

第 412 回集談会（ご案内）

1. 日時: 2010 年 1 月 20 日（水） 17:30~18:30
2. 場所: 2 A 講義棟（中央棟 2 階）
3. 座長: 環境衛生学教室教授 永田 清先生（内線 3811）

Title 『Metabolomics』

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Metabolomics has been inserted into our analytical arsenal as a new method to characterize the P450 and nuclear receptor null and humanized mice. This high power methodology will be used in an effort to find chemical biomarkers for the expression of individual P450s, for nuclear receptor activation, and for the study of chemical toxicity and carcinogenicity of drugs and other chemicals. Historically, metabolomics has been carried out largely by use of $^1\text{H-NMR}$. However, recently a new more power LC-MS technology has been developed. This technology not only offers promise in the translational biomarker research but can also be used to understand mechanisms of toxicity and carcinogenicity.

