

来る1月27日(木)の午後4時半より、吉田南キャンパス内の大学院人間・環境学研究科棟地下講義室(B29B)において、第14回注意研究会を開催します。今回は、University of Oxford, Department of Experimental Psychology の Mark J. Buckley 博士に講演をお願いしました。Buckley 博士はオックスフォード大学で David Gaffan 教授とともにサルを使った前頭葉の破壊実験を行っているほか、理化学研究所脳科学総合研究センターの田中啓治さんとも共同研究を続けておられます。今回の研究会にも是非ご参加ください。また、興味のある方にお知らせいただくと幸いです。よろしく願いいたします。

船橋新太郎

第14回注意研究会

開催日時：平成23年1月27日(木曜日) 午後4時半より

開催場所：京都大学 大学院人間・環境学研究科 地下講義室 B23B

話題提供：

Dr. Mark J. Buckley

(Department of Experimental Psychology, University of Oxford, UK)

講演タイトル：

Determining the crucial contributions made by distinct prefrontal and medial frontal cortical regions to rule-guided decision-making and cognitive control.

講演概要：

The prefrontal cortex (PFC) and anterior cingulate cortex (ACC) are commonly implicated in decision-making. Decisions can operate at many levels. For example, we can decide which item to select, or we can decide which action to make. One part of the PFC, the orbitofrontal cortex (OFC), has been closely implicated in contributing to decisions between stimuli, whereas the ACC, part of the medial frontal cortex, has been more closely implicated in contributing to decisions between actions. Yet many forms of decision-making behaviour are more complex than merely choosing between stimuli or choosing between actions and the functional dichotomy outlined above may not be as simple as this. For instance, we are also able to make decisions about which behavioural rules we will adopt. Although there have been advances in our understanding of how rules are represented in the brain, less is known about the precise contributions of the PFC and ACC to rule-based decision-making. Recent lesion studies in macaque monkeys in our laboratories have provided new insights into the distinct and crucial contributions that different sub-regions of PFC and ACC make to rule-guided behaviour and cognitive control.

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