Lista de publicaţii – Alexandru Babeş

1. Domocos, D., Selescu, T.*, Ceafalan, L.C., Iodi Carstens, M., Carstens, E., **Babes, A.*** (2020) "Role of 5-HT1A and 5-HT3 receptors in serotonergic activation of sensory neurons in relation to itch and pain behavior in the rat", *J Neurosci Res*, advanced online publication, **doi: 10.1002/jnr.24633**. IF = 4,13 (*corresponding authors)

2. Paschou, M., Maier, L., Papazafiri, P., Selescu, T., Dedos, S.G., **Babes, A.**, Doxakis, E. (2020) "Neuronal microRNAs modulate TREK two-pore domain K+ channel expression and current density", *RNA Biology*, **17(5)**:651-662. IF = 5.21

3. Manolache, A., Selescu, T., Maier, G.L., Mentel, M., Ionescu, A.E., Neacsu, C., **Babes, A.***, Szedlacsek, S.E*. (2020) "Regulation of TRPM8 channel activity by Src-mediated tyrosine phosphorylation", *Journal of Cellular Physiology*, **235(6)**:5192-5203. IF = 4.52 (*corresponding authors)

4. Dux, M., **Babes, A.**, Manchen, J., Sertel-Nakajima, J., Vogler, B., Schramm, J., Messlinger, K. (2020) "High-dose phenylephrine increases meningeal blood flow through TRPV1 receptor activation and release of calcitonin gene-related peptide", *European Journal of Pain*, **24(2)**:383-397. IF = 3.18

5. Neacsu, C., Sauer, S.K., Reeh, P.W., **Babes, A.** (2020) "The phospholipase C inhibitor U73122 is a potent agonist of the polymodal transient receptor potential ankyrin type 1 (TRPA1) receptor channel", *Naunyn Schmiedeberg's Archives of Pharmacology,* **393(2)**:177-189. IF = 2.23

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7. **Babes, A.***, Ciotu, C.I.*, Hoffmann, T., Kichko, T.I., Selescu, T., Neacsu, C., Sauer, S.K., Reeh, P.W., Fischer, M.J.M. (2017) "Photosensitization of TRPA1 and TRPV1 by 7-dehydrocholesterol: implications for the Smith-Lemli-Opitz syndrome", *Pain*, **158(12)**:2475-86. IF = 5.45 (*equal contribution)

8. Kistner, K.*, Siklosi, N.*, **Babes, A.***, Khalil, M., Selescu, T., Zimmermann, K., Wirtz, S., Becker, C., Neurath, M.F., Reeh, P.W., Engel, M.A. (2016) "Systemic desensitization through TRPA1 channels by capsazepine and mustard oil - a novel strategy against inflammation and pain", *Scientific Reports*, **6**:28621. IF = 5.58 (*equal contribution)

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10. Khalil, M., **Babes, A.**, Lakra, R., Försch, S., Reeh, P.W., Wirtz, S., Becker, C., Neurath, M.F., Engel, M.A. (2016), "Transient receptor potential melastatin 8 ion channel in macrophages modulates colitis through a balance-shift in TNF-alpha and interleukin-10 production", *Mucosal Immunology*, **9(6)**:1500-1513. IF = 7.37

11. Ciobanu, A.C., Selescu, T., Gasler, I., Soltuzu, L., **Babes, A.** (2016), "Glycolytic metabolite methylglyoxal inhibits cold and menthol activation of the transient receptor potential melastatin type 8 channel", *Journal of Neuroscience Research*, **94(3)**:282-94. IF = 2.59

12. Eberhardt, M., Dux, M., Namer, B., Miljkovic, J., Cordasic, N., Will, C., Kichko, T.I., de la Roche, J., Fischer, M., Suárez, S.A., Bikiel, D., Dorsch, K., Leffler, A., **Babes, A.**, Lampert, A., Lennerz, J.K., Jacobi, J., Martí, M.A., Doctorovich, F., Högestätt, E.D., Zygmunt, P.M., Ivanovic-Burmazovic, I., Messlinger, K., Reeh, P., Filipovic, M.R. (2014), "H2S and NO cooperatively regulate vascular tone by activating a neuroendocrine HNO-TRPA1-CGRP signalling pathway", *Nature Communications*, **5**: 4381. **FI**: 11.47

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