract](http://www.jbc.org/content/287/23/19725.short)

A. Anielski, E.K.B. Pfannes and C. Beta. Cell shape recognition and segmentation in fluorescence microscopy images. Journal of Computational Interdisciplinary Sciences, **2012**, 10.6062/jcis.2012.03.02.0055

[read abstract](http://epacis.net/jcis/PDF_JCIS/JCIS11-art.55.pdf)

P. Dandekar et al. Cellular delivery of polynucleotides by cationic cyclodextrin polyrotaxanes. Journal of Controlled Release, **2012**, 10.1016/j.jconrel.2012.06.040

[read abstract](https://www.sciencedirect.com/science/article/pii/S0168365912005408)

S.R. Bond, N. Wang, L. Leybaert and C.C. Naus. Pannexin 1 Ohnologs in the Teleost Lineage. Journal of Membrane Biology, **2012**, 10.1007/s00232-012-9497-4

[read abstract](https://link.springer.com/article/10.1007/s00232-012-9497-4?LI=true)

M.A. D'Angelo, J.S. Gomez-Cavazos, A. Mei, D.H. Lackner and M.W. Hetzer. A change in nuclear pore complex composition regulates cell differentiation. Developmental Cell, **2012**, 10.1016/j.devcel.2011.11.021

[read abstract](https://www.sciencedirect.com/science/article/pii/S1534580711005314)

M.R. Katika, P.J.M. Hendriksen, N.C.A. De Ruijter, H. van Loveren and A. Peijnenburg. Immunocytological and biochemical analysis of the mode of action of bis (tri-n-butyltin) tri-oxide (TBTO) in Jurkat cells. Toxicology letters, **2012**, 10.1016/j.toxlet.2012.05.010

[read abstract](https://www.sciencedirect.com/science/article/pii/S0378427412011265)

R.P. Carney, T.M. Carney, M. Mueller and F. Stellacci. Dynamic Cellular Uptake of Mixed-Monolayer Protected Nanoparticles. Biointerphases, **2012**, 10.1007/s13758-011-0017-3

[read abstract](https://doi.org/10.1007/s13758-011-0017-3)

M. Murata et al. Liver cell specific targeting by the preS1 domain of hepatitis B virus surface antigen displayed on protein nanocages. International Journal of Nanomedicine, **2012**, 10.2147/IJN.S31365

[read abstract](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3420599/)

L.I. Bastea, H. Döppler, B. Balogun and P. Storz. Protein Kinase D1 Maintains the Epithelial Phenotype by Inducing a DNA-Bound, Inactive SNAI1 Transcriptional Repressor Complex. PLoS ONE, **2012**, 10.1371/journal.pone.0030459

[read abstract](http://www.plosone.org/article/info%3Adoi/10.1371/journal.pone.0030459)

B. Hausott et al. Leupeptin enhances cell surface localization of fibroblast growth factor receptor 1 in adult sensory neurons by increased recycling. European Journal of Cell Biology, **2012**, 10.1016/j.ejcb.2011.09.009

[read abstract](https://www.sciencedirect.com/science/article/pii/S0171933511001920)

Z. Darwich, A.S. Klymchenko, O.A. Kucherak, L. Richert and Y. Mely. Detection of apoptosis through the lipid order of the outer plasma membrane leaflet. Biochimica et Biophysica Acta (BBA)-Biomembranes, **2012**, org/10.1016/j.bbamem.2012.07.017

[read abstract](https://www.sciencedirect.com/science/article/pii/S0005273612002490)

M. Jaron-Mendelson et al. Dimerization of NKp46 Receptor Is Essential for NKp46-Mediated Lysis: Characterization of the Dimerization Site by Epitope Mapping. The Journal of Immunology, **2012**, 10.4049/jimmunol.1102496

[read abstract](http://www.jimmunol.org/content/early/2012/05/21/jimmunol.1102496.abstract)

L.M. Greene, N.M. O'Boyle, D.P. Nolan, M.J. Meegan and D.M. Zisterer. The vascular targeting agent Combretastatin-A4 directly induces autophagy in adenocarcinoma-derived colon cancer cells. Biochemical Pharmacology, **2012**, doi.org/10.1016/j.bcp.2012.06.005

[read abstract](https://www.sciencedirect.com/science/article/pii/S0006295212004030)

J. Hoyer and I. Neundorf. Knockdown of a G protein-coupled receptor through efficient peptide-mediated siRNA delivery. Journal of Controlled Release, **2012**, 10.1016/j.jconrel.2012.05.017

[read abstract](https://www.sciencedirect.com/science/article/pii/S0168365912003938)

J. Hoyer, U. Schatzschneider, M. Schulz-Siegmund and I. Neundorf. Dimerization of a cell-penetrating peptide leads to enhanced cellular uptake and drug delivery. Beilstein Journal of Organic Chemistry, **2012**, 10.3762/bjoc.8.204

[read abstract](http://www.beilstein-journals.org/bjoc/single/articleFullText.htm?publicId=1860-5397-8-204)

C. Boscher et al. Galectin-3 Protein Regulates Mobility of N-cadherin and GM1 Ganglioside at Cell-Cell Junctions of Mammary Carcinoma Cells. Journal of Biological Chemistry, **2012**, 10.1074/jbc.M112.353334

[read abstract](http://www.jbc.org/content/287/39/32940.short)

R. Davey, M. Miller, S. Adhikary and A. Kolokoltsov. Ebolavirus Requires Acid. J. Virol, **2012**, 10.1128/JVI.00136-12

[read abstract](http://biologie.cuso.ch/fileadmin/biologie_microbiologie/document/Project3_study.pdf)

R.E. Griffiths et al. Maturing reticulocytes internalize plasma membrane in glycophorin Aâ€“containing vesicles that fuse with autophagosomes before exocytosis. Blood, **2012**, 10.1182/blood-2011-09-376475

[read abstract](http://bloodjournal.hematologylibrary.org/content/119/26/6296.short)

S. Bauhuber, R. Liebl, L. Tomasetti, R. Rachel, A. Goepferich and M. Breunig. A library of strictly linear poly (ethylene glycol)-poly (ethylene imine) diblock copolymers to perform structure-function-relationship of non-viral gene carriers. Journal of Controlled Release, **2012**, 10.1016/j.jconrel.2012.07.017

[read abstract](https://www.sciencedirect.com/science/article/pii/S0168365912005743)

J.B. Bosse et al. A Beta-herpesvirus with fluorescent capsids to study transport in living cells. PLoS ONE, **2012**, 10.1371/journal.pone.0040585

[read abstract](http://www.plosone.org/article/info%3Adoi/10.1371/journal.pone.0040585)

E.V. Langemeijer et al. Constitutive beta-Catenin Signaling by the Viral Chemokine Receptor US28. PLoS ONE, **2012**, 10.1371/journal.pone.0048935

[read abstract](http://www.plosone.org/article/info%3Adoi/10.1371/journal.pone.0048935)

C. Bayer et al. Human cytomegalovirus infection of M1 and M2 macrophages triggers inflammation and autologous T-cell proliferation. Journal of Virology, **2012**, 10.1128/JVI.01585-12

[read abstract](http://jvi.asm.org/content/87/1/67.short)

K.R. Duffy et al. Activation-Induced B Cell Fates Are Selected by Intracellular Stochastic Competition. Science, **2012**, 10.1126/science.1213230

[read abstract](https://doi.org/10.1126/science.1213230)

M. De Paola et al. Neuroprotective Effects of Toll-Like Receptor 4 Antagonism in Spinal Cord Cultures and in a Mouse Model of Motor Neuron Degeneration. MOL MED, **2012**, 10.2119/molmed.2012.00020

[read abstract](http://molmed.org/journal/articles/27/1517)

S. Ashraf et al. Protein-mediated synthesis, pH-induced reversible agglomeration, toxicity and cellular interaction of silver nanoparticles. Colloids and Surfaces B: Biointerfaces, **2012**, 10.1016/j.colsurfb.2012.09.032

[read abstract](https://www.sciencedirect.com/science/article/pii/S0927776512005449)

N. Kfoury, B.B. Holmes, H. Jiang, D.M. Holtzman and M.I. Diamond. Trans-cellular propagation of Tau aggregation by fibrillar species. Journal of Biological Chemistry, **2012**, 10.1074/jbc.M112.346072

[read abstract](http://www.jbc.org/content/early/2012/03/29/jbc.M112.346072.abstract)

M. Khalid et al. Efficient Nef-Mediated Downmodulation of TCR-CD3 and CD28 Is Associated with High CD4+ T Cell Counts in Viremic HIV-2 Infection. Journal of Virology, **2012**, 10.1128/JVI.06856-11

[read abstract](http://jvi.asm.org/content/86/9/4906.short)

A.A. Mokhtarieh, S. Cheong, S. Kim, B.H. Chung and M.K. Lee. Asymmetric liposome particles with highly efficient encapsulation of siRNA and without nonspecific cell penetration suitable for target-specific delivery. Biochimica et Biophysica Acta (BBA)-Biomembranes, **2012**, 10.1016/j.bbamem.2012.03.016

[read abstract](https://www.sciencedirect.com/science/article/pii/S000527361200106X)

J.D. Benazet, E. Pignatti, A. Nugent, E. Unal, F. Laurent and R. Zeller. Smad4 is required to induce digit ray primordia and to initiate the aggregation and differentiation of chondrogenic progenitors in mouse limb buds. Development, **2012**, 10.1242/dev.084822

[read abstract](http://dev.biologists.org/content/139/22/4250.short)

V. Egea et al. PNAS Plus: Tissue inhibitor of metalloproteinase-1 (TIMP-1) regulates mesenchymal stem cells through let-7f microRNA and Wnt/{beta}-catenin signaling. PNAS, **2012**, 10.1073/pnas.1115083109

[read abstract](http://www.pnas.org/cgi/content/abstract/109/6/E309)

J. Eirich et al. Pretubulysin derived probes as novel tools for monitoring the microtubule network via Activity-Based Protein Profiling and Fluorescence Microscopy. Molecular BioSystems, **2012**, 10.1039/C2MB25144B

[read abstract](http://pubs.rsc.org/en/content/articlelanding/2012/mb/c2mb25144b)

M.L. Mayer et al. Rescue of Dysfunctional Autophagy Attenuates Hyperinflammatory Responses from Cystic Fibrosis Cells. The Journal of Immunology, **2012**, 10.4049/​jimmunol.1201404

[read abstract](http://www.jimmunol.org/content/190/3/1227.short)

N.A. Akawi et al. Delineation of the Clinical, Molecular and Cellular Aspects of Novel JAM3 Mutations Underlying the Autosomal Recessive Hemorrhagic Destruction of the Brain, Subependymal Calcification and Congenital Cataracts. Human Mutation, **2012**, 10.1002/humu.22263

[read abstract](http://onlinelibrary.wiley.com/doi/10.1002/humu.22263/abstract)

I. Akhrymuk, S.V. Kulemzin and E.I. Frolova. Evasion of the Innate Immune Response: the Old World Alphavirus nsP2 Protein Induces Rapid Degradation of Rpb1, a Catalytic Subunit of RNA Polymerase II. Journal of Virology, **2012**, 10.1128/​JVI.00541-12

[read abstract](http://jvi.asm.org/content/86/13/7180.short)

M. Shehata et al. Phenotypic and functional characterisation of the luminal cell hierarchy of the mammary gland. Breast Cancer Research, **2012**, 10.1186/bcr3334

[read abstract](http://breast-cancer-research.com/content/14/5/R134)

K. Hess et al. A novel mechanism for hypofibrinolysis in diabetes: the role of complement C3. Diabetologia, **2012**, 10.1007/s00125-011-2301-7

[read abstract](https://link.springer.com/article/10.1007/s00125-011-2301-7?LI=true)

Y. Lin et al. Paclitaxel and CYC3, an aurora kinase A inhibitor, synergise in pancreatic cancer cells but not bone marrow precursor cells. British journal of cancer, **2012**, 10.1038/bjc.2012.450

[read abstract](https://www.nature.com/bjc/journal/v107/n10/full/bjc2012450a.html)

E.B. Gyenge et al. Photodynamic Mechanisms induced by a Combination of Hypericin and a Chlorin Based-Photosensitizer in Head and Neck Squamous Cell Carcinoma Cells. Photochemistry and Photobiology, **2012**, 10.1111/j.1751-1097.2012.01217.x

[read abstract](http://onlinelibrary.wiley.com/doi/10.1111/j.1751-1097.2012.01217.x/full)

H. Alborzinia et al. Quantitative kinetic analysis of BMP2 uptake into cells and its modulation by BMP-antagonists. Journal of Cell Science, **2012**, 10.1242/jcs.109777

[read abstract](http://jcs.biologists.org/content/early/2012/10/12/jcs.109777.abstract)

S. Stamova et al. Generation of single-chain bispecific green fluorescent protein fusion antibodies for imaging of antibody-induced T cell synapses. Analytical Biochemistry, **2012**, 10.1016/j.ab.2011.12.042

[read abstract](https://www.sciencedirect.com/science/article/pii/S000326971100813X)

K.L. Betterman et al. Remodeling of the Lymphatic Vasculature during Mouse Mammary Gland Morphogenesis Is Mediated via Epithelial-Derived Lymphangiogenic Stimuli. The American journal of pathology, **2012**, org/10.1016/j.ajpath.2012.08.035

[read abstract](https://www.sciencedirect.com/science/article/pii/S0002944012006773)

D.Y. Chen et al. Three-dimensional cell aggregates composed of HUVECs and cbMSCs for therapeutic neovascularization in a mouse model of hindlimb ischemia. Biomaterials, **2012**, 10.1016/j.biomaterials.2012.11.045

[read abstract](https://www.sciencedirect.com/science/article/pii/S014296121201304X)

G. Costa, A. Mazan, A. Gandillet, S. Pearson, G. Lacaud and V. Kouskoff. SOX7 regulates the expression of VE-cadherin in the haemogenic endothelium at the onset of haematopoietic development. Development, **2012**, 10.1242/dev.071282

[read abstract](http://dev.biologists.org/content/139/9/1587.short)

Y. Zhu et al. Modulation of Serines 17 and 24 in the LC3-interacting Region of Bnip3 Determines Pro-survival Mitophagy versus Apoptosis. Journal of Biological Chemistry, **2012**, 10.1074/jbc.M112.399345

[read abstract](http://www.jbc.org/content/288/2/1099.short)

K. Dichtl, C. Helmschrott, F. Dirr and J. Wagener. Deciphering cell wall integrity signalling in Aspergillus fumigatus: identification and functional characterization of cell wall stress sensors and relevant Rho GTPases. Molecular Microbiology, **2012**, 10.1111/j.1365-2958.2011.07946.x

[read abstract](http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2958.2011.07946.x/full)

Y. Kam, A. Rubinstein, A. Nissan, D. Halle and E. Yavin. Detection of endogenous k-RAS mRNA in living cells at a single base resolution by a PNA molecular beacon. Molecular Pharmaceutics, **2012**, 10.1021/mp200505k

[read abstract](http://pubs.acs.org/doi/abs/10.1021/mp200505k)

I. Frolov, M. Akhrymuk, I. Akhrymuk, S. Atasheva and E.I. Frolova. Early events in alphavirus replication determine the outcome of infection. Journal of Virology, **2012**, 10.1128/​JVI.07223-11

[read abstract](http://jvi.asm.org/content/86/9/5055.short)

T. Frömel et al. Cytochrome P4502S1: a novel monocyte/macrophage fatty acid epoxygenase in human atherosclerotic plaques. Basic research in cardiology, **2012**, 10.1007/s00395-012-0319-8

[read abstract](https://link.springer.com/article/10.1007/s00395-012-0319-8)

D.K.L. Tham and H. Moukhles. Regulation of Kir4.1 and AQP4 expression and stability at the basolateral domain of epithelial MDCK cells by the extracellular matrix. Am J Physiol Renal Physiol, **2011**, 10.1152/ajprenal.00315.2010

[read abstract](https://www.physiology.org/doi/abs/10.1152/ajprenal.00315.2010)

E. Zudaire, L. Gambardella, C. Kurcz and S. Vermeren. A Computational Tool for Quantitative Analysis of Vascular Networks. PLoS ONE, **2011**, 10.1371/journal.pone.0027385

[read abstract](http://www.plosone.org/article/info%3Adoi/10.1371/journal.pone.0027385)

L. Schreiner, M. Huber-Lang, M.E. Weiss, H. Hohmann, E.M. Schneider and M. Schmolz. Phagocytosis and digestion of pH-sensitive fluorescent dye (Eos-FP) transfected E. coli in whole blood assays from patients with severe sepsis and septic shock. Journal of Cell Communication and Signaling, **2011**, 10.1007/s12079-010-0112-0

[read abstract](http://www.springerlink.com/content/g302q718525131u4/fulltext.html)

H.K. Mannell et al. ARNO regulates VEGF-dependent tissue responses by stabilizing endothelial VEGFR-2 surface expression. Cardiovasc Res , **2011**, 10.1093/cvr/cvr265

[read abstract](https://academic.oup.com/cardiovascres/article/93/1/111/411618)

A. Kuznik, M. Bencina, U. Svajger, M. Jeras, B. Rozman and R. Jerala. Mechanism of Endosomal TLR Inhibition by Antimalarial Drugs and Imidazoquinolines. The Journal of Immunology, **2011**, 10.4049/jimmunol.1000702

[read abstract](http://www.jimmunol.org/cgi/content/abstract/186/8/4794)

G. Dobrynin et al. Cdc48/p97-Ufd1-Npl4 antagonizes Aurora B during chromosome segregation in HeLa cells. J. Cell Sci., **2011**, 10.1242/jcs.069500

[read abstract](http://jcs.biologists.org/cgi/content/abstract/124/9/1571)

J. Wang et al. Amyloid {beta} Enhances Migration of Endothelial Progenitor Cells by Upregulating CX3CR1 in Response to Fractalkine, Which May Be Associated With Development of Choroidal Neovascularization. Arteriosclerosis, Thrombosis, and Vascular Biology, **2011**, 10.1161/ATVBAHA.110.215517

[read abstract](https://www.ahajournals.org/doi/10.1161/ATVBAHA.110.215517)

E. Müllers, K. Stirnnagel, S. Kaulfuss and D. Lindemann. Prototype Foamy Virus Gag Nuclear Localization: a Novel Pathway among Retroviruses. Journal of Virology, **2011**, 10.1128/JVI.00663-11

[read abstract](http://jvi.asm.org/cgi/content/abstract/85/18/9276)

M. Hasmim et al. Hypoxia-Dependent Inhibition of Tumor Cell Susceptibility to CTL-Mediated Lysis Involves NANOG Induction in Target Cells. The Journal of Immunology, **2011**, 10.4049/​jimmunol.1101011

[read abstract](http://www.jimmunol.org/cgi/content/abstract/187/8/4031)

S.H. Apte, P.L. Groves, J.S. Roddick, V.P. da Hora and D.L. Doolan. High-throughput multi-parameter flow-cytometric analysis from micro-quantities of Plasmodium-infected blood. International Journal for Parasitology, **2011**, 10.1016/j.ijpara.2011.07.010

[read abstract](https://www.sciencedirect.com/science/article/pii/S0020751911002177)

D. Ritz et al. Endolysosomal Sorting of Ubiquitylated Caveolin-1 is Regulated by VCP and UBXD1 and Impaired by VCP Disease Mutations. Nature Cell Biology, **2011**, 10.1038/ncb2301

[read abstract](https://www.nature.com/ncb/journal/v13/n9/full/ncb2301.html)

P. Gavazzo, S. Vella, C. Marchetti, M. Nizzari, R. Cancedda and A. Pagano. Acquisition of neuron-like electrophysiological properties in neuroblastoma cells by controlled expression of NDM29 ncRNA. Journal of Neurochemistry, **2011**, 10.1111/j.1471-4159.2011.07492.x

[read abstract](http://onlinelibrary.wiley.com/doi/10.1111/j.1471-4159.2011.07492.x/full)

M.N. Adams, M.E. Christensen, Y. He, N.J. Waterhouse and J.D. Hooper. The Role of Palmitoylation in Signalling, Cellular Trafficking and Plasma Membrane Localization of Protease-Activated Receptor-2. PLoS ONE, **2011**, 10.1371/journal.pone.0028018

[read abstract](http://www.plosone.org/article/info%3Adoi/10.1371/journal.pone.0028018)

E. Quaglio et al. Expression of Mutant or Cytosolic PrP in Transgenic Mice and Cells Is Not Associated with Endoplasmic Reticulum Stress or Proteasome Dysfunction. , **2011**, 10.1371/journal.pone.0019339

[read abstract](http://www.plosone.org/article/info%3Adoi/10.1371/journal.pone.0019339)

O. Lunov et al. Amino-Functionalized Polystyrene Nanoparticles Activate the NLRP3 Inflammasome in Human Macrophages. ACS nano, **2011**, 10.1021/nn203596e

[read abstract](http://pubs.acs.org/doi/abs/10.1021/nn203596e)

B. Weber, L. Saurer, M. Schenk, N. Dickgreber and C. Mueller. CX3CR1 defines functionally distinct intestinal mononuclear phagocyte subsets which maintain their respective functions during homeostatic and inflammatory conditions. European Journal of Immunology, **2011**, 10.1002/eji.201040965

[read abstract](http://onlinelibrary.wiley.com/doi/10.1002/eji.201040965/full)

H. Tran-Van, E. Avota, C. Börtlein, N. Mueller and S. Schneider Schaulies. Measles virus modulates dendritic cell/T cell communication at the level of plexinA1/neuropilin 1 recruitment and activity. European Journal of Immunology, **2011**, 10.1002/eji.201040847

[read abstract](http://onlinelibrary.wiley.com/doi/10.1002/eji.201040847/full)

N. Agarwal et al. MeCP2 Rett mutations affect large scale chromatin organization. Human Molecular Genetics, **2011**, 10.1093/hmg/ddr346

[read abstract](https://academic.oup.com/hmg/article/20/21/4187/577248)

V.M. Ahrens, R. Frank, S. Stadlbauer, A.G. Beck-Sickinger and E. Hey-Hawkins. Incorporation of ortho-Carbaboranyl-N -Modified l-Lysine into Neuropeptide Y Receptor Y1-and Y2-Selective Analogues. Journal of Medicinal Chemistry, **2011**, 10.1021/jm101514m

[read abstract](http://pubs.acs.org/doi/abs/10.1021/jm101514m)

N. Oshima-Sudo, Q. Li, Y. Hoshino, K. Nakahama, T. Kubota and I. Morita. Optimized method for culturing outgrowth endothelial progenitor cells. Inflammation and Regeneration, **2011**,

[read abstract](https://www.jstage.jst.go.jp/article/inflammregen/31/2/31_2_219/_article)

C.Y. Lee et al. Chikungunya Virus Neutralization Antigens and Direct Cell-to-Cell Transmission Are Revealed by Human Antibody-Escape Mutants. PLoS Pathogens, **2011**, 10.1371/journal.ppat.1002390

[read abstract](http://www.plospathogens.org/article/info%3Adoi/10.1371/journal.ppat.1002390)

B.A. Mayer et al. Inhibitor of Apoptosis Proteins as Novel Targets in Inflammatory Processes. Arteriosclerosis, Thrombosis, and Vascular Biology, **2011**, 10.1161/atvbaha.111.234294

[read abstract](http://atvb.ahajournals.org/content/31/10/2240.abstract)

N. Berberich et al. Roscovitine blocks leukocyte extravasation by inhibition of cyclin dependent kinases 5 and 9. British journal of pharmacology, **2011**, 10.1111/j.1476-5381.2011.01309.x

[read abstract](http://onlinelibrary.wiley.com/doi/10.1111/j.1476-5381.2011.01309.x/full)

S.J. Spratley, L.I. Bastea, H. Doppler, K. Mizuno and P. Storz. Protein kinase D regulates cofilin activity through P21-activated kinase 4. Journal of Biological Chemistry, **2011**, 10.1074/jbc.M111.259424

[read abstract](http://www.jbc.org/content/early/2011/08/09/jbc.M111.259424.abstract)

M. Schauflinger et al. The Tegument Protein UL71 of Human Cytomegalovirus Is Involved in Late Envelopment and Affects Multivesicular Bodies. Journal of Virology, **2011**, 10.1128/JVI.01540-10

[read abstract](http://jvi.asm.org/cgi/content/abstract/85/8/3821)

S. Elhaik-Goldman et al. The Natural Cytotoxicity Receptor 1 Contribution to Early Clearance of Streptococcus pneumoniae and to Natural Killer-Macrophage Cross Talk. PLoS ONE, **2011**, 10.1371/journal.pone.0023472

[read abstract](https://dx.doi.org/10.1371/journal.pone.0023472)

F.B. Hickey et al. IHG-1 Promotes Mitochondrial Biogenesis by Stabilizing PGC-1{alpha}. J. Am. Soc. Nephrol., **2011**, 10.1681/ASN.2010111154

[read abstract](http://jasn.asnjournals.org/cgi/content/abstract/22/8/1475)

R.H. Haefeli et al. NQO1-Dependent Redox Cycling of Idebenone: Effects on Cellular Redox Potential and Energy Levels. PLoS ONE, **2011**, 10.1371/journal.pone.0017963

[read abstract](http://www.plosone.org/article/info%3Adoi/10.1371/journal.pone.0017963)

O. Vondalova Blanarova et al. Cisplatin and a potent platinum(IV) complex-mediated enhancement of TRAIL-induced cancer cells killing is associated with modulation of upstream events in the extrinsic apoptotic pathway. Carcinogenesis, **2011**, 10.1093/carcin/bgq220

[read abstract](https://carcin.oxfordjournals.org/cgi/content/abstract/32/1/42)

I. Ibiricu, J.T. Huiskonen, K. Döhner, F. Bradke, B. Sodeik and K. Grünewald. Cryo Electron Tomography of Herpes Simplex Virus during Axonal Transport and Secondary Envelopment in Primary Neurons. PLoS Pathogens, **2011**, 10.1371/journal.ppat.1002406

[read abstract](http://www.plospathogens.org/article/info%3Adoi/10.1371/journal.ppat.1002406)

L. Raszeja, A. Maghnouj, S. Hahn and N. Metzler Nolte. A Novel Organometallic ReI Complex with Favourable Properties for Bioimaging and Applicability in Solid Phase Peptide Synthesis. ChemBioChem, **2011**, 10.1002/cbic.201000576

[read abstract](http://onlinelibrary.wiley.com/doi/10.1002/cbic.201000576/full)

B. Morgan, M.C. Sobotta and T.P. Dick. Measuring EGSH and H2O2 with roGFP2-based redox probes. Free Radical Biology and Medicine, **2011**, 10.1016/j.freeradbiomed.2011.08.035

[read abstract](https://www.sciencedirect.com/science/article/pii/S089158491100565X)

P. Chen et al. Virological Synapses Allow HIV-1 Uptake and Gene Expression in Renal Tubular Epithelial Cells. J. Am. Soc. Nephrol. , **2011**, 10.1681/ASN.2010040379

[read abstract](http://jasn.asnjournals.org/cgi/content/abstract/22/3/496)

F. Uliczka et al. Monitoring of Gene Expression in Bacteria during Infections Using an Adaptable Set of Bioluminescent, Fluorescent and Colorigenic Fusion Vectors. PLoS ONE, **2011**, 10.1371/journal.pone.0020425

[read abstract](http://www.plosone.org/article/info%3Adoi/10.1371/journal.pone.0020425)

M. Kamiya et al. Beta-Galactosidase Fluorescence Probe with Improved Cellular Accumulation Based on a Spirocyclized Rhodol Scaffold. Journal of the American Chemical Society, **2011**, 10.1021/ja204781t

[read abstract](https://dx.doi.org/10.1021/ja204781t)

S.K. Ball, M.C. Field, J.R. Tippins and M.G. Bonini. Regulation of Thromboxane Receptor Signaling at Multiple Levels by Oxidative Stress-Induced Stabilization, Relocation and Enhanced Responsiveness. PLoS ONE, **2010**, 10.1371/journal.pone.0012798

[read abstract](http://www.plosone.org/article/info%3Adoi/10.1371/journal.pone.0012798)

J. Malmo, K.M. Va rum and S.P. Strand. Effect of Chitosan Chain Architecture on Gene Delivery: Comparison of Self-Branched and Linear Chitosans. Biomacromolecules, **2010**, 10.1021/bm1013525

[read abstract](http://pubs.acs.org/doi/abs/10.1021/bm1013525)

S. Leone, T. Cornetta, E. Basso and R. Cozzi. Resveratrol induces DNA double-strand breaks through human topoisomerase II interaction. Cancer Letters, **2010**, 10.1016/j.canlet.2010.02.022

[read abstract](https://www.sciencedirect.com/science/article/pii/S0304383510001321)

V.A. Schulte, Y. Hu, M. Diez, D. Bünger, M. Möller and M.C. Lensen. A hydrophobic perfluoropolyether elastomer as a patternable biomaterial for cell culture and tissue engineering. Biomaterials, **2010**,

[read abstract](https://www.sciencedirect.com/science/article/pii/S0142961210009427)

M. Simovitch et al. EspM inhibits pedestal formation by enterohaemorrhagic Escherichia coli and enteropathogenic E. coli and disrupts the architecture of a polarized epithelial monolayer. Cellular Microbiology, **2010**, 10.1111/j.1462-5822.2009.01410.x

[read abstract](http://onlinelibrary.wiley.com/doi/10.1111/j.1462-5822.2009.01410.x/abstract)

A. Marg, H. Haase, T. Neumann, M. Kouno and I. Morano. AHNAK1 and AHNAK2 are costameric proteins: AHNAK1 affects transverse skeletal muscle fiber stiffness. Biochemical and Biophysical Research Communications, **2010**, 10.1016/j.bbrc.2010.09.030

[read abstract](https://www.sciencedirect.com/science/article/pii/S0006291X10017055)

E. Restelli, L. Fioriti, S. Mantovani, S. Airaghi, G. Forloni and R. Chiesa. Cell Type-Specific Neuroprotective Activity of Untranslocated Prion Protein. PLoS ONE, **2010**, 10.1371/journal.pone.0013725

[read abstract](https://dx.doi.org/10.1371/journal.pone.0013725)

K. Ofokansi, G. Winter, G. Fricker and C. Coester. Matrix-loaded biodegradable gelatin nanoparticles as new approach to improve drug loading and delivery. European Journal of Pharmaceutics and Biopharmaceutics, **2010**, 10.1016/j.ejpb.2010.04.008.

[read abstract](https://www.sciencedirect.com/science/article/pii/S0939641110001086)

L.H.-C. Wang, B. Mayer, O. Stemmann and E.A. Nigg. Centromere DNA decatenation depends on cohesin removal and is required for mammalian cell division. J. Cell Sci., **2010**, 10.1242/jcs.058255

[read abstract](http://jcs.biologists.org/cgi/content/abstract/123/5/806)

D.J. Richard et al. hSSB1 rapidly binds at the sites of DNA double-strand breaks and is required for the efficient recruitment of the MRN complex. Nucleic Acids Research, **2010**, 10.1093/nar/gkq1098

[read abstract](https://nar.oxfordjournals.org/content/early/2010/11/03/nar.gkq1098.abstract)

N. Casares et al. A Peptide Inhibitor of FOXP3 Impairs Regulatory T Cell Activity and Improves Vaccine Efficacy in Mice. The Journal of Immunology, **2010**, 10.4049/jimmunol.1001114

[read abstract](http://www.jimmunol.org/cgi/content/abstract/185/9/5150)

V. Fernández-Moreira et al. Bioconjugated lanthanide luminescent helicates as multilabels for lab-on-a-chip detection of cancer biomarkers. The Analyst, **2010**, 10.1039/B922124G

[read abstract](http://pubs.rsc.org/en/Content/ArticleLanding/2010/AN/b922124g)

A. Masamune, T. Watanabe, K. Kikuta, K. Satoh, A. Kanno and T. Shimosegawa. Nuclear expression of interleukin-33 in pancreatic stellate cells. American Journal of Physiology-Gastrointestinal and Liver Physiology, **2010**, 10.1152/ajpgi.00178.2010

[read abstract](https://www.physiology.org/doi/abs/10.1152/ajpgi.00178.2010)

A. Sengupta, U.F. Lichti, B.A. Carlson, A.O. Ryscavage, V.N. Gladyshev and P. Cobine. Selenoproteins Are Essential for Proper Keratinocyte Function and Skin Development. PLoS ONE, **2010**, 10.1371/journal.pone.0012249

[read abstract](http://www.plosone.org/article/info%3Adoi/10.1371/journal.pone.0012249)

E. Szewczyk and S. Krappmann. Conserved Regulators of Mating Are Essential for Aspergillus fumigatus Cleistothecium Formation. Eukaryot. Cell, **2010**, 10.1128/EC.00375-09

[read abstract](http://ec.asm.org/cgi/content/abstract/9/5/774)

C. Tabrett et al. Changing the solvent accessibility of the prion protein disulfide bond markedly influences its trafficking and effect on cell function. Biochem. J, **2010**, 10.1042/BJ20091635

[read abstract](http://www.biochemj.org/bj/428/bj4280169.htm)

L. Flanagan et al. XIAP impairs Smac release from the mitochondria during apoptosis. Cell Death & Disease, **2010**, 10.1038/cddis.2010.26

[read abstract](https://www.nature.com/cddis/journal/v1/n6/abs/cddis201026a.html)

P. del Pino, A. Munoz-Javier, D. Vlaskou, P. Rivera Gil, C. Plank and W.J. Parak. Gene Silencing Mediated by Magnetic Lipospheres Tagged with Small Interfering RNA. Nano Letters, **2010**, 10.1021/nl102485v

[read abstract](https://dx.doi.org/10.1021/nl102485v)

M. Osterwalder, A. Galli, B. Rosen, W.C. Skarnes, R. Zeller and J. Lopez-Rios. Dual RMCE for efficient re-engineering of mouse mutant alleles. Nature Methods, **2010**, 10.1038/nmeth.1521

[read abstract](https://www.nature.com/nmeth/journal/vaop/ncurrent/full/nmeth.1521.html)

C.R. Herron, A.M. Lowery, P.R. Hollister, A.B. Reynolds and P.A. Vincent. p120 regulates endothelial permeability independent of its N-terminus and Rho Binding. Am J Physiol Heart Circ Physiol, **2010**, 10.1152/ajpheart.00812.2010

[read abstract](https://www.physiology.org/doi/full/10.1152/ajpheart.00812.2010)

Y.M. Ramdzan, R.M. Nisbet, J. Miller, S. Finkbeiner, A.F. Hill and D.M. Hatters. Conformation Sensors that Distinguish Monomeric Proteins from Oligomers in Live Cells. Chemistry & Biology, **2010**, 10.1016/j.chembiol.2010.03.011

[read abstract](https://www.sciencedirect.com/science/article/pii/S1074552110001225)

S. Kim, Y. Kim, J. Lee and J. Chung. Regulation of FOXO1 by TAK1-Nemo-like Kinase Pathway. J. Biol. Chem., **2010**, 10.1074/jbc.M110.101824

[read abstract](http://www.jbc.org/cgi/content/abstract/285/11/8122)

C. Panayiotou, N. Solaroli, Y. Xu, M. Johansson and A. Karlsson. The characterization of human adenylate kinases 7 and 8 demonstrates differences in kinetic parameters and structural organization among the family of adenylate kinase isoenzymes. Biochemical Journal Metabolism, **2010**, 10.1042/BJ20101443

[read abstract](http://www.biochemj.org/bj/433/bj4330527.htm)

S. Diemert, J. Grohm, S. Tobaben, A. Dolga and C. Culmsee. Real-Time Detection of Neuronal Cell Death by Impedance-Based Analysis using the xCELLigence System. Focus Application Neurotxicity, **2010**,

E.I. Frolova, R. Gorchakov, L. Pereboeva, S. Atasheva and I. Frolov. Functional Sindbis Virus Replicative Complexes Are Formed at the Plasma Membrane. Journal of Virology, **2010**, 10.1128/JVI.01441-10

[read abstract](http://jvi.asm.org/cgi/content/abstract/84/22/11679)

D.M. Iser et al. Coinfection of Hepatic Cell Lines with Human Immunodeficiency Virus and Hepatitis B Virus Leads to an Increase in Intracellular Hepatitis B Surface Antigen. Journal of Virology, **2010**, 10.1128/JVI.02594-09

[read abstract](http://jvi.asm.org/cgi/content/abstract/84/12/5860)

C. Walther, I. Ott, R. Gust and I. Neundorf. Specific labeling with potent radiolabels alters the uptake of cell-penetrating peptides. Peptide Science, **2009**, 10.1002/bip.21218

[read abstract](https://dx.doi.org/10.1002/bip.21218)

M. Meyer, J. Fleming, M. Ali, M. Pesesky, E. Ginsburg and B. Vonderhaar. Dynamic regulation of CD24 and the invasive, CD44posCD24neg phenotype in breast cancer cell lines. Breast Cancer Research, **2009**, 10.1186/bcr2449

[read abstract](http://breast-cancer-research.com/content/11/6/R82)

B. Jahrsdörfer et al. Granzyme B produced by human plasmacytoid dendritic cells suppresses T-cell expansion. Blood, **2009**, 10.1182/blood-2009-07-235382

[read abstract](https://www.ncbi.nlm.nih.gov/pubmed/19965634)

J.R. Skaar et al. INTS3 Controls the hSSB1-Mediated DNA Damage Response. The Journal of Cell Biology, **2009**, 10.1083/jcb.200907026

[read abstract](http://jcb.rupress.org/cgi/content/abstract/187/1/25)

O. Persson, L. Salford, J. Fransson, B. Widegren, C. Borrebaeck and B. Holmqvist. Distribution, cellular localization, and therapeutic potential of the tumor-associated antigen Ku70/80 in glioblastoma multiforme. Journal of Neuro-Oncology, **2009**, 10.1007/s11060-009-0013-3

[read abstract](https://doi.org/10.1007/s11060-009-0013-3)

M.I. Hermanns et al. An impaired alveolar-capillary barrier in vitro: effect of proinflammatory cytokines and consequences on nanocarrier interaction. Journal of The Royal Society Interface, **2009**, 10.1098/rsif.2009.0288.focus

[read abstract](https://doi.org/10.1098/rsif.2009.0288.focus)

S. Pfefferle, V. Krähling, V. Ditt, K. Grywna, E. Mühlberger and C. Drosten. Reverse genetic characterization of the natural genomic deletion in SARS-Coronavirus strain Frankfurt-1 open reading frame 7b reveals an attenuating function of the 7b protein in-vitro and in-vivo. Virology Journal, **2009**, 10.1186/1743-422X-6-131.

[read abstract](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2739521/)

T. Haas, F. Schmitz, A. Heit and H. Wagner. Sequence independent interferon-alpha - induction by multimerized phosphodiester DNA depends on spatial regulation of Toll-like receptor-9 activation in plasmacytoid dendritic cells. Immunology, **2009**, 10.1111/j.1365-2567.2008.02897

[read abstract](https://dx.doi.org/10.1111/j.1365-2567.2008.02897.x)

C.F. Cowell, H. Doppler, I.K. Yan, A. Hausser, Y. Umezawa and P. Storz. Mitochondrial diacylglycerol initiates protein-kinase-D1-mediated ROS signaling. J Cell Sci, **2009**, 10.1242/jcs.041061

[read abstract](http://jcs.biologists.org/cgi/content/abstract/122/7/919)

C. Panayiotou, N. Solarolia, M. Johanssona and A. Karlssona. Evidence of an intact N-terminal translocation sequence of human mitochondrial adenylate kinase 4. The International Journal of Biochemistry & Cell Biology, **2009**, 10.1016/j.biocel.2009.09.007

[read abstract](https://www.sciencedirect.com/science/article/pii/S1357272509002507)

M. Kaneda, D. Zhang, R. Bhattacharjee, K.-i. Nakahama, S. Arii and I. Morita. Vitamin K2 suppresses malignancy of HuH7 hepatoma cells via inhibition of connexin 43. Cancer Letters, **2008**,

[read abstract](https://linkinghub.elsevier.com/retrieve/pii/S0304383507006283)

Y. Mali and N. Zisapels. Gain of interaction of ALS-linked G93A superoxide dismutase with cytosolic malate dehydrogenase. Neurobiology of Disease, **2008**, 10.1016/j.nbd.2008.06.010

[read abstract](https://www.sciencedirect.com/science/article/pii/S0969996108001423)

Y.W. Noh, Y.T. Lim and B.H. Chung. Noninvasive imaging of dendritic cell migration into lymph nodes using near-infrared fluorescent semiconductor nanocrystals. The FASEB Journal, **2008**, 10.1096/fj.08-112896

[read abstract](http://www.fasebj.org/cgi/content/abstract/22/11/3908?maxtoshow=&HITS=10&hits=10&RESULTFORMAT=&author1=noh&andorexactfulltext=and&searchid=1&FIRSTINDEX=0&sortspec=relevance&resourcetype=HWCIT)

K. Zolghadr et al. A fluorescent two-hybrid (F2H) assay for direct visualization of protein interactions in living cells. Mol. Cell. Proteomics, **2008**, 10.1074/mcp.M700548-MCP200

[read abstract](http://www.mcponline.org/cgi/content/abstract/M700548-MCP200v1)

C. Walther, K. Meyer, R. Rennert and I. Neundorf. Quantum Dot- Carrier Peptide Conjugates Suitable for Imaging and Delivery Applications. Bioconjugate Chemistry, **2008**, 10.1021/bc800172q

[read abstract](http://pubs.acs.org/doi/abs/10.1021/bc800172q?prevSearch=Walther&searchHistoryKey=)

M. Chevillotte et al. The major tegument protein pp65 of human cytomegalovirus is required for the incorporation of pUL69 and pUL97 into the virus particle and for viral growth in macrophages. Journal of Virology, **2008**, 10.1128/JVI.01818-08

[read abstract](http://jvi.asm.org/cgi/content/abstract/JVI.01818-08v1)

M. Kurth and R. Entzeroth. Reporter gene expression in cell culture stages and oocysts of Eimeria nieschulzi (Coccidia, Apicomplexa). Parasitology Research, **2008**, 10.1007/s00436-008-1192-0

[read abstract](https://dx.doi.org/10.1007/s00436-008-1192-0)

R. Gorchakov, N. Garmashova, E. Frolova and I. Frolov. Different types of nsP3-containing protein complexes in Sindbis virus-infected cells. Journal of Virology, **2008**, 10.1128/jvi.01011-08

[read abstract](http://jvi.asm.org/cgi/content/abstract/JVI.01011-08v1)

K.L. Horton, K.M. Stewart, S.B. Fonseca, Q. Guo and S.O. Kelley. Mitochondria-Penetrating Peptides. Chemistry & Biology, **2008**,

[read abstract](http://www.cell.com/chemistry-biology/abstract/S1074-5521%2808%2900126-9)

S. Landshamer et al. Bid-induced release of AIF from mitochondria causes immediate neuronal cell death. Cell Death & Differentiation, **2008**, 10.1038/cdd.2008.78

[read abstract](https://www.nature.com/cdd/journal/v15/n10/full/cdd200878a.html)

A. Masamune et al. Fibrinogen induces cytokine and collagen production in pancreatic stellate cells. Gut, **2008**, 10.1136/gut.2008.154401

[read abstract](http://gut.bmj.com/cgi/content/abstract/58/4/550)

Y.T. Lim, M.Y. Choa, J.M. Leea, S.J. Chunga and B.H. Chung. Simultaneous intracellular delivery of targeting antibodies and functional nanoparticles with engineered protein G system. Biomaterials, **2008**, 10.1016/j.biomaterials.2008.11.007

[read abstract](https://www.sciencedirect.com/science/article/pii/S0142961208008727)

F. Hahn, K. Schmitz, T. Balaban, F. Bräse and U. Schepers. Conjugation of Spermine Facilitates Cellular Uptake and Enhances Antitumor and Antibiotic Properties of Highly Lipophilic Porphyrins. ChemMedChem, **2008**,

[read abstract](https://dx.doi.org/10.1002/cmdc.200800013)

Y. Kim et al. PINK1 controls mitochondrial localization of Parkin through direct phosphorylation. Biochemical and Biophysical Research Communications, **2008**, 10.1016/j.bbrc.2008.10.104

[read abstract](https://doi.org/10.1016/j.bbrc.2008.10.104)

G. Ter-Avetisyan et al. Cell entry of arginine-rich peptides is independent of endocytosis. J. Biol. Chem., **2008**, 10.1074/jbc.M805550200

[read abstract](http://www.jbc.org/cgi/content/abstract/M805550200v1)

R. Dijkink et al. Controlled cavitation--cell interaction: trans-membrane transport and viability studies. Physics in Medicine and Biology, **2008**,

[read abstract](https://www.ncbi.nlm.nih.gov/pubmed/18184993)

S. Windhorst et al. Inositol 1, 4, 5-trisphosphate 3-kinase A overexpression induces cytoskeletal re-organization and increases migration via a kinase-independent mechanism. Biochem J, **2008**, 10.1042/BJ20080630

[read abstract](http://www.biochemj.org/bj/414/bj4140407.htm)

M. Leisner, K. Stingl, J.O. Rädler and B. Maier. Basal expression rate of comK sets a switching-window into the K-state of Bacillus subtilis. Molecular Microbiology, **2007**,

[read abstract](http://www3.interscience.wiley.com/search/allsearch?mode=viewselected&product=journal&ID=118541890&view_selected.x=61&view_selected.y=7&view_selected=view_selected)

F. Vácha et al. Identification of Photosystem I and Photosystem II enriched regions of thylakoid membrane by optical microimaging of cryo-fluorescence emission spectra and of variable fluorescence. Micron, **2007**, 10.1016/j.micron.2006.07.013

[read abstract](https://doi.org/10.1016/j.micron.2006.07.013)

I. Böhme, K. Mörl, D. Bamming, C. Meyer and A.G. Beck-Sickinger. Tracking of human Y receptors in living cells—A fluorescence approach. Peptides, **2007**, 10.1016/j.peptides.2006.08.042

[read abstract](https://doi.org/10.1016/j.peptides.2006.08.042)

A. Masamune, T. Watanabe, K. Kikuta, K. Satoh and T. Shimosegawa. NADPH oxidase plays a crucial role in the activation of pancreatic stellate cells. American Journal of Physiology-Gastrointestinal and Liver Physiology, **2007**, 10.1152/ajpgi.00272.2007

[read abstract](https://www.physiology.org/doi/abs/10.1152/ajpgi.00272.2007)

O. Kreft, A.M. Javier, G.B. Sukhorukov and W.J. Parak. Polymer microcapsules as mobile local pH-sensors. Journal of Materials Chemistry, **2007**,

[read abstract](http://www.rsc.org/Publishing/Journals/jm/News/HotParak.asp)

G. Tünnemann, P. Karczewski, H. Haase, M. Cardoso and I. Morano. Modulation of muscle contraction by a cell-permeable peptide. J Mol Med. , **2007**, 10.1007/s00109-007-0238-6.

[read abstract](http://www.springerlink.com/content/x642567122391564/?p=2ba0c086498f4a52be214ba2a09bfe82&pi=0)

J.H. Lee et al. Energy-dependent regulation of cell structure by AMP-activated protein kinase.. Nature, **2007**, 10.1038/nature05828

[read abstract](https://www.nature.com/nature/journal/v447/n7147/full/nature05828.html)

W.K. Lee, B. Torchalski and F. Thevenod. Cadmium-induced ceramide formation triggers calpain-dependent apoptosis in cultured kidney proximal tubule cells. American Journal of Physiology- Cell Physiology, **2007**,

[read abstract](http://ajpcell.physiology.org/cgi/content/abstract/293/3/C839?maxtoshow=&HITS=10&hits=10&RESULTFORMAT=&author1=Torchalski&searchid=1&FIRSTINDEX=0&sortspec=relevance&resourcetype=HWCIT)

S.A. Schmid et al. Lactate adversely affects the in vitro formation of endothelial cell tubular structures through the action of TGF-ß1. Experimental Cell Research, **2007**, 10.1016/j.yexcr.2007.05.016

[read abstract](https://doi.org/10.1016/j.yexcr.2007.05.016)

A.C. Leeder and G. Turner. Characterisation of Aspergillus nidulans polarisome component BemA. Fungal Genetics and Biology, **2007**, 10.1016/j.fgb.2007.12.001

[read abstract](https://doi.org/10.1016/j.fgb.2007.12.001)

F. Schmitz et al. Interferon-regulatory-factor 1 controls Toll-like receptor 9-mediated IFN-beta production in myeloid dendritic cells. Eur J Immunol, **2007**,

[read abstract](https://www.ncbi.nlm.nih.gov/pubmed/17273999)

Y. Porat, K. Marynka, A. Tam, D. Steinberg and A. Mor. Acyl-Substituted Dermaseptin S4 Derivatives with Improved Bactericidal Properties, Including on Oral Microflora. Antimicrob. Agents Chemother., **2006**, 10.1128/aac.00750-06

[read abstract](http://aac.asm.org/cgi/content/abstract/50/12/4153)

E. Horn, C. Zehetmeier and R. Zantl. Homogeneous distribution of cells in culture. BIO TECH international, **2006**,

A.M. Lechner et al. RGD-dependent Binding of Procathepsin X to Integrin {alpha}vbeta3 Mediates Cell-adhesive Properties. J. Biol. Chem., **2006**, 10.1074/jbc.M513439200

[read abstract](http://www.jbc.org/cgi/content/abstract/281/51/39588)

N. Deigendesch, F. Koch-Nolte and S. Rothenburg. ZBP1 subcellular localization and association with stress granules is controlled by its Z-DNA binding domains. Nucleic Acids Res., **2006**, 10.1093/nar/gkl575

[read abstract](https://nar.oxfordjournals.org/cgi/content/abstract/34/18/5007)

H. Haase et al. Minigenes encoding N-terminal domains of human cardiac myosin light chain-1 improve heart function of transgenic rats. FASEB J, **2006**, 10.1096/fj.05-5414com

[read abstract](http://www.fasebj.org/doi/abs/10.1096/fj.05-5414com)

D. Zimmermann et al. Biophysical characterisation of electrofused giant HEK293-cells as a novel electrophysiological expression system. Biochemical and Biophysical Research Communications, **2006**, 10.1016/j.bbrc.2006.07.112

[read abstract](https://doi.org/10.1016/j.bbrc.2006.07.112)

O. Mortusewicz, U. Rothbauer, M.C. Cardoso and H. Leonhardt. Differential recruitment of DNA Ligase I and III to DNA repair sites. Nucleic Acids Res., **2006**, 10.1093/nar/gkl492

[read abstract](https://nar.oxfordjournals.org/cgi/content/abstract/34/12/3523)