

日 時 : 2011 年 6 月 9 日 (木) 10 時 30 分 ~ 12 時 30 分

場 所 : 京都大学教育学研究科 2 階 中央実験室

<http://www.educ.kyoto-u.ac.jp/access.htm>

Title : Gene regulation in the human brain

Speaker : Prof. Turhan Canli (Stony Brook University)

Abstract : Studies of gene-behavior associations tend to focus on the link between gene polymorphisms and phenotypes of interest. This approach does not consider the interplay and regulatory complexities of gene transcription and translation, nor does it address tissue-specific gene regulatory processes in the central nervous system. Here, we introduce an integrative approach that begins with postmortem human brain tissue from donors with well-characterized behavioral phenotypes. We characterize this tissue, as a function of phenotype (e.g., high versus low ante mortem trait anxiety or early life stress adversity), using global protein expression profiling and whole-genome gene expression at the level of mRNA and miRNA. The results of these genome-wide analyses then serve as a starting point for further functional analyses. In this talk, I will present our general approach and present some preliminary results from our current projects.

共催 : 第 36 回グローバル COE 主催講演会 : ユニット A、玉川大学 GCOE 後援

世話人 : 野村 理朗 (京都大学大学院教育学研究科)