



## Publications

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2010 – 2020

## Total Number of Customer Publications 2010–2020: 206

### Total number of customer publications 2020 (so far): 10

1. Amanda Unsworth, Alexander Bye, Tanya Sage, Renato Gaspar, Nathan Eaton, Caleb Drew, Alexander Stainer, Neline Kriek, Peter Volberding, James Hutchinson, Ryan Riley, Sarah Jones, Stuart Mundell, Weiguo Cui, Hervé Falet, Jonathan Gibbins. Anti-platelet properties of Pim kinase inhibition is mediated through disruption of thromboxane A2 receptor signalling. *Haematologica* May 2020; 105:xxx
2. Laura Forero Ramirez, Elise Gobin, Rachida Aid-Launais, Clément Journe, Fernanda Moraes, Luc Picton, Didier Le Cerf, Didier Letourneur, Cédric Chauvierre, Frederic Chaubet. Gd(DOTA)-grafted submicronic polysaccharide-based particles functionalized with fucoidan as potential MR contrast agent able to target human activated platelets. *Carbohydrate Polymers* May 2020, 116457
3. Guangyin Jing, Andreas Zottl, Eric Clement, Anke Lindner. Chirality-induced bacterial rheotaxis in bulk shear flows. *arXiv: 2003.04012v1*. March 10, 2020.
4. Ina Nemet, Prasenjit Prasad Saha, Nilaksh Gupta, Weifei Zhu, Kymberleigh A. Romano et al. A cardiovascular disease-linked gut microbial metabolite acts via adrenergic receptors. *Cell*, 180(5):862-877.e22. March 5, 2020.
5. Christina Offenzeller, Marcel Knoll, Thomas Voglhuber-Brunnmaier, Wolfgang Hilber, Bernhard Jakoby. Screen Printed Sensor Design for Thermal Flow Velocity Measurement with Intrinsic Compensation of Thermal Fluid Conductivity. *IEEE Sensors Journal*, February 2020.
6. Christina Offenzeller, Marcus A. Hintermüller, Wolfgang Hilber, Bernhard Jakoby. A dielectric coating for improved performance of capacitive sensors in all-polymer microfluidic devices. *Microelectronic Engineering* 223, 15 February 2020, 111220.
7. R.S. Gaspar, S.A. da Silva, J. Stapleton, J.L. de Lima Fontelle, H.R. Sousa, V. Teles Chagas, S. Alsufyani, A. Trostchansky, J.M. Gibbins, A.M. de Andrade Paes. Myricetin, the main flavonoid in *Syzygium cumini* leaf, is a novel inhibitor of platelet thiol isomerases PDI and ERp5. *Frontiers in Pharmacology*, 10:1678, 31 January 2020.
8. Phillip LR Nicolson, Sophie H. Nock, Joshua Hinds, Lourdes Garcia-Quintanilla, Christopher W. Smith, Joana Campos, Alexander Brill et al. Low dose Btk inhibitors selectively block platelet activation by CLEC-2. *Haematologica* 2020.
9. Nina Wolska, Magdalena Boncler, Dawid Polak, Joanna Wzorek, Tomasz Przygodzki, Magdalena Gapinska, Cezary Watala, Marcin Rozalski. Adenosine Receptor Agonists Exhibit Anti-platelet effects and the potential to overcome resistance to P2Y<sub>12</sub> receptor antagonists. Published online 2019 Dec 28. doi: 10.3390/molecules25010130. *Molecules* Jan 2020; 25(1): 130.

10. Subhashis Sarkar, Sachin K. S. Chauhan, John Daly, Alessandro Natoni, Heather Fairfield, Robert Henderson, Emma Nolan, Dawn Swan, Jinsong Hu, Michaela R. Reagan & Michael O'Dwyer. The CD<sub>3</sub>8<sup>low</sup> natural killer cell line KHYG<sub>1</sub> transiently expressing CD16<sup>F158V</sup> in combination with daratumumab targets multiple myeloma cells with minimal effector NK cell fratricide. *Cancer Immunol. Immunotherapy*. First Online: 09 January 2020.

**Total number of customer publications 2019: 34**

1. Tomoya Hayashi, Ryota Aminaka, Yoshihiro Fujimura, Yangsook Koh, Sari Sugaya, Akihiro Hayashi, Yoshiyuki Ueno, Rika A. Furuta, Yoshihiko Tani, Yoshihiro Takihara, Fumiya. A more efficient preparation system for HLA-eliminated platelets. *Int. J. Transfusion Med.* Online version.
2. Tischer, V.R. Machha, L. Moon-Tasson, L.M. Benson, M. Auton. Glycosylation Sterically Inhibits Platelet Adhesion to von Willebrand Factor without Altering Intrinsic Conformational Dynamics". *J. Thromb. & Haemostatis* 18 (1): 79-90.
3. D.A. Gorog, G.Y.H. Lip. Impaired Spontaneous/Endogenous Fibrinolytic Status as New Cardiovascular Risk Factor?: JACC Review Topic of the Week. *J. Am. Coll. Cardiol.* 74; 10: 1366-1375.
4. Fagerström, I.L., Ståhl A., Mossberg, M., Tati, R., Kristoffersson, A.C., & Karpman D. Blockade of the kallikrein-kinin system reduces endothelial complement activation in vascular inflammation. *EBioMedicine*, In Press.
5. El Hoss, S., Cochet, S., Marin, M., Lapoumériou, C., Dussiot, M., Bouazza, N., ... & Pellegrino, B. Insights into determinants of spleen injury in sickle cell anemia. *Blood Advances*, 3(15), 2328-2336.
6. Stainer, A. R., Sasikumar, P., Bye, A. P., Unsworth, A. J., Holbrook, L. M., Tindall, M., ... & Gibbins, J. M. (2019). The Metabolites of the Dietary Flavonoid Quercetin Possess Potent Antithrombotic Activity and Interact with Aspirin to Enhance Antiplatelet Effects. *TH Open*, 3(03), e244-e258.
7. Grosdidier, C., Blanz, K. D., Deharo, P., Bernot, D., Poggi, M., Bastelica, D., ... & Alessi, M. C. Platelet CD 40 ligand and bleeding during P2Y<sub>12</sub> inhibitor treatment in acute coronary syndrome. *Research and Practice in Thrombosis and Haemostasis*.
8. Liu, W. C., & Watt, A. A. R. (2019). Solvodynamic Printing as a High Resolution Printing Method. *Scientific Reports*, 9(1), 10766.
9. Berger, M., Raslan, Z., Aburima, A., Magwenzi, S., Wraith, K. S., SPurgeon, B. E., ... & Naseem, K. M. (2019). Atherogenic lipid stress induces platelet hyperactivity through CD36-mediated hyposensitivity to prostacyclin-; the role of phosphodiesterase 3A. *Haematologica*, haematol-2018.

10. Eaton, N., Drew, C., Wieser, J., Munday, A. D., & Falet, H. (2019). Dynamin 2 is required for GPVI signaling and platelet hemostatic function in mice. *Haematologica*, haematol-2019.
11. Nimjee, S. M., Dornbos III, D., Pitoc, G. A., Wheeler, D. G., Layzer, J. M., Venetos, N., ... & Rempel, R. E. (2019). Preclinical Development of a vWF Aptamer to Limit Thrombosis and Engender Arterial Recanalization of Occluded Vessels. *Molecular Therapy*.
12. Cao, X., Yakala, G. K., van den Hil, F. E., Cochrane, A., Mummery, C. L., & Orlova, V. V. (2019). Differentiation and Functional Comparison of Monocytes and Macrophages from hiPSCs with Peripheral Blood Derivatives. *Stem cell reports*, 12(6), 1282-1297.
13. Dorin-Semblat, D., Tétard, M., Claës, A., Semblat, J. P., Dechavanne, S., Fourati, Z., ... & Srivastava, A. (2019). Phosphorylation of the VAR2CSA extracellular region is associated with enhanced adhesive properties to the placental receptor CSA. *PLoS biology*, 17(6), e3000308.
14. Halaidych, V., Mummery, C. L., & Orlova, V. V. (2019). Quantifying Ca<sup>2+</sup> signaling and contraction in vascular pericytes and smooth muscle cells. *Biochemical and biophysical research communications*, 513(1), 112-118.
15. Houck, K., Yuan, H., Tian, Y., Solomon, M., Cramer, D., Liu, K., ... & Dong, J. F. (2019). Physical Proximity and Functional Cooperation of Glycoprotein 130 and Glycoprotein VI in Platelet Membrane Lipid Rafts. *Journal of Thrombosis and Haemostasis*.
16. Denis, M. L., Lefevre, S. D., Alvarez, C. L., Lauri, N., Enrique, N., Rinaldi, D. E., ... & Muñoz-Garay, C. (2019). Regulation of extracellular ATP of human erythrocytes treated with  $\alpha$ -hemolysin. Effects of cell volume, morphology, rheology and hemolysis. *Biochimica et Biophysica Acta (BBA)-Molecular Cell Research*, 1866(5), 896-915.
17. Hogan, S., Kasotakis, E., Maher, S., Cavanagh, B., O'Gara, J. P., Pandit, A., ... & O'Neill, E. (2019). A novel medical device coating prevents Staphylococcus aureus biofilm formation on medical device surfaces. *FEMS microbiology letters*, 366(9), fnz107.
18. Natoni, A., Farrell, M. L., Harris, S., Falank, C., Kirkham-McCarthy, L., Macauley, M. S., ... & O'Dwyer, M. (2019). Sialyltransferase inhibition leads to inhibition of tumor cell interactions with E-selectin, VCAM1, and MADCAM1, and improves survival in a human multiple myeloma mouse model. *Haematologica*, haematol-2018.
19. Maudsdotter, L., Ushijima, Y., & Morikawa, K. (2019). Fitness of Spontaneous Rifampicin-Resistant Staphylococcus aureus Isolates in a Biofilm Environment. *Frontiers in microbiology*, 10, 988.
20. Martínez-Burgo, B., Cobb, S. L., Pohl, E., Kashanin, D., Paul, T., Kirby, J. A., ... & Ali, S. (2019). AC-terminal CXCL 8 peptide based on chemokine-glycosaminoglycan interactions reduces neutrophil adhesion and migration during inflammation. *Immunology*, 157(2), 173-184.

21. Zhao, Z., Zhou, Y., Hilton, T., Li, F., Han, C., Liu, L., ... & Zhang, F. (2019). Extracellular mitochondria released from traumatized brains induced platelet procoagulant activity. *Haematologica*, haematol-2018.
22. Salamah, M. F., Ravishankar, D., Vaiyapuri, R., Moraes, L. A., Patel, K., Perretti, M., ... & Vaiyapuri, S. (2019). The formyl peptide fMLF primes platelet activation and augments thrombus formation. *Journal of Thrombosis and Haemostasis*.
23. Zhao, Z., Li, F., Guo, Q., Zhou, Y., Miao, Y., Li, Y., ... & Zhang, J. (2019). Structural and Functional Plasticity of Collagen Fibrils. *DNA and cell biology*, 38(4), 367-373.
24. Abubaker, A. A., Vara, D., Visconte, C., Eggleston, I., Torti, M., Canobbio, I., & Pula, G. (2019). Amyloid Peptide  $\beta$ 1-42 Induces Integrin  $\alpha$ IIb $\beta$ 3 Activation, Platelet Adhesion, and Thrombus Formation in a NADPH Oxidase-Dependent Manner. *Oxidative medicine and cellular longevity*, 2019.
25. Perdomo, J., Leung, H. H., Ahmadi, Z., Yan, F., Chong, J. J., Passam, F. H., & Chong, B. H. (2019). Neutrophil activation and NETosis are the major drivers of thrombosis in heparin-induced thrombocytopenia. *Nature communications*, 10(1), 1322.
26. Kizlik-Masson, C., Deveuve, Q., Zhou, Y., Vayne, C., Thibault, G., McKenzie, S. E., ... & Rollin, J. (2019). Cleavage of anti-PF4/heparin IgG by a bacterial protease and potential benefit in heparin-induced thrombocytopenia. *Blood*, 133(22), 2427-2435.
27. Dupuy, A., Ju, L. A., & Passam, F. H. (2018). Straight channel microfluidic chips for the study of platelet adhesion under flow. *eLIFE*.
28. Garcia, A., Dunoyer-Geindre, S., Zapilko, V., Nolli, S., Reny, J. L., & Fontana, P. (2019). Functional validation of microRNA-126-3p as a platelet reactivity regulator using human haematopoietic stem cells. *Thrombosis and haemostasis*, 119(02), 254-263.
29. Series, J., Garcia, C., Levade, M., Viaud, J., Sié, P., Ysebaert, L., & Payrastre, B. (2019). Differences and similarities in ibrutinib and acalabrutinib effects on platelet functions. *Haematologica*, haematol-2018.
30. Przygodzki, T., Kassassir, H., Talar, M., Siewiera, K., & Watala, C. (2019). Effects of three-month streptozotocin-induced diabetes in mice on blood platelet reactivity, COX-1 expression and adhesion potential. *International journal of experimental pathology*, 100(1), 41-48.
31. Li, B., Aid-Launais, R., Labour, M. N., Zenych, A., Juenet, M., Choqueux, C., ... & Chauvierre, C. (2019). Functionalized polymer microbubbles as new molecular ultrasound contrast agent to target P-selectin in thrombus. *Biomaterials*, 194, 139-150.
32. Storm, J., Jespersen, J. S., Seydel, K. B., Szeszak, T., Mbewe, M., Chisala, N. V., ... & Lavstsen, T. (2019). Cerebral malaria is associated with differential cytoadherence to brain endothelial cells. *EMBO molecular medicine*, 11(2), e9164.
33. Guy, A., Gourdou-Latyszenok, V., Le Lay, N., Peghaire, C., Kilani, B., Dias, J. V., ... & Boulaftali, Y. (2019). Vascular endothelial cell expression of JAK2V617F is sufficient to

promote a pro-thrombotic state due to increased P-selectin expression. *haematologica*, 104(1), 70-81.

34. Slobodianuk, T. L., Kochelek, C., Foeckler, J., Kalloway, S., Weiler, H., & Flood, V. H. (2019). Defective collagen binding and increased bleeding in a murine model of von Willebrand disease affecting collagen IV binding. *Journal of Thrombosis and Haemostasis*, 17(1), 63-71.

#### **Total number of customer publications 2018: 29**

1. Bagge, A., Schött, U., & Kander, T. (2018). High-dose omega-3 fatty acids have no effect on platelet aggregation or coagulation measured with static and flow-based aggregation instruments and Sonoclot; an observational study in healthy volunteers. *Scandinavian journal of clinical and laboratory investigation*, 78(7-8), 539-545.
2. Zhu, W., Buffa, J. A., Wang, Z., Warriar, M., Schugar, R., Shih, D. M., ... & Li, L. (2018). Flavin monooxygenase 3, the host hepatic enzyme in the metaorganismal trimethylamine N-oxide-generating pathway, modulates platelet responsiveness and thrombosis risk. *Journal of Thrombosis and Haemostasis*, 16(9), 1857-1872.
3. Jolly, L., Carrasco, K., Derive, M., Lemarié, J., Boufenzer, A., & Gibot, S. (2018). Targeted endothelial gene deletion of triggering receptor expressed on myeloid cells-1 protects mice during septic shock. *Cardiovascular research*, 114(6), 907-918.
4. Halaidych, V., van den Hil, F., Mummery, C. L., & Orlova, V. V. (2018). Microfluidic Assay for the Assessment of Leukocyte Adhesion to Human Induced Pluripotent Stem Cell-derived Endothelial Cells (hiPSC-ECs). *JoVE (Journal of Visualized Experiments)*, (141), e58678.
5. Wiklund, K., Zhang, H., Stangner, T., Singh, B., Bullitt, E., & Andersson, M. (2018). A drag force interpolation model for capsule-shaped cells in fluid flows near a surface. *Microbiology*, 164(4), 483-494.
6. Blair, T. A., Moore, S. F., Walsh, T. G., Hutchinson, J. L., Durrant, T. N., Anderson, K. E., ... & Hers, I. (2018). Phosphoinositide 3-kinase p110 $\alpha$  negatively regulates thrombopoietin-mediated platelet activation and thrombus formation. *Cellular signalling*, 50, 111-120.
7. Juenet, M., Aid-Launais, R., Li, B., Berger, A., Aerts, J., Ollivier, V., ... & Chauvierre, C. (2018). Thrombolytic therapy based on fucoidan-functionalized polymer nanoparticles targeting P-selectin. *Biomaterials*, 156, 204-216.
8. Six, K. R., Delabie, W., Devreese, K. M., Johnson, L., Marks, D. C., Dumont, L. J., ... & Feys, H. B. (2018). Comparison between manufacturing sites shows differential adhesion, activation, and GPIb $\alpha$  expression of cryopreserved platelets. *Transfusion*, 58(11), 2645-2656.

9. Berger, M., Wraith, K., Raslan, Z., Magwenzi, S., Aburima, A., Law, R., ... & Febbraio, M. (2018). 5060 Dyslipidemia associated oxidised ldl induces platelet hyperactivity through a cd36-dependent activation of pde3a. *European Heart Journal*, 39(suppl\_1), ehy566-5060.
10. Chen, R., Jin, G., Li, W., & McIntyre, T. M. (2018). Epidermal Growth Factor (EGF) Autocrine Activation of Human Platelets Promotes EGF Receptor–Dependent Oral Squamous Cell Carcinoma Invasion, Migration, and Epithelial Mesenchymal Transition. *The Journal of Immunology*, 201(7), 2154-2164.
11. Przygodzki, T., Wolska, N., Talar, M., Polak, D., Gapinska, M., & Watala, C. (2018). Comparison of different microscopy approaches to quantification of inhibitory effect on thrombus formation under flow conditions by the example of adenosine receptor agonist HE-NECA. *Journal of pharmacological and toxicological methods*, 94, 94-104.
12. Silveira, A. A. A., Dominical, V. M., Vital, D. M., Ferreira Jr, W. A., Costa, F. T. M., Werneck, C. C., ... & Conran, N. (2018). Attenuation of TNF-induced neutrophil adhesion by simvastatin is associated with the inhibition of Rho-GTPase activity, p50 activity and morphological changes. *International immunopharmacology*, 58, 160-165.
13. Carvalho, M. R., Maia, F. R., Vieira, S., Reis, R. L., & Oliveira, J. M. (2018). Tuning Enzymatically Crosslinked Silk Fibroin Hydrogel Properties for the Development of a Colorectal Cancer Extravasation 3D Model on a Chip. *Global Challenges*, 2(5-6), 1700100.
14. Valéra, M. C., Noirrit-Esclassan, E., Dupuis, M., Fontaine, C., Lenfant, F., Briaux, A., ... & Payrastre, B. (2018). Effect of estetrol, a selective nuclear estrogen receptor modulator, in mouse models of arterial and venous thrombosis. *Molecular and cellular endocrinology*, 477, 132-139.
15. Leenaerts, D., Loyau, S., Mertens, J. C., Boisseau, W., Michel, J. B., Lambeir, A. M., ... & Hendriks, D. (2018). Carboxypeptidase U (CPU, carboxypeptidase B2, activated thrombin-activatable fibrinolysis inhibitor) inhibition stimulates the fibrinolytic rate in different in vitro models. *Journal of Thrombosis and Haemostasis*, 16(10), 2057-2069.
16. Loyau, S., Ho-Tin-Noé, B., Bourrienne, M. C., Boulaftali, Y., & Jandrot-Perrus, M. (2018). Microfluidic Modeling of Thrombolysis: Effect of Antiplatelet and Anticoagulant Agents on tPA (Tissue-Type Plasminogen Activator)-Induced Fibrinolysis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, 38(11), 2626-2637.
17. Offenzeller, C., Knoll, M., Voglhuber-Brunnmaier, T., Hintermüller, M. A., Jakoby, B., & Hilber, W. (2018). Fully Screen Printed Thermocouple and Microheater Applied for Time-of-Flight Sensing in Microchannels. *IEEE Sensors Journal*, 18(21), 8685-8692.

18. Liu, Y., Chakrabarti, B., Saintillan, D., Lindner, A., & du Roure, O. (2018). Morphological transitions of elastic filaments in shear flow. *Proceedings of the National Academy of Sciences*, *115*(38), 9438-9443.
19. Alam, M. K., Koomson, E., Zou, H., Yi, C., Li, C. W., Xu, T., & Yang, M. (2018). Recent advances in microfluidic technology for manipulation and analysis of biological cells (2007–2017). *Analytica chimica acta*, *1044*, 29-65.
20. Roberts, A. B., Gu, X., Buffa, J. A., Hurd, A. G., Wang, Z., Zhu, W., ... & Barrington, W. T. (2018). Development of a gut microbe-targeted nonlethal therapeutic to inhibit thrombosis potential. *Nature medicine*, *24*(9), 1407.
21. South, K., Denorme, F., Salles-Crawley, I. I., De Meyer, S. F., & Lane, D. A. (2018). Enhanced activity of an ADAMTS-13 variant (R568K/F592Y/R660K/Y661F/Y665F) against platelet agglutination in vitro and in a murine model of acute ischemic stroke. *Journal of Thrombosis and Haemostasis*, *16*(11), 2289-2299.
22. Bounes, F. V., Mémier, V., Marcaud, M., Jacquemin, A., Hamzeh-Cognasse, H., Garcia, C., ... & Payrastre, B. (2018). Platelet activation and prothrombotic properties in a mouse model of peritoneal sepsis. *Scientific reports*, *8*.
23. Passam, F., Chiu, J., Ju, L., Pijning, A., Jahan, Z., Mor-Cohen, R., ... & Gräter, F. (2018). Mechano-redox control of integrin de-adhesion. *Elife*, *7*, e34843.
24. Brown, M., Johnson, L. A., Leone, D. A., Majek, P., Vaahtomeri, K., Senfter, D., ... & Hauschild, R. (2018). Lymphatic exosomes promote dendritic cell migration along guidance cues. *J Cell Biol*, *217*(6), 2205-2221.
25. Brusson M, De Grandis M, Cochet S, et al. Impact of hydroxycarbamide and interferon- $\alpha$  on red cell adhesion and membrane protein expression in polycythemia vera. *Haematologica*. 2018;103(6):972–981.
26. Butera, D., Passam, F., Ju, L., Cook, K. M., Woon, H., Aponte-Santamaría, C., ... & Luken, B. M. (2018). Autoregulation of von Willebrand factor function by a disulfide bond switch. *Science advances*, *4*(2), eaaq1477.
27. Carrington, E., Otto, T. D., Szeszak, T., Lennartz, F., Higgins, M. K., Newbold, C. I., & Craig, A. G. (2018). In silico guided reconstruction and analysis of ICAM-1-binding var genes from Plasmodium falciparum. *Scientific reports*, *8*(1), 3282.
28. Atkinson, L., Yusuf, M. Z., Aburima, A., Ahmed, Y., Thomas, S. G., Naseem, K. M., & Calaminus, S. D. J. (2018). Reversal of stress fibre formation by Nitric Oxide mediated RhoA inhibition leads to reduction in the height of preformed thrombi. *Scientific reports*, *8*(1), 3032.
29. Yang, A. J., Wang, M., Wang, Y., Cai, W., Li, Q., Zhao, T. T., ... & Mu, J. Y. (2018). Cancer cell-derived von Willebrand factor enhanced metastasis of gastric adenocarcinoma. *Oncogenesis*, *7*(1), 12.

**Total number of customer publications 2017: 33**

1. Silveira, A. A. A., Dominical, V. M., Almeida, C. B., Chweih, H., Ferreira Jr, W. A., Vicente, C. P., ... & Conran, N. (2018). TNF induces neutrophil adhesion via formin-



- dependent cytoskeletal reorganization and activation of  $\beta$ -integrin function. *Journal of leukocyte biology*, 103(1), 87-98.
2. Przygodzki, T., Talar, M., Kassassir, H., Mateuszuk, L., Musial, J., & Watala, C. (2018). Enhanced adhesion of blood platelets to intact endothelium of mesenteric vascular bed in mice with streptozotocin-induced diabetes is mediated by an up-regulated endothelial surface deposition of VWF–In vivo study. *Platelets*, 29(5), 476-485.
  3. Feenstra, T., Thøgersen, M. S., Wieser, E., Peschel, A., Ball, M. J., Brandes, R., ... & Kain, R. (2017). Adhesion of Escherichia coli under flow conditions reveals potential novel effects of FimH mutations. *European Journal of Clinical Microbiology & Infectious Diseases*, 36(3), 467-478.
  4. Jolly, L., Lemarié, J., Carrasco, K., Popovic, B., Derive, M., Boufenzer, A., & Gibot, S. (2017). Triggering receptor expressed on myeloid cells-1: a new player in platelet aggregation. *Thrombosis and haemostasis*, 117(09), 1772-1781.
  5. Jahn, K., Suchodolski, K., Schäfer, A., Sahlmann, B., Küster, U., Echtermeyer, F., ... & Johanning, K. (2017). Effect of clopidogrel on thrombus formation in an ex vivo parallel plate flow chamber model cannot be reversed by addition of platelet concentrates or vWF concentrate. *Anesthesia & Analgesia*, 124(4), 1091-1098.
  6. Six, K. R., Devloo, R., Van Aelst, B., Vandekerckhove, P., Feys, H. B., & Compernelle, V. (2017). A microfluidic flow chamber model for platelet transfusion and hemostasis measures platelet deposition and fibrin formation in real-time. *JoVE (Journal of Visualized Experiments)*, (120), e55351.
  7. Chatterjee, V., Samour, M., You, D., Kundu, S., Khorana, A. A., & McCrae, K. (2017). Cancer Cell-Derived Extracellular Vesicles Are Prothrombotic in an in-Vitro Vessel Model. *Blood*, 130(Suppl 1), 2308.
  8. Monfoulet, L. E., Mercier, S., Bayle, D., Tamaian, R., Barber-Chamoux, N., Morand, C., & Milenkovic, D. (2017). Curcumin modulates endothelial permeability and monocyte transendothelial migration by affecting endothelial cell dynamics. *Free Radical Biology and Medicine*, 112, 109-120.
  9. Weiss, N., Schenk, B., Bachler, M., Solomon, C., Fries, D., & Hermann, M. (2017). FITC-linked Fibrin-Binding Peptide and real-time live confocal microscopy as a novel tool to visualize fibrin (ogen) in coagulation. *Journal of clinical and translational research*, 3(2), 276.
  10. Pehrson, C., Heno, K. K., Adams, Y., Resende, M., Mathiesen, L., Soegaard, M., ... & Nielsen, M. A. (2017). Comparison of functional assays used in the clinical development of a placental malaria vaccine. *Vaccine*, 35(4), 610-618.
  11. Hogan, S., Zapotoczna, M., Stevens, N. T., Humphreys, H., O'Gara, J. P., & O'Neill, E. (2017). Potential use of targeted enzymatic agents in the treatment of Staphylococcus aureus biofilm-related infections. *Journal of Hospital Infection*, 96(2), 177-182

12. Birol, S. Z., Fucucuoglu, R., Cadirci, S., Sayi-Yazgan, A., & Trabzon, L. (2017). Investigation on the effects of variable shear stress on monocyte cell morphology. *Micro & Nano Letters*, 12(11), 881-885.
13. Guan, J. H., Ruiz-Gutiérrez, É., Xu, B. B., Wood, D., McHale, G., Ledesma-Aguilar, R., & Wells, G. G. (2017). Drop transport and positioning on lubricant-impregnated surfaces. *Soft matter*, 13(18), 3404-3410.
14. Movia, D., Di Cristo, L., Alnemari, R., McCarthy, J. E., Moustou, H., Lamy de la Chapelle, M., ... & Prina-Mello, A. (2017). The curious case of how mimicking physiological complexity in in vitro models of the human respiratory system influences the inflammatory responses. A preliminary study focused on gold nanoparticles. *Journal of Interdisciplinary Nanomedicine*, 2(2), 110-130.
15. Carvalho, M. R., Maia, F. R., Silva-Correia, J., Costa, B. M., Reis, R. L., & Oliveira, J. M. (2017). A semiautomated microfluidic platform for real-time investigation of nanoparticles' cellular uptake and cancer cells' tracking. *Nanomedicine*, 12(6), 581-596.
16. Ilkan, Z., Wright, J. R., Goodall, A. H., Gibbins, J. M., Jones, C. I., & Mahaut-Smith, M. P. (2017). Evidence for shear-mediated Ca<sup>2+</sup> entry through mechanosensitive cation channels in human platelets and a megakaryocytic cell line. *Journal of Biological Chemistry*, 292(22), 9204-9217.
17. Natoni, A., Smith, T. A., Keane, N., McEllistim, C., Connolly, C., Jha, A., ... & Kirkham-McCarthy, L. (2017). E-selectin ligands recognised by HECA452 induce drug resistance in myeloma, which is overcome by the E-selectin antagonist, GMI-1271. *Leukemia*, 31(12), 2642.
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5. Samuel, S. P., Jain, N., O'Dowd, F., Paul, T., Kashanin, D., Gerard, V. A., ... & Volkov, Y. (2012). Multifactorial determinants that govern nanoparticle uptake by human endothelial cells under flow. *International journal of nanomedicine*, *7*, 2943.
6. Vaiyapuri, S., Hutchinson, E. G., Ali, M. S., Dannoura, A., Stanley, R. G., Harrison, R. A., ... & Gibbins, J. M. (2012). Rhinocetin, a venom-derived integrin-specific antagonist inhibits collagen-induced platelet and endothelial cell functions. *Journal of Biological Chemistry*, *287*(31), 26235-26244.
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