

Author Index Volume 49 (2011)

Abegunewardene, N., K.-H. Schmidt, M. Vosseler, K.-F. Kreitner, L.M. Schreiber, H.-A. Lehr, T. Gori, T. Münzel and G. Horstick, Gene therapy with iNOS enhances regional contractility and reduces delayed contrast enhancement in a model of postischemic congestive heart failure	271–278
Agha, A., see Hornung, M.	83–90
Ahmadizad, S., A. Moradi, S. Nikookheslat, H. Ebrahimi, A. Rahbaran and P. Connes, Effects of age on hemorheological responses to acute endurance exercise	165–174
Antonova, N., P. Riha, I. Ivanov and Y. Gluhcheva, Experimental evaluation of mechanical and electrical properties of RBC suspensions in Dextran and PEG under flow II. Role of RBC deformability and morphology	441–450
Antonova, N., Preface	3–5
Antonova, N., see Clevert, D.A.	1
Antonova, N., see Gluhcheva, Y.	417–422
Antonova, N., see Velcheva, I.	505–511
Antonova, N., see Velcheva, I.	513–518
Atanasov, V., see Gluhcheva, Y.	417–422
Autschbach, R., see Dreyer, L.	391–397
Bahrami, M., see Sievers, H.	473–486
Bai, X., see Gehmert, S.	519–526
Baskurt, O.K., P. Ulker and H.J. Meiselman, Nitric oxide, erythrocytes and exercise	175–181
Bogdanova, A., see Reinhart, W.H.	307–313
Bonet, E., see Vayá, A.	493–503
Braune, S., A. Hönow, C. Mrowietz, J. Cui, K. Kratz, J. Hellwig, C. Üzüm, R.V. Klitzing, A. Lendlein and F. Jung, Hemocompatibility of soft hydrophobic poly(<i>n</i> -butyl acrylate) networks with elastic moduli adapted to the elasticity of human arteries	375–390
Brun, J.-F., E. Varlet-Marie, A.-J. Romain and E.R. de Mauverger, Interrelationships among body composition, blood rheology and exercise performance	183–197
Brun, J.-F., E. Varlet-Marie, C. Férou and E.R. de Mauverger, Body composition and exercise performance as determinants of blood rheology in middle-aged patients exhibiting the metabolic syndrome	215–223
Brun, J.-F., E. Varlet-Marie, D. Cassan and E.R. de Mauverger, Blood rheology and body composition as determinants of exercise performance in female rugby players	207–214
Brun, J.-F., see Romain, A.-J.	199–205
Brun, J.-F., see Varlet-Marie, E.	225–230
Bulaeva, S.V., see Muravyov, A.V.	431–439
Büttner, M., see Stock, K.F.	527–535
Cabral, P., see Vázquez, B.Y.S.	29–36

Cassan, D., see Brun, J.-F.	207–214
Clevert, D.A., A. Helck, M. D'Anastasi, V. Gürtler, W.H. Sommer, G. Meimarakis, R. Weidenhagen and M. Reiser, Improving the follow up after EVAR by using ultrasound image fusion of CEUS and MS-CT	91–104
Clevert, D.A., N. Antonova, F. Jung and S. Forconi, Welcome	1
Clevert, D.A., see D'Anastasi, M.	105–114
Clevert, D.A., see Helck, A.	537–550
Connes, P., R. Machado, O. Hue and H. Reid, Exercise limitation, exercise testing and exercise recommendations in sickle cell anemia	151–163
Connes, P., see Ahmadizad, S.	165–174
Connes, P., see Simmonds, M.J.	231–241
Corella, D., see Vayá, A.	493–503
Crispin, A., see D'Anastasi, M.	105–114
Cui, J., see Braune, S.	375–390
D'Anastasi, M., B.S. Schneivoigt, M. Trottmann, A. Crispin, C. Stief, M.F. Reiser and D.A. Clevert, Acoustic radiation force impulse imaging of the testes: A preliminary experience	105–114
D'Anastasi, M., see Clevert, D.A.	91–104
D'Anastasi, M., see Helck, A.	537–550
da Silva, N.P.B., see Schreyer, A.G.	129–136
Damaske, A., S. Muxel, F. Fasola, M.C. Radmacher, S. Schaefer, A. Jabs, D. Orphal, P. Wild, J.D. Parker, M. Fineschi, T. Munzel, S. Forconi and T. Gori, Peripheral hemorheological and vascular correlates of coronary blood flow	261–269
Damianov, P., see Velcheva, I.	505–511
Damianov, P., see Velcheva, I.	513–518
de Almeid, J.P.L., T. Freitas-Santos and C. Saldanha, Evidence that the degree of band 3 phosphorylation modulates human erythrocytes nitric oxide efflux – <i>in vitro</i> model of hyperfibrinogenemia	407–416
de Mauverger, E.R., see Brun, J.-F.	183–197
de Mauverger, E.R., see Brun, J.-F.	207–214
de Mauverger, E.R., see Brun, J.-F.	215–223
de Mauverger, E.R., see Romain, A.-J.	199–205
de Mauverger, E.R., see Varlet-Marie, E.	225–230
Dendl, L.M., see Schreyer, A.G.	129–136
Dimitrova, V., see Velcheva, I.	505–511
Dornia, C., see Schreyer, A.G.	129–136
Dreyer, L., B. Krolitzki, R. Autschbach, P. Vogt, T. Welte, A. Ngezahayo and B. Glasmacher, An advanced cone-and-plate reactor for the <i>in vitro</i> -application of shear stress on adherent cells	391–397
Ebrahimi, H., see Ahmadizad, S.	165–174
Ehrhard, M., see Rueef, P.	315–322
Englert, C., see Lechler, P.	279–286
Fasola, F., see Damaske, A.	261–269
Fédou, C., see Brun, J.-F.	215–223
Fédou, C., see Varlet-Marie, E.	225–230
Feijen, J., see Song, Y.	357–374
Fineschi, M., see Damaske, A.	261–269
Forconi, S., P. Wild, T. Munzel and T. Gori, Endothelium and hyperviscosity	487–491
Forconi, S., see Clevert, D.A.	1
Forconi, S., see Damaske, A.	261–269
Forconi, S., see Luca, M.C.	287–293

- Fornal, M., R.A. Korbut and T. Grodzicki, Relevance of erythrocyte deformability to the concentration of soluble cell adhesion molecules and glomerular filtration rate in patients with untreated essential hypertension 323–329
- Freitas-Santos, T., see de Almeid, J.P.L. 407–416
- Friedrich, C., see Schreyer, A.G. 129–136
- Fritzsching, B., see Ruef, P. 315–322
- Frommhold, D., see Ruef, P. 315–322
- Gehmert, S., S. Gehmert, X. Bai, S. Klein, O. Ortmann and L. Prantl, Limitation of *in vivo* models investigating angiogenesis in breast cancer 519–526
- Gehmert, S., see Gehmert, S. 519–526
- Gehmert, S., see Müller, S. 115–128
- Geis, S., see Prantl, L. 251–259
- Geissmann-Ott, C., see Reinhart, W.H. 307–313
- Georgieva, M., see Rennert, J. 67–81
- Gettmann, T., see Wenzel, F. 399–406
- Giers, G., see Wenzel, F. 399–406
- Glasmacher, B., see Dreyer, L. 391–397
- Gluhcheva, Y., I. Ivanov, V. Atanasov, N. Antonova, J. Ivanova and M. Mitewa, Hematological changes in case of chronic cadmium intoxication and monensin detoxication. Relationship with rheological variables 417–422
- Gluhcheva, Y., see Antonova, N. 441–450
- Gori, T., see Abegunewardene, N. 271–278
- Gori, T., see Damaske, A. 261–269
- Gori, T., see Forconi, S. 487–491
- Gori, T., see Luca, M.C. 287–293
- Gori, T., Viscosity, platelet activation, and hematocrit: Progress in understanding their relationship with clinical and subclinical vascular disease 37–42
- Gosau, M., see Müller, S. 115–128
- Gosau, M., see Prantl, L. 251–259
- Gössmann, H., see Uller, W. 55–66
- Greis, C., Quantitative evaluation of microvascular blood flow by contrast-enhanced ultrasound (CEUS) 137–149
- Grifka, J., see Lechler, P. 279–286
- Grijpma, D.W., see Song, Y. 357–374
- Grodzicki, T., see Fornal, M. 323–329
- Gürtler, V., see Clevert, D.A. 91–104
- Heemann, U., see Stock, K.F. 527–535
- Helck, A., M. D'Anastasi, M. Notohamiprodjo, S. Thieme, M. Reiser and D.A. Clevert, Improved visualization of renal lesions using three-dimensional ultrasound – a feasibility study 537–550
- Helck, A., see Clevert, D.A. 91–104
- Hellwig, J., see Braune, S. 375–390
- Hernández-Mijares, A., see Vayá, A. 493–503
- Hiebl, B., see Mayer, A. 423–430
- Holler, E., see Schreyer, A.G. 129–136s
- Hönow, A., see Braune, S. 375–390
- Hornung, M., E.M. Jung, C. Stroszczynski, H.J. Schlitt and A. Agha, Contrast-enhanced ultrasonography (CEUS) using early dynamic in microcirculation for localization of pathological parathyroid glands: First-line or complimentary diagnostic modality? 83–90
- Horstick, G., see Abegunewardene, N. 271–278
- Hue, O., see Connes, P. 151–163

Intaglietta, M., see Vázquez, B.Y.S.	29–36
Ivanov, I., see Antonova, N.	441–450
Ivanov, I., see Gluhcheva, Y.	417–422
Ivanova, J., see Gluhcheva, Y.	417–422
Jabs, A., see Damaske, A.	261–269
Jung, E.M., see Hornung, M.	83–90
Jung, E.M., see Müller, S.	115–128
Jung, E.M., see Prantl, L.	251–259
Jung, E.M., see Rennert, J.	67–81
Jung, E.M., see Schreyer, A.G.	129–136
Jung, E.M., see Uller, W.	55–66
Jung, E.M., see Wiggermann, P.	43–54
Jung, F., B. Leithäuser, R. Sternitzky, C. Mrowietz and G. Pindur, Correlation between postischemic vasodilation of the arteria brachialis and of the postischemic hyperemia in the adjacent microvascular bed	243–250
Jung, F., Laudatio for the 2011 Fåhraeus Awardee: Prof. Dr. Hans Walter Reinhart	7–10
Jung, F., see Braune, S.	375–390
Jung, F., see Clevert, D.A.	1
Jung, F., see Mayer, A.	423–430
Jung, W., see Rennert, J.	67–81
Juricskay, I., see Papp, J.	331–346
Käßmeyer, S., see Sievers, H.	473–486
Kemmner, S., see Stock, K.F.	527–535
Kenyeres, P., see Papp, J.	331–346
Kesmarky, G., see Papp, J.	331–346
Kiss, R., see Papp, J.	331–346
Klebl, F., see Uller, W.	55–66
Klein, B.S., see Stock, K.F.	527–535
Klein, S., see Gehmert, S.	519–526
Klein, S.M., see Lechler, P.	279–286
Klitzing, R.V., see Braune, S.	375–390
Koch, L., see Ruef, P.	315–322
Korbut, R.A., see Fornal, M.	323–329
Kratz, K., see Braune, S.	375–390
Kreitner, K.-F., see Abegunewardene, N.	271–278
Krolitzki, B., see Dreyer, L.	391–397
Küchle, C., see Stock, K.F.	527–535
Laiz, B., see Vayá, A.	493–503
Landfried, K., see Schreyer, A.G.	129–136
Lechler, P., S.M. Klein, L. Prantl, C. Englert, T. Renkawitz and J. Grifka, Hypoxic downregulation of cellular proliferation and loss of phenotype stability in human osteoblasts is mediated by HIF-1 α	279–286
Lehr, H.-A., see Abegunewardene, N.	271–278
Leithäuser, B., see Jung, F.	243–250
Lendlein, A., see Braune, S.	375–390
Lendlein, A., see Mayer, A.	423–430
Lendlein, A., see Wischke, C.	347–355
Liuni, A., see Luca, M.C.	287–293
Loss, M., see Wiggermann, P.	43–54
Luca, M.C., A. Liuni, S. Muxel, T. Müntzel, S. Forconi, T. Gori and J.D. Parker, Chronic pharmacological preconditioning against ischemia	287–293

Machado, R., see Connes, P.	151–163
Mantarova, S., see Velcheva, I.	505–511
Mantarova, S., see Velcheva, I.	513–518
Marshall-Gradisnik, S.M., see Simmonds, M.J.	231–241
Matevossian, E., see Stock, K.F.	527–535
Mayer, A., B. Hiebl, A. Lendlein and F. Jung, Support of HUVEC proliferation by pro-angiogenic intermediate CD163 ⁺ monocytes/macrophages: A co-culture experiment	423–430
Meimarakis, G., see Clevert, D.A.	91–104
Meiselman, H.J., see Baskurt, O.K.	175–181
Mikhailova, S.G., see Tikhomirova, I.A.	295–305
Miloradov, M.J., see Muravyov, A.V.	431–439
Mitewa, M., see Gluhcheva, Y.	417–422
Moradi, A., see Ahmadizad, S.	165–174
Moralis, A., see Müller, S.	115–128
Mrowietz, C., see Braune, S.	375–390
Mrowietz, C., see Jung, F.	243–250
Müller, S., M. Gosau, D. Strobel, S. Gehmert, A. Moralis, T.E. Reichert, L. Prantl and E.M. Jung, Assessment of bone microcirculation by contrast-enhanced ultrasound (CEUS) and [18F]-positron emission tomography/computed tomography in free osseous and osseocutaneous flaps for mandibular reconstruction: Preliminary results	115–128
Münzel, T., see Abegunewardene, N.	271–278
Münzel, T., see Damaske, A.	261–269
Münzel, T., see Forconi, S.	487–491
Münzel, T., see Luca, M.C.	287–293
Muravyov, A.V., S.V. Bulaeva, I.A. Tikhomirova, A.V. Zamishlayev, E.V. Uzikova and M.J. Miloradov, Macro- and microrheological parameters of blood in patients with cerebral and peripheral atherosclerosis: The molecular change mechanisms after pentoxifylline treatment	431–439
Muxel, S., see Luca, M.C.	287–293
Muxel, S., see Damaske, A.	261–269
Ngezahayo, A., see Dreyer, L.	391–397
Nikookheslat, S., see Ahmadizad, S.	165–174
Notohamiprodjo, M., see Helck, A.	537–550
Orphal, D., see Damaske, A.	261–269
Ortmann, O., see Gehmert, S.	519–526
Osliyakova, A.O., see Tikhomirova, I.A.	295–305
Papp, J., A. Toth, B. Sandor, R. Kiss, M. Rabai, P. Kenyeres, I. Juricskay, G. Kesmarky, S. Szabados and K. Toth, The influence of on-pump and off-pump coronary artery bypass grafting on hemorheological parameters	331–346
Parker, J.D., see Damaske, A.	261–269
Parker, J.D., see Luca, M.C.	287–293
Pérez, R., see Vayá, A.	493–503
Pfeifer, C., see Prantl, L.	251–259
Pindur, G., see Jung, F.	243–250
Plendl, J., see Sievers, H.	473–486
Poesch, J., see Rueef, P.	315–322
Poot, A.A., see Song, Y.	357–374
Poschenrieder, F., see Schreyer, A.G.	129–136
Prantl, L., C. Pfeifer, S. Geis, M. Gosau and E.M. Jung, Osteocutaneous free flaps: A critical analysis of quantitative evaluation of bone microcirculation with contrast-enhanced high resolution ultrasound (hrCEUS) and TIC analysis	251–259

Prantl, L., see Gehmert, S.	519–526
Prantl, L., see Lechler, P.	279–286
Prantl, L., see Müller, S.	115–128
Rabai, M., see Papp, J.	331–346
Radmacher, M.C., see Damaske, A.	261–269
Rahbaran, A., see Ahmadizad, S.	165–174
Regenbogen, C., see Stock, K.F.	527–535
Reichert, T.E., see Müller, S.	115–128
Reid, H., see Connes, P.	151–163
Reinhart, W.H., C. Geissmann-Ott and A. Bogdanova, Activation of N-methyl D aspartate (NMDA) receptors has no influence on rheological properties of erythrocytes	307–313
Reinhart, W.H., Peculiar red cell shapes: Fåhraeus Lecture 2011	11–27
Reinhart, W.H., T. Schulzki, Metabolic depletion decreases the aggregability of erythrocytes	451–461
Reiser, M., see Clevert, D.A.	91–104
Reiser, M., see Helck, A.	537–550
Reiser, M.F., see D'Anastasi, M.	105–114
Renders, L., see Stock, K.F.	527–535
Renkawitz, T., see Lechler, P.	279–286
Rennert, J., M. Georgieva, A.G. Schreyer, W. Jung, C. Ross, C. Stroszczynski and E.M. Jung, Image fusion of contrast enhanced ultrasound (CEUS) with computed tomography (CT) or magnetic resonance imaging (MRI) using volume navigation for detection, characterization and planning of therapeutic interventions of liver tumors	67–81
Riha, P., see Antonova, N.	441–450
Romain, A.-J., J.-F. Brun, E. Varlet-Marie and E.R. de Mauverger, Effects of exercise training on blood rheology: A meta-analysis	199–205
Romain, A.-J., see Brun, J.-F.	183–197
Ross, C., see Rennert, J.	67–81
Ruef, P., M. Ehrhard, D. Frommhold, L. Koch, B. Fritzsching and J. Poeschl, Lipid A decreases human erythrocytes deformability by increasing intracellular Ca^{2+} : Effects of verapamil, staurosporine and the rho-kinase inhibitor Y-27632	315–322
Sabapathy, S., see Simmonds, M.J.	231–241
Saldanha, C., J.P.L. de Almeida, Erythrocyte as a link between basic and clinical research	463–472
Saldanha, C., see de Almeid, J.P.L.	407–416
Salzberger, B., see Uller, W.	55–66
Sandor, B., see Papp, J.	331–346
Schaefer, S., see Damaske, A.	261–269
Scherer, M.N., see Wigermann, P.	43–54
Schlitt, H.J., see Hornung, M.	83–90
Schmidt, K.-H., see Abegunewardene, N.	271–278
Schneeweigt, B.S., see D'Anastasi, M.	105–114
Schreiber, L.M., see Abegunewardene, N.	271–278
Schreyer, A.G., K. Landfried, E.M. Jung, N.P.B. da Silva, F. Poschenrieder, C. Dornia, P. Wigermann, L.M. Dendl, E. Holler, C. Stroszczynski and C. Friedrich, Contrast-enhanced ultrasound for differential diagnosis of suspected GvHD in patients after allogeneic transplantation	129–136
Schreyer, A.G., see Rennert, J.	67–81
Schreyer, A.G., see Wigermann, P.	43–54
Schulzki, T., see Reinhart, W.H.	451–461
Sendra, R., see Vayá, A.	493–503
Sievers, H., M. Bahrami, S. Käßmeyer and J. Plendl, <i>In vitro</i> angiogenic potency in human microvascular endothelial cells derived from myocardium, lung and skin	473–486

- Simmonds, M.J., J. Tripette, S. Sabapathy, S.M. Marshall-Gradisnik and P. Connes, Cardiovascular dynamics during exercise are related to blood rheology 231–241
- Solá, E., see Vayá, A. 493–503
- Sommer, W.H., see Clevert, D.A. 91–104
- Song, Y., J. Feijen, D.W. Grijpma and A.A. Poot, Tissue engineering of small-diameter vascular grafts: A literature review 357–374
- Sternitzky, R., see Jung, F. 243–250
- Stief, C., see D'Anastasi, M. 105–114
- Stock, K.F., B.S. Klein, M.T. Vo Cong, C. Regenbogen, S. Kemmner, M. Büttner, S. Wagenpfeil, E. Matevossian, L. Renders, U. Heemann and C. Küchle, ARFI-based tissue elasticity quantification and kidney graft dysfunction: First clinical experiences 527–535
- Stoyneva, Z., see Velcheva, I. 505–511
- Strobel, D., see Müller, S. 115–128
- Stroszczynski, C., see Hornung, M. 83–90
- Stroszczynski, C., see Rennert, J. 67–81
- Stroszczynski, C., see Schreyer, A.G. 129–136
- Stroszczynski, C., see Uller, W. 55–66
- Stroszczynski, C., see Wiggermann, P. 43–54
- Szabados, S., see Papp, J. 331–346
- Thieme, S., see Helck, A. 537–550
- Tikhomirova, I.A., A.O. Oslyakova and S.G. Mikhailova, Microcirculation and blood rheology in patients with cerebrovascular disorders 295–305
- Tikhomirova, I.A., see Muravyov, A.V. 431–439
- Toth, A., see Papp, J. 331–346
- Toth, K., see Papp, J. 331–346
- Tripette, J., see Simmonds, M.J. 231–241
- Trottmann, M., see D'Anastasi, M. 105–114
- Tsai, A.G., see Vázquez, B.Y.S. 29–36
- Ulker, P., see Baskurt, O.K. 175–181
- Uller, W., P. Wiggermann, H. Gössmann, F. Klebl, B. Salzberger, C. Stroszczynski and E.M. Jung, Evaluation of the microcirculation of hepatocellular carcinomas using contrast-enhanced ultrasound with intraarterial and intravenous contrast application during transarterial chemoembolization with drug-eluting beads (DEB-TACE): Preliminary data 55–66
- Uzikova, E.V., see Muravyov, A.V. 431–439
- Üzüm, C., see Braune, S. 375–390
- Varlet-Marie, E., J.-F. Brun, C. Féodou and E.R. de Mauverger, Blood rheology and body composition as determinants of exercise performance in male soccer players 225–230
- Varlet-Marie, E., see Brun, J.-F. 183–197
- Varlet-Marie, E., see Brun, J.-F. 207–214
- Varlet-Marie, E., see Brun, J.-F. 215–223
- Varlet-Marie, E., see Romain, A.-J. 199–205
- Vayá, A., A. Hernández-Mijares, E. Bonet, R. Sendra, E. Solá, R. Pérez, D. Corella and B. Laiz, Association between hemorheological alterations and metabolic syndrome 493–503
- Vázquez, B.Y.S., P. Cabrales, A.G. Tsai and M. Intaglietta, Nonlinear cardiovascular regulation consequent to changes in blood viscosity 29–36
- Velcheva, I., P. Damyanov, N. Antonova, Z. Stoyneva, S. Mantarova and V. Dimitrova, Hemorheology and vascular reactivity in patients with diabetes mellitus type 2 505–511
- Velcheva, I., P. Damyanov, S. Mantarova and N. Antonova, Hemorheology and heart rate variability in patients with diabetes mellitus type 2 513–518
- Vo Cong, M.T., see Stock, K.F. 527–535
- Vogt, P., see Dreyer, L. 391–397

- Vosseler, M., see Abegunewardene, N. 271–278
Wagenpfeil, S., see Stock, K.F. 527–535
Weidenhagen, R., see Clevert, D.A. 91–104
Welte, T., see Dreyer, L. 391–397
Wenzel, F., T. Gettmann, N. Zimmermann and G. Giers, Alterations of serum erythropoietin and thrombopoietin levels in patients undergoing Coronary Artery Bypass Grafting (CABG) 399–406
Wiggermann, P., I. Zuber-Jerger, Y. Zausig, M. Loss, M.N. Scherer, A.G. Schreyer, C. Stroszczynski and E.M. Jung, Contrast-enhanced ultrasound improves real-time imaging of ablation region during radiofrequency ablation: Preliminary results 43–54
Wiggermann, P., see Schreyer, A.G. 129–136
Wiggermann, P., see Uller, W. 55–66
Wild, P., see Damaske, A. 261–269
Wild, P., see Forconi, S. 487–491
Wischke, C., A. Lendlein, Designing multifunctional polymers for cardiovascular implants 347–355
Zamishlayev, A.V., see Muravyov, A.V. 431–439
Zausig, Y., see Wiggermann, P. 43–54
Zimmermann, N., see Wenzel, F. 399–406
Zuber-Jerger, I., see Wiggermann, P. 43–54