



CURRICULUM VITAE

Personal details:

Name, Surname: **Mădălina Anciuc-Crauciuc**

Academic Title: Assistant Professor

Department: ME2

Institutional e-mail: madalina.anciuc@umfst.ro

Areas of interest:

A. Study of ABCA3, SFTPB, and SFTPC Gene Variants Involved in Surfactant Synthesis in Newborns with Respiratory Distress Syndrome – therapeutic optimization, management, and identification of opportunities for applying personalized medicine to individually tailor disease-modifying therapy.

B. ORCID Number: <https://orcid.org/0009-0003-7170-4603>.

Research activity:

1. Research projects

- 10/2020 – 02/2024 – *Capillary electrophoresis analysis of changes in ABCA3 and SFTPC genes involved in surfactant synthesis in newborns with respiratory distress syndrome*. Individual grant for scientific research, U.M.F.S.T. Târgu Mureș. Funding contract: No. 10/27/20 / 17.12.2020.
- 04/01/2021 – 31/12/2023 – *Development of an integrative polygenic score for the prognosis of patients with acute myeloid leukemia using complex genomic approaches*. Nationally awarded competitive research project – project team member. Project code: PN-III-P4-ID-PCE-2020-1928, Contract number: 72/2021.

2. Articles published in extenso

- Anciuc-Crauciuc, M.; Cucerea, M.C.; Crauciuc, G.-A.; Tripon, F.; Bănescu, C.V. *Evaluation of the Copy Number Variants and Single-Nucleotide Polymorphisms of ABCA3 in Newborns with Respiratory Distress Syndrome—A Pilot Study*. Medicina 2024, 60, 419. <https://doi.org/10.3390/medicina60030419>
- Anciuc-Crauciuc, M.; Cucerea, M.C.; Tripon, F.; Crauciuc, G.-A.; Bănescu, C.V. *Descriptive and Functional Genomics in Neonatal Respiratory Distress Syndrome: From Lung Development to Targeted Therapies*. Int. J. Mol. Sci. 2024, 25, 649. <https://doi.org/10.3390/ijms25010649>

