

Publications List

2024

Model organisms for investigating the functional involvement of NRF2 in non-communicable diseases

Authors: **Ana I Rojo**, Brigitta Buttari, Susana Cadenas, Ana Rita Carlos, Antonio Cuadrado, Ana Sofia Falcão, Manuela G. López, Milen I. Georgiev, Anna Grochot-Przeczek, Sentiljana Gumeni, José Jimenez-Villegas, Jarosław Olav Horbanczuk, Ozlen Konu, Isabel Lastres-Becker, Anna-Liisa Levonen, Viktorija Maksimova, Charalambos Michaeloudes, Liliya V. Mihaylova, Michel Edwar Mickael, Irina Milisav, Biljana Miova, Patricia Rada, Marlene Santos, Miguel C. Seabra, Dubravka Svob Strac, Sandra Tenreiro, Ioannis P. Trougako and **Albena T. Dinkova-Kostova**

Ten-year analgesic utilization patterns and economic implications in Portugal.

Authors: **Duarte N**, Martins JP, García-Pedraza JÁ, **Santos M**. doi: 10.1111/bcp.16333. Epub 2024 Nov 13. PMID: 39535304; PMCID: PMC11862792.

Peroxiporins in Triple-Negative Breast Cancer: Biomarker Potential and Therapeutic Perspectives.

Authors: Bijelić A, Silovski T, Mlinarić M, **Čipak Gašparović A**.
doi: 10.3390/ijms25126658

AQP3 and AQP5 Modulation in Response to Prolonged Oxidative Stress in Breast Cancer Cell Lines. Authors: Mlinarić M, Lučić I, Tomljanović M, Tartaro Bujak I, Milković L, **Čipak Gašparović A**. doi: 10.3390/antiox13060626.

Western diet-induced cognitive and metabolic dysfunctions in aged mice are prevented by rosmarinic acid in a sex-dependent fashion

Authors: **Letizia Giona**, Chiara Musillo, Gaia De Cristofaro, Michael Ristow, Kim Zarse, Karsten Siems, Sabrina Tait, Francesca Cirulli, **Alessandra Berry**
DOI/Link: DOI: 10.1016/j.clnu.2024.08.012

Exploring oxysterols and protein carbonylation in cervicovaginal secretions as biomarkers for cervical cancer development.

Authors: **B Kose**, S Erkanlı, A Koçak, C Guzel, T Luider, **IHK Dias**, AT Baykal.
<https://doi.org/10.1016/j.arres.2024.100111>

Multi-Targeted Effects of Novel Cycloastragenol Derivatives: Enhancing NRF2, Proteostasis, and Telomerase Pathways with p53 Modulation to Delay Replicative Senescence

Authors: **Sinem Yilmaz**, **Petek Ballar Kirmizibayrak**

DOI/Link: in preparation

Culture of Bovine Aortic Endothelial Cells in Galactose Media Enhances Mitochondrial Plasticity and Changes Redox Sensing, Altering Nrf2 and FOXO3 Levels

Authors: Galant LS, Doblado L, Radi R, de Bem AF, **Monsalve M.**

DOI/Link: 10.3390/antiox13070873

Sex Differences Affect the NRF2 Signaling Pathway in the Early Phase of Liver Steatosis: A High-Fat-Diet-Fed Rat Model Supplemented with Liquid Fructose

Authors: Di Veroli B, Bentanachs R, Roglans N, Alegret M, Giona L, Profumo E, Berry A, Saso L, Laguna JC, **Buttari B.**

DOI/Link: doi: 10.3390/cells13151247

Protein Oxidative Modifications in Neurodegenerative Diseases: From Advances in Detection and Modelling to Their Use as Disease Biomarkers.

Authors: **Anjo SI**, He Z, Hussain Z, Farooq A, McIntyre A, Laughton CA, **Carvalho AN#**, Finelli MJ. (#joint last authorship)

DOI/Link: DOI: 10.3390/antiox13060681

Propranolol Promotes Monocyte-to-Macrophage Differentiation and Enhances Macrophage Anti-Inflammatory and Antioxidant Activities by NRF2 Activation

Authors: Maccari, S.; Profumo, E.; Saso, L.; Marano, G.; **Buttari, B**

DOI/Link: <https://doi.org/10.3390/ijms25073683>

Osteostatin Mitigates Gouty Arthritis through the Inhibition of Caspase-1 Activation and Upregulation of Nrf2 Expression.

Authors: Catalán Laura, Carceller M. Carmen, Terencio M. Carmen, Alcaraz M. José, Ferrándiz M. Luisa, **Montesinos M. Carmen.**

<https://doi.org/10.3390/ijms25052752>

Adenosine A2B receptor agonist improves epidermal barrier integrity in a murine model of epidermal hyperplasia.

Authors: Marín-Castejón A, Marco-Bonilla M, Terencio MC, Arasa J, Carceller MC, Ferrandiz ML, Noguera MA, Andrés-Ejarque R, **Montesinos MC.**

doi: 10.1016/j.biopha.2024.116401

Impact of pharmacist-led interventions in identifying and resolving drug related problems and potentially inappropriate prescriptions among rural patients: A pilot study.

Authors: Gutiérrez-Igual S, Lucas-Domínguez R, Sendra-Lillo J, Martí-Rodrigo A, Crespo IR, **Montesinos MC.**

doi: 10.1016/j.rcsop.2024.100536.

Blocking the adverse outcome pathway of skin sensitization through a N-acetyl cysteine and lysine-loaded hydrogel.

Authors: Brites GS, Ferreira I, Sebastião AI, Sousa C, Silva A, Carrascal M, Oliveira RC, Gonçalo M, Vitorino C, Neves BM, **Cruz MT**.

doi: 10.1016/j.jpha.2024.101071. Epub 2024 Aug 14.

Angiotensin II Exposure In Vitro Reduces High Salt-Induced Reactive Oxygen Species Production and Modulates Cell Adhesion Molecules' Expression in Human Aortic Endothelial Cell Line.

Authors: Kolobarić N, Kozina N, Mihaljević Z, **Drenjančević I**.

doi: 10.3390/biomedicines12122741.

Oral Carnosine Supplementation Preserves Vascular Function of Sprague Dawley Rats on a High-Salt Diet via Restored Antioxidative Defence.

Authors: **Drenjančević I**, Stupin A, Jukić I, Kolobarić N, Šušnjara P, Kozina N, Kovač L, Mihaljević Z

doi: 10.3390/nu17010036.