

<共同研究 15>

研究題名： Toxicogenomics

研究成果： DNA マイクロアレイを用いた網羅的遺伝子発現解析” toxicogenomics” により遺伝子傷害性発がん物質を予測するための検討を行った。8つの遺伝子傷害性肝発がん物質、4つの非遺伝子傷害性肝発がん物質、及び1つの非遺伝傷害性非肝発がん物質を用いた検討により、100個の遺伝子よりマーカー候補遺伝子を絞り込み、30の遺伝子による主成分分析（PCA）により、遺伝子傷害性の有無を区別することに成功した。さらにラットを用いた定量 PCR(qPCR)と PCA 解析により、遺伝子傷害性肝発がん物質をそれ以外と区別することができた。

発表論文：

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