**Recent update on DARPA** [**Biological Technologies Office**](http://www.darpa.mil/Opportunities/Solicitations/DARPA_Solicitations.aspx#BTO)

By Dr. Justin Sanchez,

Program Manager, DARPA BTO

[DARPA-BAA-15-34@darpa.mil](mailto:DARPA-BAA-15-34@darpa.mil)

Mission: Leveraging biology to develop new technologies through biomimetic and biocentric approaches.

General Areas of interest: Diagnostics, injuries, prosthetics, medicine

Currently active areas in Neurotechnology through the President’s **BRAIN** initiative:

* Brain Machine interfaces and the HAND program for prosthetic limbs
* Brain control – brain vs virtual reality communications – using cortical signals for controlling devices – noninvasive brain-machine integrations
* Convergence of technologies – Big Data
* Cognitive capability – memory recovery – RAM (Restoring Active Memory) – webinar to be announced this week

**RAM (Restoring Active Memory) Replay**

Solicitation Number: DARPA-BAA-15-34

Synopsis:

Added: Apr 27, 2015 2:48 pm

The DARPA RAM Replay program is interested in investigating memory replay with respect to the consolidation of episodic memories and newly learned skills, and how these memories are recalled and utilized by humans during subsequent task performance. Respondents to this BAA must propose novel approaches to quantitatively model various parameters associated with human memory replay, and to utilize this model in the development of interventions that assess quality of replay and enable and improve associated memory recall during operationally relevant tasks.  See Attachment for complete BAA requirements.

Added: May 04, 2015 10:37 am

The purpose of Modification 1 to DARPA-BAA-15-34, the RAM (Restoring Active Memory) Replay Broad Agency Announcement, is to clarify the submission deadlines.

Section 4.5 is updated as follows:

4.5 SUBMISSION DATES AND TIME  
4.5.1 Proposal Abstract Submission Deadline

The proposal abstract must be submitted to DARPA/BTO), 675 North Randolph Street, Arlington, VA 22203-2114 (Attn.: DARPA-BAA-15-34) on or before 4:00 p.m., ET, May 14, 2015.  Proposal abstracts received after this time and date may not be reviewed.  
  
4.5.2 Full Proposal Submission Deadline

The full proposal must be submitted to DARPA/BTO), 675 North Randolph Street, Arlington, VA 22203-2114 (Attn.: DARPA-BAA-15-34) on or before 4:00 p.m., ET, June 16, 2015.

Failure to comply with the submission procedures may result in the submission not being evaluated.  DARPA will acknowledge receipt of complete submissions via email and assign control numbers that should be used in all further correspondence regarding proposals.

DARPA will post and regularly update a consolidated Question and Answer list in response to any relevant and/or BAA clarification question(s) after May 8, 2015.  In order to receive a response to your question, submit your question to DARPA-BAA-15-34@darpa.mil.

Contracting Office Address: 675 North Randolph Street, Arlington, Virginia 22203-2114, United States

**Primary Point of Contact:**

Dr. Justin Sanchez,

Program Manager, DARPA BTO

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