

SAM Exam

Grants R44NS042992 & R44NS048815 | Period of support: 9/2003 – 9/2007 & 8/2008 – 7/2010

Challenge/Problem:

Without a “thermometer” for the mind, it is difficult for doctors to optimize care of treatments that affect cognitive brain function.

Current/Near Term Products: The Sustained Attention & Memory brain function Examination is the first clinical neurophysiological test of cognition. It has been applied to >1500 people across the lifespan and is particularly useful in assessing drug effects. It is fully operational, with additional functionality being developed.

Approach:

We transitioned our basic research into an efficient automated system for measuring neuroelectric brain signals during psychometric testing.

Future Plans:

We would like the SAM Exam to be widely available to help speed up development of drugs to treat disorders affecting cognition and to improve individualized medicine.

Business Name and Point of Contact:

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Collaboration/Partnering Opportunities:

We are seeking a large corporate strategic partner to commercialize the technology, for instance a CRO or medical device or medical testing company.

Keywords: cognition, brain function, medical test, CNS drug development