RNDr. Ima Dovinová, PhD. – independet researcher. Works as Assistant Professor at the Department of Laboratory Medicine, Faculty of Public Healths and Social Work University of Trnava, and external superviser at the Institute of Biochemistry and Microbiology, Faculty of Chemical and Food Technology STU. She works as an independet researcher at the Institute of Normal and Pathologicla Physiology, Slovak Academy of Sciences. She teaches pathology, toxicology and pharmacology, and laboratory calculations.
Her focus in experimental work is on the redox regulation in cardiovascular disorders on animal models and patient samples with cardiovascular risks and disorders. She mastered several experimental techniques: biomonitoring of animal and pacient samples, fluorescence, chemiluminiscence and radioctive methods, as well as molecular-biological detection of selected genes, proteins and enzyme activities. She has been PhD supervisor since 2011 and supervisor of bachelor and diploma students from 2008.

DoB: 1964
PhD. : 1999
Independent researcher: 2007

Most important publications from 2007 to 2016:

1. DOVINOVÁ, Ima* - BARANČÍK, Miroslav - MAJZÚNOVÁ, Miroslava - ZÓRAD, Štefan - GAJDOŠECHOVÁ, Lucia - GREŠOVÁ, L. - ČAČÁNYIOVÁ, Soňa - KRISTEK, František - BALIŠ, Peter - CHAN JULIE, Y.H. Effects of PPARγ agonist pioglitazone on redox-sensitive cellular signaling in young spontaneously hypertensive rats. In PPAR Research, 2013, vol. 2013, p. 1-11. (2.685 - IF2012). ISSN 1687-4757. * corresponding author

2. WU, Kay L.H. - CHAO, Yung-Mei - TSAY, Shiow-Jen - CHEN, Chen Hsiu - CHAN, Samuel H.H. - DOVINOVÁ, Ima* - CHAN JULIE, Y.H. Role of nitric oxide synthase uncoupling at rostral ventrolateral medulla in redox-sensitive hypertension associated with metabolic syndrome. In Hypertension, 2014, vol. 64, no. 4, p.815-824. (7.632 - IF2013). ISSN 0194-911X. * corresponding author

3. MAJZÚNOVÁ, Miroslava - DOVINOVÁ, Ima* - BARANČÍK, Miroslav - CHAN JULIE, Y.H. Redox signaling in pathophysiology of hypertension. In Journal of Biomedical Science, 2013, vol. 20, p. 69-78. (2.458 - IF2012). ISSN 1021-7770. * corresponding author

4. ČAČÁNYIOVÁ, Soňa - DOVINOVÁ, Ima - KRISTEK, František. The role of oxidative stress in acetylcholine-induced relaxation of endothelium-denuded arteries. In Journal of Physiology and Pharmacology 2013, vol. 64, no. 2, p. 241-247. (2.476 - IF2012). ISSN 0867-5910.

5. BARTEKOVÁ, Monika - ŠIMONČÍKOVÁ, Petra - FOGARASSYOVÁ, Mária - IVANOVÁ, Monika - OKRUHLICOVÁ, Ľudmila - TRIBULOVÁ, Narcis - DOVINOVÁ, Ima - BARANČÍK, Miroslav. Quercetin Improves Postischemic Recovery of Heart

Function in Doxorubicin-Treated Rats and Prevents Doxorubicin-Induced Matrix Metalloproteinase-2 Activation and Apoptosis Induction. In International Journal of Molecular Sciences, 2015, vol. 16, no. 4, p. 8168-8185. (2.862 - IF2014). ISSN 1422-0067.

6. VRANKOVÁ, Stanislava - BARTA, Andrej - KLIMENTOVÁ, Jana - DOVINOVÁ, Ima - LÍŠKOVÁ, Silvia - DOBEŠOVÁ, Zdena - PECHÁŇOVÁ, Oľga - KUNEŠ, Jaroslav - ZICHA, Josef. The regulatory role of nuclear factor kappa B in the heart of hereditary hypertriglyceridemic rat. In Oxidative medicine and cellular longevity, 2016, vol. 2016, article ID 9814038, 6 p. (4.492 - IF2015) ISSN 1942-0900.

7. PECHÁŇOVÁ, Oľga - ZICHA, Josef - PAULIS, Ľudovít - ZENEBE, Woineshet - DOBEŠOVÁ, Zdena - KOJŠOVÁ, Stanislava - JENDEKOVÁ, Lýdia - SLÁDKOVÁ, Martina - DOVINOVÁ, Ima - ŠIMKO, Fedor - KUNEŠ, Jaroslav. The effect of N-acetylcysteine and melatonin in adult spontaneously hypertensive rats with established hypertension. In European Journal of Pharmacology : international journal, 2007, vol. 561, no. 1-3, pp. 129-136. (2.522 - IF2006). (2007 - Current Contents). ISSN 0014-2999.

Grants

Project leader (1-3), co-ordinator (4) and team member (5-8) of 8 projects in previous 5 years

1. VEGA 2/0148/17 Study of critical endogenous biomarkers and signaling pathways in hypertension and cardiovascular diseases. Project leader, 2017 – 2019.

2. VEGA 2/0129/14 -Effect of PPAR gamma agonists on antioxidant response and on regulation of radical and cell signaling in hypertension. Project leader, 2014 – 2016.

3. SAS-NSC JRP 2010/01 Bilateral grant. Study of interactions between reactive oxygen species and nitric oxide in search for novel mechanisms of hypertension. Project leader, 2011- 2013.

4. APVV-0348-12 Study of regulation of radical and cellular signaling during hypertension and influence of novel therapies on this signaling. Project co-ordinator, 10/2013 -9/2017.

5. APVV-15-0565 New regulatory effects of nitric oxide and their role in the development of essential hypertension. Team member, 7/2016 – 6/2020.

6. Ministry of Health 2012/51-SAS-1 Signal pathway of nitric oxide and hydrogene sulfid, its discuption and contribution in hypertension and aterosclerosis development Team member, 7/ 2013-12/2015.

7. VEGA The efect of nitric oxide and hydrogen sulfide on structure and function of cardiovascular system in normotenzive and hypertenzive rats. Team member, 2013 -2016.

8. APVV-0523-10, Gender differences in etiopatogenesis of cardiovascular and behavioral damage related to social stress in pre-hypertension. Team member, 2011-2014.