

災害精神医学セミナー

「PTSDと不安障害の遺伝学的研究 ～全ゲノム相関研究の成果と展望～」
「Genetic approaches into post-traumatic stress disorder and anxiety disorder」

平成25年6月24日(月) 15:00～16:00
長陵会館 記念ホール ※参加無料・申込不要

Dr. Logueはバイオインフォマティクスの専門家として、PTSDやパニック障害などの不安障害の全ゲノム相関研究などの遺伝学的アプローチからの病因解明を試みてきています。アルツハイマー病の研究も行っています。中枢神経疾患の病態解明や遺伝的研究手法・バイオインフォマティクスに関心のある先生方に広くご参加頂ければ幸いです。



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Research Interests

Dr. Logue's research involves the use of computational tools to search the human genome for genetic variants influencing risk of psychiatric and neurological disorders including panic disorder, post-traumatic stress disorder, and Alzheimer's disease. Dr Logue's research interest is to unravel complexity of psychiatric traits by integrating information from a variety of sources, including families with a multiple affected individuals, large case-control study samples, and samples from different ancestral populations, and by leveraging multiple sources of data. The identification of these variants can implicate new biological systems or molecular pathways which are disrupted, potentially resulting in the development of new biomarkers of disease, new treatments, or personalized therapies based on a patient's genetic profile.

本セミナーに関するお問合せ先:

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Selected Publications

1. Logue MW, et. al.. A genome-wide association study of post-traumatic stress disorder identifies the retinoid-related orphan receptor alpha (RORA) gene as a significant risk locus. *Molecular Psychiatry*. 2012
2. Logue MW, et. al.. Multivariate analysis of anxiety disorders yields further evidence of linkage to chromosomes 4q21, and 7p in panic disorder families. *American Journal of Medical Genetics Part B* 159B:247-280, 2012.
3. Logue MW, et. al. Genetic Variants at Multiple Loci Influence Alzheimer Disease Risk in African Americans. *Archives of Neurology*, 68:1569-1579, 2011.
4. Logue MW, et. al. Evidence of overlapping genetic diathesis of panic attacks and gastrointestinal disorders in a sample of male twin pairs. *Twin Research and Human Genetics*. 14:16-24, 2011.