

**THE “ROUGE” CELLS IN CULTURED HUMAN
PERIPHERAL BLOOD LYMPHOCYTES AND THEIR ANALYSIS
IN ChNPP EXCLUSION ZONE SELF-SETTLERS**

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The data on highly loaded by chromosomal aberrations peripheral blood lymphocytes of different people contingents, the criteria of their detection, possible causes and mechanisms of their induction are given. Here are presented the results of the own research of “rogue” cell frequency and their aberration spectrum in cultured peripheral blood lymphocytes of ChNPP Exclusion zone village residents (12 - 13 and 15 years after the accident) and of the residents of Yahotyn district, Kyiv region, not polluted with Chernobyl radionuclids. The arguments are reported on the fact that induction of such cells in zone residents might be caused by incorporated α -emitting transuranium elements.