

# International Journal of Bone Marrow Research

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Perspective

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[In the pursuit of a new route on acute myeloid leukemia treatment](#)

Acute myeloid leukaemia (AML) is the forefront disorder of the bone marrow among others that disrupt the normal production of blood cells and platelets. The bone marrow microenvironment or the bone marrow niche (BM niche) that orchestrates the proliferation and survival of Leukaemic stem cells (LSC) is the reason for relapse after complete remission and also chemotherapy drug resistance. As for most cancers oxidative phosphorylation, a fundamental mitochondrial process of energy production, is under focus for the treatment of AML and a novel strategy of targeting heat shock proteins appears as a promising route for further research.

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