

Publicações Científicas NOVA Medical School/

Scientific Output NOVA Medical School

A classificação em áreas temáticas foi realizada de acordo com as categorias das revistas indexadas na Scopus ([SJR](#)).

The classification into subject areas was performed according to the categories of the journals indexed in Scopus ([SJR](#)).

Recordamos que, de acordo com o Despacho N° 09/2022, a designação CEDOC foi substituída por NOVA Medical School, com implicações práticas ao nível da afiliação dos investigadores e consequentemente na produção científica da NMS. A data de implementação desta alteração ocorreu no dia 24 de junho de 2022.

A 31 de dezembro de 2022, o CEDOC passou a *former organisational unit*. Contudo, verificamos que há ainda alguns autores que continuam a utilizar esta afiliação, pelo que agradecemos a vossa melhor atenção para este assunto de modo a dar cumprimento ao informado em junho de 2022.

We remind you that, according to Despacho N° 09/2022, the designation CEDOC was replaced by NOVA Medical School, with practical implications for the affiliation of researchers and consequently for the scientific production of NMS. The implementation date of this change occurred on June 24th 2022.

On December 31st 2022, CEDOC became a *former organisational unit*. However, there are still some researchers who continue to use this affiliation, so we kindly ask your best attention to this matter.

Março/ March 2023

ANALYTICAL CHEMISTRY

Sousa S, Paíga P, **Pestana D**, Faria G, Delerue-Matos C, Ramalhosa MJ, **Calhau C**, Domingues VF. [Optimization of a simple, effective, and greener methodology for polycyclic aromatic hydrocarbon extraction from human adipose tissue](#). Anal Methods. 2023 Mar 20;. doi: 10.1039/d2ay02075k. [Epub ahead of print] PubMed PMID: 36938680.

BIOCHEMISTRY, GENETICS AND MOLECULAR BIOLOGY

Barata T, Duarte I, **Futschik ME**. [Integration of Stemness Gene Signatures Reveals Core Functional Modules of Stem Cells and Potential Novel Stemness Genes](#). Genes (Basel). 2023 Mar 18;14(3). doi: 10.3390/genes14030745. PubMed PMID: 36981016.

Branco P, Calça R, Martins AR, Mateus C, Jervis MJ, Gomes DP, **Azeredo-Lopes S, De Melo Junior AF, Sousa C**, Civantos E, Mas-Fontao S, Gaspar A, Ramos S, **Morello J, Nolasco F**, Rodrigues A, **Pereira SA**. [Fibrosis of Peritoneal Membrane, Molecular Indicators of Aging and Frailty Unveil Vulnerable Patients in Long-Term Peritoneal Dialysis](#). Int J Mol Sci. 2023 Mar 6;24(5). doi: 10.3390/ijms24055020. PubMed PMID: 36902451.

Branco P, Martins AR, Calça R, Mateus C, Jervis MJ, Rodrigues A, **Lopes SA**, Civantos E, Mas-Fontao S, Gaspar A, Ramos S, **Morello J**, Gomes DP, **Pereira SA**. [Alpha-klotho and peritoneal membrane status: A hypothesis generating study](#). Eur J Clin Invest. 2023 Mar;53(3):e13903. doi: 10.1111/eci.13903. PubMed PMID: 36377235.

Carvalho LB, Martínez JLC, Lodeiro C, Bento R, Dhir R, Morrissey JJ, **Pinheiro LC**, **Medeiros M**, Santos HM. [Biochemical network analysis of protein-protein interactions to follow-up T1 bladder cancer patients](#). J Proteomics. 2023 Mar 2;278:104865. doi: 10.1016/j.jprot.2023.104865. [Epub ahead of print] PubMed PMID: 36870676.

Moura SR, Freitas J, Ribeiro-Machado C, Lopes J, Neves N, **Canhão H**, **Rodrigues AM**, Barbosa MA, Almeida MI. [Long non-coding RNA H19 regulates matrisome signature and impacts cell behavior on MSC-engineered extracellular matrices](#). Stem Cell Res Ther. 2023 Mar 8;14(1):37. doi: 10.1186/s13287-023-03250-6. PubMed PMID: 36882843; PubMed Central PMCID: PMC9993741.

Silva EAB, **Venda AM**, **Homem CCF**. [Serine hydroxymethyl transferase \(Shmt\) is required for optic lobe neuroepithelia development in Drosophila](#). Development. 2023 Mar 10;. doi: 10.1242/dev.201152. [Epub ahead of print] PubMed PMID: 36896963.

BIOMEDICAL ENGINEERING

Conde J, Langer R, **Rueff J**. [mRNA therapy at the convergence of genetics and nanomedicine](#). Nat Nanotechnol. 2023 Mar 17;. doi: 10.1038/s41565-023-01347-w. [Epub ahead of print] PubMed PMID: 36932293.

CARDIOLOGY AND CARDIOVASCULAR MEDICINE

Cannata S, Gandolfo C, Ribichini FL, van Mieghem N, Buccheri S, Barbanti M, Berti S, **Teles RC**, Bartorelli AL, Musumeci G, Piva T, Nombela-Franco L, La Spina K, Palmerini T, Adrichem R, Esposito A, **Lopes P**, Olivares P, Annibali G, Nicolini E, Marroquin L, Tamburino C, Tarantini G, Saia F. [One-year outcomes after transcatheter aortic valve implantation with the latest-generation SAPIEN balloon-expandable valve: the S3U registry](#). EuroIntervention. 2023 Mar 7;. doi: 10.4244/EIJ-D-22-01022. [Epub ahead of print] PubMed PMID: 36880333.

Dores H. [Exercise in hypertrophic cardiomyopathy: Yes or no?](#). Rev Port Cardiol. 2023 Mar;42(3):285-286. doi: 10.1016/j.repc.2023.01.019. Epub 2023 Jan 25. PubMed PMID: 36706914.

Leone PP, Regazzoli D, Pagnesi M, Cannata F, Mangieri A, Hokken TW, Costa G, Barbanti M, **Teles RC**, Adamo M, Taramasso M, Reifart J, De Marco F, Giannini F, Kargoli F, Ohno Y, Saia F, Buono A, Ielasi A, Pighi M, Chiarito M, Bongiovanni D, Cozzi O, Stefanini G, Ribichini FL, Maffeo D, Chizzola G, Bedogni F, Kim WK, Maisano F, **Tamburino C**, Van Mieghem NM, Colombo A, Reimers B, Latib A. [Implantation of contemporary transcatheter aortic valves in small aortic annuli: the international multicentre TAVI-SMALL 2 registry](#). EuroIntervention. 2023 Mar 21; doi: 10.4244/EIJ-D-22-00843. [Epub ahead of print] PubMed PMID: 36950893.

CARDIOLOGY AND CARDIOVASCULAR MEDICINE/ NEUROLOGY

Laranjo SM. [Spontaneous preterm birth and congenital heart defects: What is known?](#). Rev Port Cardiol. 2023 Mar 21; doi: 10.1016/j.repc.2023.03.010. [Epub ahead of print] PubMed PMID: 36958577.

Machado-Pereira M, Grayston A, Garcia-Gabilondo M, Francisco V, Cristóvão A, **Marto J, Vieira H, Viana-Baptista M**, Ferreira L, Bernardino L, Rosell A, **Ferreira R.** [Retinoic Acid-Loaded Nanoparticles Promote Neurovascular Protection in Stroke](#). Stroke. 2023 Apr;54(4):e149-e151. doi: 10.1161/STROKEAHA.122.041839. Epub 2023 Mar 13. PubMed PMID: 36912140.

DERMATOLOGY

Palmeiro AG, **Lourenço MH**, Miroux-Catarino A, **Crispim I, Branco JC**, Viana I. [Drug-induced accelerated nodulosis: review of the literature](#). Int J Dermatol. 2023 Mar;62(3):432-440. doi: 10.1111/ijd.16549. PMID: 36512719.

ENDOCRINOLOGY

Reis C, Pilz LK, Kramer A, Lopes LV, **Paiva T**, Roenneberg T. [The impact of daylight-saving time \(DST\) on patients with delayed sleep-wake phase disorder \(DSWPD\)](#). J Pineal Res. 2023 Mar 21; doi: 10.1111/jpi.12867. [Epub ahead of print] PubMed PMID: 36942915.

ENDOCRINOLOGY, DIABETES AND METABOLISM

Roque J, **Nunes Silva T**, Regala C, Rodrigues R, **Leite V.** [Outcomes of lenvatinib therapy in poorly differentiated thyroid carcinoma](#). Eur Thyroid J. 2023 Mar 28;12(2). doi: 10.1530/ETJ-23-0003. Print 2023 Apr 1. PubMed PMID: 36852694.

EPIDEMIOLOGY/ONCOLOGY

Voss T, Krag M, Martiny F, **Heleno B**, Jørgensen KJ, Brandt Brodersen J. [Quantification of overdiagnosis in randomised trials of cancer screening: an overview and re-analysis of systematic reviews](#). Cancer Epidemiol. 2023 Mar 22;84:102352. doi: 10.1016/j.canep.2023.102352. [Epub ahead of print] Review. PubMed PMID: 36963292.

FAMILY PRACTICE

Ares-Blanco S, Guisado-Clavero [...] **Heleno B**, Nessler K, Murauskienė L, Neves AL, Parodi López N, Perjés Á, Petek D, Petrazzuoli F, Petricek G, Seifert B, Serafini A, Sentker T, Tiili P, Torzsa P, Vaes B, van Pottebergh G, Vinker S, Astier-Peña MP, Gómez-Bravo R, Lingner H. [Clinical pathway of COVID-19 patients in primary health care in 30 European countries: Eurodata study](#). Eur J Gen Pract. 2023 Mar 21;2182879. doi: 10.1080/13814788.2023.2182879. [Epub ahead of print] PubMed PMID: 36943232.

GASTROENTEROLOGY

Saraiva R, O, Borges V, P, **Silva M, J**, Loureiro R, **Capela T**, **Ramos G**, **Canena J**, Mateus Dias A, Alves R, **Coimbra J**. [Endoscopic Retrograde Cholangiopancreatography on Pediatric Patients: Experience of a Portuguese Adult Gastroenterology Department](#). GE Port J Gastroenterol. 2023 Mar. doi: 10.1159/000529090.

INFECTIOUS DISEASES

Mayerhöfer T, Klein S, Wernly B, Flaatten H, Guidet B, De Lange DW, Fjølner J, Leaver S, Beil M, Sviri S, Bruno RR, Artigas A, van Heerden PV, Pinto BB, Schefold JC, **Moreno R**, Cecconi M, Szczeklik W, Jung C, Joannidis M. [Diabetes mellitus is associated with 90-day mortality in old critically ill COVID-19 patients: a multicenter prospective observational cohort study](#). Infection. 2023 Mar 1; doi: 10.1007/s15010-023-02001-2. [Epub ahead of print] PubMed PMID: 36854893; PubMed Central PMCID: PMC9974396.

MATERIALS SCIENCE (MISCELLANEOUS)

Shao, M., Lopes, D., Lopes, J., Yousefiasl, S., Macário-Soares, A., Peixoto, D., Ferreira-Faria, I., Veiga, F., **Conde, J.**, Huang, Y., Chen, X., Paiva-Santos, A.C. & Makvandi, P. [Exosome membrane-coated nanosystems: Exploring biomedical applications in cancer diagnosis and therapy](#). Matter. 2023 Mar 1;6(3):761-799. doi:10.1016/j.matt.2023.01.012.

Zhong R, Talebian S, **Mendes BB**, Wallace G, Langer R, **Conde J**, Shi J. [Hydrogels for RNA delivery](#). Nat Mater. 2023 Mar 20; doi: 10.1038/s41563-023-01472-w. [Epub ahead of print] Review. PubMed PMID: 36941391.

MEDICINE (MISCELLANEOUS)

Braun M, Carlier S, De Backere F, De Paepe A, Van De Velde M, Van Dyck D, **Marques MM**, De Turck F, Crombez G. [Content and quality of physical activity ontologies: a systematic review](#). Int J Behav Nutr Phys Act. 2023 Mar 13;20(1):28. doi: 10.1186/s12966-023-01428-y. Review. PubMed PMID: 36907890; PubMed Central PMCID: PMC10009987.

De Luca G, Algowhary M, Uguz B, Oliveira DC, [...] **Teles R**, Mantis C, Antti Y, Brum Silveira JA, Zoni CR, Bessonov I, Uccello G, Kochiadakis G, Alexopoulos D, Uribe CE, Kanakakis J, Faurie B, Gabrielli G, Gutierrez Barrios A, Bachini JP, Rocha A, Tam FCC, Rodriguez A, Lukito AA, Saint-Joy V, Pessah G, Tuccillo A, Ielasi A, Cortese G, Parodi G, Burgadha MA, Kedhi E, Lamelas P, Suryapranata H, Nardin M, Verdoia M. [Age-Related Effects of COVID-19 Pandemic on Mechanical Reperfusion and 30-Day Mortality for STEMI: Results of the ISACS-STEMI COVID-19 Registry](#). J Clin Med. 2023 Mar 8;12(6). doi: 10.3390/jcm12062116. PubMed PMID: 36983119.

Rodrigues T, Rodrigues Fialho S, Araújo JR, Rocha R, **Moreira-Rosário A**. [Procedures in Fecal Microbiota Transplantation for Treating Irritable Bowel Syndrome: Systematic Review and Meta-Analysis](#). J Clin Med. 2023 Feb 21;12(5):1725. doi: 10.3390/jcm12051725. PMID: 36902512; PMCID: PMC10003588.

Teixeira B, Cardoso M, Dias CC, **Pereira-da-Silva L**, E Silva D. [Eating Habits During Pregnancy of Women Giving Birth Very Prematurely: An Exploratory Analysis](#). Acta Med Port. 2023 Mar 6;. doi: 10.20344/amp.18419. [Epub ahead of print] PubMed PMID: 36877956.

Trindade Torres M, Sousa Nunes B, **Varandas L**, Maltez F. [Actinomycetoma by Cellulosimicrobium cellulans in a Young Man from Guinea-Bissau: Short Literature Review Regarding a Case Report](#). Acta Med Port. 2023 Mar 15;. doi: 10.20344/amp.17356. [Epub ahead of print] PubMed PMID: 36919988.

MULTIDISCIPLINARY

Coelho L, Falcão F, **Póvoa P**, Viegas E, Martins AP, Carmo E, **Fonseca C**, **Campos L**, **Mansinho K**, Carmo I, Soares J, Solano M, Mendes D, Miranda AC, Carvalho A, Mirco A, Farinha H, **Aldir I**, Correia J. [Remdesivir and corticosteroids in the treatment of hospitalized COVID-19 patients](#). Sci Rep. 2023 Mar 18;13(1):4482. doi: 10.1038/s41598-023-31544-5. PubMed PMID: 36934143; PubMed Central PMCID: PMC10024012.

Gomes LA, Rodrigues AM, Branco JC, Canhão H, Cruz EB. Clinical courses, impact and prognostic indicators for a persistent course of low back pain: Results from a population-based cohort study. PLoS One. 2023;18(3):e0265104. doi: 10.1371/journal.pone.0265104. eCollection 2023. PubMed PMID: 36930625; PubMed Central PMCID: PMC10022778.

Paulo MS, Symanzik C, Adam B, Gobba F, Kezic S, van der Molen HF, Peters CE, Rocholl M, Tenkate T, John SM, Loney T, Modenese A, Wittlich M. Risk of cutaneous squamous cell carcinoma due to occupational exposure to solar ultraviolet radiation: Protocol for a systematic review and meta-analysis. PLoS One. 2023;18(3):e0282664. doi: 10.1371/journal.pone.0282664. eCollection 2023. PubMed PMID: 36867594; PubMed Central PMCID: PMC9983864.

Ribeiro G, Maia A, Cotovio G, Oliveira FPM, Costa DC, **Oliveira-Maia AJ.** Striatal dopamine D2-like receptors availability in obesity and its modulation by bariatric surgery: a systematic review and meta-analysis. Sci Rep. 2023 Mar 27;13(1):4959. doi: 10.1038/s41598-023-31250-2. PubMed PMID: 36973321.

NEUROLOGY (CLINICAL)

Henriques AR, Gromicho M, Grosskreutz J, Kuzma-Kozakiewicz M, Petri S, Uysal H, Pinto S, Antunes M, De Carvalho M, Ribeiro RM. Association of the practice of contact sports with the development of amyotrophic lateral sclerosis. Amyotroph Lateral Scler Frontotemporal Degener. 2023 Mar 29:1-8. doi: 10.1080/21678421.2023.2189911. Epub ahead of print. PMID: 36992635.

Magriço M, Ventura R, Sobral-Pinho A, **Pinto DG, Marto JP.** Intravascular lymphoma presenting as longitudinally extensive myelitis: a remarkable diagnostic challenge. Acta Neurol Belg. 2023 Mar 4;. doi: 10.1007/s13760-023-02224-y. [Epub ahead of print] PubMed PMID: 36869210.

NUTRITION AND DIETETICS

Cardoso M, Virella D, Papoila AL, Alves M, Macedo I, E Silva D, **Pereira-da-Silva L.** Individualized Fortification Based on Measured Macronutrient Content of Human Milk Improves Growth and Body Composition in Infants Born Less than 33 Weeks: A Mixed-Cohort Study. Nutrients. 2023 Mar 22;15(6). doi: 10.3390/nu15061533. PubMed PMID: 36986263.

Gomes F, Askari S, Black RE, Christian P, Dewey KG, Mwangi MN, Rana Z, Reed S, Shankar AH, Smith ER, Tumilowicz A. Antenatal multiple micronutrient supplements versus iron-folic acid supplements and birth outcomes: Analysis

by gestational age assessment method. Matern Child Nutr. 2023 Mar 31:e13509. doi: 10.1111/mcn.13509. Epub ahead of print. PMID: 37002655.

P Silvestre M, Fogelholm M, **Alves M**, **Papoila A**, Adam T, Liu A, Brand-Miller J, Martinez JA, Westerterp-Plantenga M, Handjieva-Darlenska T, Macdonald IA, Zhu R, Jalo E, Muirhead R, Carretero SN, Handjiev S, Taylor MA, Raben A, Poppitt SD. [Differences between HbA_{1c} and glucose-related variables in predicting weight loss and glycaemic changes in individuals with overweight and hyperglycaemia - The PREVIEW trial](#). Clin Nutr. 2023 Mar 7;42(5):636-643. doi: 10.1016/j.clnu.2023.02.023. [Epub ahead of print] PubMed PMID: 36933350.

OBSTETRICS AND GYNECOLOGY/REPRODUCTIVE MEDICINE

Palma Dos Reis CR, Brás S, Meneses T, Cerdeira AS, Vatish M, **Martins AT**. [The sFlt1/PIGF ratio predicts faster fetal deterioration in early fetal growth restriction: A historical cohort study](#). Acta Obstet Gynecol Scand. 2023 Mar 18;. doi: 10.1111/aogs.14546. [Epub ahead of print] PubMed PMID: 36933005.

Palma F, Costa AR, Neves J, Pacheco A, Almeida MC, Bombas T, Silva DP. [Perception of oral contraception - do women think differently from gynaecologists?](#). Eur J Contracept Reprod Health Care. 2023 Mar 27;1-7. doi: 10.1080/13625187.2023.2185482. [Epub ahead of print] PubMed PMID: 36971323.

ONCOLOGY

Baumann M, Celis J, Ringborg U, Heitor M, Berns A, Albrecht T, Arabadjiev J, Boutros M, Brandenburg M, **Canhao H**, Carneiro F, Chomienne C, De Lorenzo F, Eggermont AMM, Font A, Garralda E, Goulart M, Henrique R, Lawler M, Maier-Hein L, Meunier F, Oberst S, Oliveira P, Papatriantafyllou M, Schüz J, Solary E, Valencia A, Vargas R, Weiderpass E, Wilking N. [Engaging European society at the forefront of cancer research and care](#). Mol Oncol. 2023 Mar 20;. doi: 10.1002/1878-0261.13423. [Epub ahead of print] PubMed PMID: 36938773.

OPHTHALMOLOGY

Ferreira A, **Anjos R**, José-Vieira R, Afonso M, Abreu AC, Monteiro S, Macedo M, Andrade JP, Furtado MJ, Lume M. [Application of optical coherence tomography angiography for microvascular changes in patients treated with hydroxychloroquine: a systematic review and meta-analysis](#). Graefes Arch Clin Exp Ophthalmol. 2023 Mar 8;. doi: 10.1007/s00417-023-06023-2. [Epub ahead of print] PubMed PMID: 36884062; PubMed Central PMCID: PMC9993382.

Moura-Coelho N, Cunha JP, **Dias-Santos A**, **Dutra-Medeiros M**, Papa-Vettorazzi R, Manero F, Güell J. [Descemet's Membrane Endothelial](#)

Keratoplasty for Corneal Endothelial Failure Secondary to Three Types of Phakic Intraocular Lens - Retrospective Study. Clin Ophthalmol. 2023;17:931-940. doi: 10.2147/OPTH.S401387. eCollection 2023. PubMed PMID: 36968285; PubMed Central PMCID: PMC10035356.

Peter VG, Kaminska K, **Santos C**, Quinodoz M, Cancellieri F, Cisarova K, Pescini Gobert R, Rodrigues R, Custódio S, Paris LP, Sousa AB, Coutinho Santos L, Rivolta C. [The first genetic landscape of inherited retinal dystrophies in Portuguese patients identifies recurrent homozygous mutations as a frequent cause of pathogenesis](#). PNAS Nexus. 2023 Mar;2(3):pgad043. doi: 10.1093/pnasnexus/pgad043. eCollection 2023 Mar. PubMed PMID: 36909829; PubMed Central PMCID: PMC10003751.

PHYSIOLOGY

Conde S, Polotsky VY, Joseph V, Kinkead R. [On the origins of sleep disordered breathing, cardiorespiratory, and metabolic dysfunction: Which came first, the chicken or the egg?](#). J Physiol. 2023 Mar 29; doi: 10.1113/JP284113. [Epub ahead of print] PubMed PMID: 36988138.

PSYCHIATRY AND MENTAL HEALTH

Aluh DO, Onu JU, **de Almeida JMC**. [A new era for mental health care in Nigeria](#). Lancet Psychiatry. 2023 Mar 10; doi: 10.1016/S2215-0366(23)00071-8. [Epub ahead of print] PubMed PMID: 36921611.

Kazdin AE, Wu C-S, Hwang I, Puac-Polanco V, Sampson NA, Al-Hamzawi A, [...] **Caldas-De-Almeida JM** [...]. [Antidepressant use in low- middle- and high-income countries: a World Mental Health Surveys report](#). Psychological Medicine. Cambridge University Press; 2023;53(4):1583–91; doi: 10.1017/S0033291721003160.

PSYCHOLOGY

Almeida S, Camacho M, **Barahona-Corrêa JB**, **Oliveira J**, Lemos R, da Silva DR, **da Silva JA**, Baptista TM, **Grácio J**, **Oliveira-Maia AJ**. [Criterion and construct validity of the Beck Depression Inventory \(BDI-II\) to measure depression in patients with cancer: The contribution of somatic items](#). Int J Clin Health Psychol. 2023 Apr-Jun;23(2):100350. doi: 10.1016/j.ijchp.2022.100350. PMID: 36467263; PMCID: PMC9709241.

PUBLIC HEALTH, ENVIRONMENTAL AND OCCUPATIONAL HEALTH

Santonen T, Mahiout S, Alvito P, Apel P, Bessems J, Bil W, Borges T, Bose-O'Reilly S, Buekers J, Cañas Portilla AI, Calvo AC, de Alba González M, Domínguez-Morueco N, López ME, Fahnoga I, Gerofke A, Caballero MDCG,

Horvat M, Huuskonen P, Kadikis N, Kolossa-Gehring M, Lange R, **Louro H**, Martins C, Meslin M, Niemann L, Díaz SP, Plichta V, Porras SP, Rousselle C, Scholten B, **Silva MJ**, Šlejkovec Z, Tratnik JS, Joksić AŠ, Tarazona JV, Uhl M, Van Nieuwenhuyse A, Viegas S, Vinggaard AM, Woutersen M, Schoeters G. [How to use human biomonitoring in chemical risk assessment: Methodological aspects, recommendations, and lessons learned from HBM4EU](#). Int J Hyg Environ Health. 2023 Mar 2;249:114139. doi: 10.1016/j.ijheh.2023.114139. [Epub ahead of print] PubMed PMID: 36870229.

RADIOLOGY, NUCLEAR MEDICINE AND IMAGING

Oliveira C, Oliveira F, Vaz SC, **Marques HP**, Cardoso F. [Prediction of pathological response after neoadjuvant chemotherapy using baseline FDG PET heterogeneity features in breast cancer](#). Br J Radiol. 2023 Mar 3;20220655. doi: 10.1259/bjr.20220655. [Epub ahead of print] Review. PubMed PMID: 36867773.

RHEUMATOLOGY

Pinto AM, Geenen R, Wager TD, Häuser W, Kosek E, Ablin JN, Amris K, **Branco J**, Buskila D, Castelhana J, Castelo-Branco M, Crofford LJ, Fitzcharles MA, López-Solà M, Luís M, Marques TR, Mease PJ, Palavra F, Rhudy JL, Uddin LQ, Castilho P, Jacobs JWG, da Silva JAP. [Reply to: Hypothetical model ignores many important pathophysiologic mechanisms in fibromyalgia](#). Nat Rev Rheumatol. 2023 Mar 24; doi: 10.1038/s41584-023-00952-2. [Epub ahead of print] PubMed PMID: 36964336.

Pinto AM, Geenen R, Wager TD, Lumley MA, Häuser W, Kosek E, Ablin JN, Amris K, **Branco J**, Buskila D, Castelhana J, Castelo-Branco M, Crofford LJ, Fitzcharles MA, López-Solà M, Luís M, Marques TR, Mease PJ, Palavra F, Rhudy JL, Uddin LQ, Castilho P, Jacobs JWG, da Silva JAP. [Reply to 'Imbalance of threat and soothing systems in fibromyalgia: rephrasing an established mechanistic model?'](#). Nat Rev Rheumatol. 2023 Mar 23; doi: 10.1038/s41584-023-00950-4. [Epub ahead of print] PubMed PMID: 36959282.