

Biochronicity and Temporal Mechanisms Arising in Nature (BaTMAN); RFI DARPA-SN-10-55; **Responses due July 30, 2010, by 4:00PM ET.**

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Research and development sources sought for ideas that may support a potential new DARPA program designed to transform biology into a predictive discipline by correlating spatial and temporal parameters with developmental and evolutionary processes.

DESCRIPTION

The Defense Sciences Office (DSO) of the Defense Advanced Research Projects Agency (DARPA) is seeking innovative ideas that may support a potential new DARPA program designed to provide novel approaches to reveal the fundamental nature of time in biology.

Biochronicity and Temporal Mechanisms Arising in Nature (BaTMAN) could develop an understanding of the relationship between biological systems and the spatial-temporal universe through the application of advanced principles from the physical sciences. In defining the relationship, one aim of this line of research is to transform biology from a descriptive to a predictive field of science.

Topic areas that may be of interest include, but are not limited to: quantum biology and molecular clocks; resetting and synchronization of biological clocks and rhythms; microscale recapitulation in macroscale; evolutionary pressure and time; physiological signal processing and clocks; timing and cognition; and robustness of clocks in development.

SUBMISSION

Respondents to this RFI are encouraged to be as succinct as possible, while also providing actionable insight.

All technical and administrative correspondence, questions regarding this announcement, and how to respond to this RFI, should be sent to DARPA-SN-10-55@darpa.mil. Please refer to "BaTMAN RFI" in all correspondence. Emails sent directly to the Program Manager will result in no response.

DISCLAIMERS AND IMPORTANT NOTES

This is an RFI issued solely for information and new program planning purposes; it does not constitute a formal solicitation for proposals. In accordance with FAR 15.201(e), responses to this notice are not offers and cannot be accepted by the Government to form a binding contract. Submission is voluntary and is not required to propose to a subsequent Broad Agency Announcement (BAA) (if any) or other research solicitation (if any) on this topic. DARPA will NOT provide reimbursement for costs incurred in responding to this RFI. **NO CLASSIFIED INFORMATION SHOULD BE INCLUDED IN THE RFI RESPONSE.** It is the submitter's responsibility to clearly define to the Government what is considered proprietary data. Any proprietary information should be clearly labeled as "proprietary". DARPA will disclose submission contents only for the purpose of review and evaluation. Respondents are advised that

DARPA is under no obligation to acknowledge receipt of the information received or provide feedback to respondents with respect to any information submitted under this RFI.