



CURRICULUM VITAE

Personal details:

Name, Surname: Ion Bogdan Mănescu

Academic Title: Assistant professor

Department: ME1, Laboratory medicine (Clinical biochemistry & Immunology)

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Areas of interest (maximum 5 domains):

Laboratory medicine, Clinical lipidology, Dyslipidemias, Cellular immunology, Atherosclerosis

Research activity:

1. Research projects (maximum 3 projects)

Cellular exploration of the cholesterol - oxidative stress - inflammation axis in coronary heart disease patients with high clinical suspicion of familial hypercholesterolemia (Funding: George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Targu Mures, Romania, grant no. 164/19/10.01.2023; Project director)

The role of microbiome-gut-brain axis in amyotrophic lateral sclerosis progression (Funding: Ministry of Research, Innovation, and Digitization through the Executive Unit for the Financing of Higher Education, Research, Development, and Innovation – UEFISCDI, project no. PN-III-P1-1.1-TE-2021-0960; Research team member)

2. Articles published in extenso (maximum 5 articles)

Mănescu IB, Gabor MR, Moldovan GV, Hadadi L, Huțanu A, Bănescu C, Dobreanu M. An 8-SNP LDL cholesterol polygenic score: associations with cardiovascular risk traits, familial hypercholesterolemia phenotype, and premature coronary heart disease in central Romania. *Int. J. Mol. Sci.* 2024;25(18):10038-10061. DOI: 10.3390/ijms251810038

Mănescu IB, Demian L, Dobreanu M. Low-density lipoprotein cholesterol gymnastics: exploring the advantages and limitations of the Friedewald, Martin-Hopkins, and Sampson equations for personalized lipid management. *J. Pers. Med.* 2024;14(9):1000-1012. DOI: 10.3390/jpm14091000





Mănescu IB, Mănescu M, Bărcuțean LI, Demian L, Dobreanu M. Short-term atorvastatin therapy in healthy individuals results in unaltered plasma MMP levels and disrupted MMP-7 correlation with blood lipids and blood count-derived inflammatory markers. *J. Clin. Med.* 2024;13(16):4743-4754. DOI: 10.3390/jcm13164743

Mănescu IB, Pál K, Lupu S, Dobreanu M. Conventional biomarkers for predicting clinical outcomes in patients with heart disease. *Life (Basel)* 2022;12(12):2112-2128. DOI: 10.3390/life12122112

Pál K, **Mănescu IB**, Lupu S, Dobreanu M. Emerging biomarkers for predicting clinical outcomes in patients with heart disease. *Life (Basel)* 2023;13(1):230-262. DOI: 10.3390/life13010230

