

2014

M. Lenartowicz, R. R. Starzyński, W. Krzeptowski, P. Grzmil, A. Bednarz, M. Ogórek, R. Staroń, A. Gajowiak, P. Lipiński (2014) Decrease in SOD1 activity leads to haemolysis and iron metabolism disturbances in mosaic mutant mice [Atp7a^{mo-ms}], an animal model of Menkes disease. The European Iron Club for Professionals in Biomedical Inorganic Iron, Meeting 2014, Educational, September 11-14, Verona, Italy

R. Staroń, A. Gajowiak, E. Smuda, P. Lipiński, W. Krzeptowski, M. Lenartowicz, M. Gajewska, M. Pieszka, D. Bednarska-Łojewska, D. W. Swinkels, R. van Swelm, R. R. Starzyński (2014) Oral supplementation of anemic piglets with heme iron: efficacy in correcting anaemia and molecular mechanism of heme iron absorption. The European Iron Club for Professionals in Biomedical Inorganic Iron, Meeting 2014, Educational, September 11-14, Verona, Italy

R. Staroń, A. Gajowiak, E. Smuda, P. Lipiński, W. Krzeptowski, M. Lenartowicz, M. Gajewska, M. Pieszka, D. W. Bednarska-Łojewska, D. Swinkels, R. van Swelm, A. Jończy, O. Pierzchała, R. R. Starzyński (2014) Effectiveness of dietary heme iron for the improvement of iron status: insights from pig and mouse models of iron deficiency. 8th International Conference on Heme Oxygenases, Iron and Oxidative Stress, 8-11 October, Sydney, Australia

R. Staroń, A. Gajowiak, E. Smuda, P. Lipiński, W. Krzeptowski, M. Lenartowicz, R. R. Starzyński (2014) Recovery of mice lacking heme oxygenase 1 from iron deficiency following a dietary heme iron supplementation. The European Iron Club for Professionals in Biomedical Inorganic Iron, Meeting 2014, Educational, September 11-14, Verona, Italy

D. Lachowski, J. Filipowska, A. M. Osyczka (2014) Osteogenic effects of media perfusion in 3D hMSC cultures depends on the stimulation regime and cell differentiation stage. BIO 2014 Congress, 1st Congress of the Polish Biochemistry, Cell Biology, Biophysics and Bioinformatics, 9-12 September, Warsaw, Poland

M. Dubiel, G. Tylko (2014) Quantitative analysis of elements in biological materials using energy-dispersive spectrometry and scanning electron microscopy. XV International Conference on Electron Microscopy, 15-18 September, Kraków, Poland

M. Dubiel, B. Uryć, A. M. Osyczka, G. Tylko (2014) BMP-2 increases RO/NS levels in serum-free cultures of human bone-marrow derived mesenchymal progenitor cell line. BIO 2014 Congress, 1st Congress of the Polish Biochemistry, Cell Biology, Biophysics and Bioinformatics, 9-12 September, Warsaw, Poland

J. Majerczak, M. Grandys, S. Golda, M. Korostyński, W. Kilarski, J. A. Żołądź (2014) Moderate-intensity endurance training enhances expression of angiogenic factors in *vastus lateralis* muscle in humans. Seminarium JCET 22nd, Conference on Endothelium, 5-8 czerwca, Wierchomla, Poland

J. Strzęp (2014) Mutation in GBA gene involved in Gaucher disease in the eye of *D. melanogaster* affects circadian plasticity and lifespan. NEURONUS 2014 IBRO and IRUN Neuroscience Forum, 25-27 April, Kraków, Poland

E. Kijak (2014) Involvement of TOR signaling pathway in the regulation of circadian rhythms. NEURONUS 2014 IBRO and IRUN Neuroscience Forum, 25-27 April, Kraków, Poland

D. Lachowski, J. Filipowska, G. Tylko, A. M. Osyczka (2014) Response of human mesenchymal STEM cells to perfusion flow depends on their differentiation stage. Herbert Fleisch Workshop, International Bone and Mineral Society, 16-18 March, Brugge, Belgium

M. Dubiel, J. Lasota, A. M. Osyczka, G. Tylko (2014) Nuclear localization of SMAD1/5/8 promoted under serum-free conditions in BMP-2 stimulated HMSC. Herbert Fleisch Workshop, International Bone and Mineral Society, 16-18 March, Brugge, Belgium

J. Filipowska, J. Kokoszka, K. Cholewa-Kowalska, M. Łączka, G. Tylko, A. M. Osyczka (2014) Bioactive glass-PLGA 3D composites influence osteogenic response of human BMSC in static and dynamic culture conditions. Herbert Fleisch Workshop, International Bone and Mineral Society, 16-18 March, Brugge, Belgium

M. Damulewicz, A. Łoboda, K. Bukowska-Strakova, J. Dulak, E. Pyza (2014) Circadian rhythms of the α subunit of Na⁺/K⁺-ATPase gene and protein in the epithelial glial cells and L2 interneuron of *Drosophila melanogaster* are partly controlled by PDF. SRBR 2014, Conference Society for Research on Biological Rhythms, 14-18 June, Montana, USA

E. Kijak, E. Pyza (2014) Involvement of autophagy in the regulation of circadian rhythms in *Drosophila melanogaster*. Neurofly 2014, European Fly Neurobiology, 5-9 October, Crete, Greece.

M. Damulewicz, A. Łoboda, A. Józkowicz, J. Dulak, E. Pyza (2014) The role of heme oxygenase in the circadian clock of the retina of *Drosophila melanogaster*. Neurofly 2014, European Fly Neurobiology, 5-9 October, Crete, Greece.

K. Greń, B. Uryć, M. Sowa, A. Mościcki, G. Tylko, A. M. Osyczka, R. Zagalak, W. Simka (2014): Plasma electrolytic oxidation of osteoplastic dental implants. European Association for Osseointegration Congress, 25-27 September, 2014, Rome, Italy.

M. Damulewicz, A. Łoboda, A. Józkowicz, J. Dulak, E. Pyza (2014) The effect of heme oxygenase on the circadian rhythm in the retina of *Drosophila melanogaster*. 8th International Conference on Heme Oxygenases, Biolron and Oxidative Stress, 8-11 October, Sydney, Australia