

## **Funding plan**

I'd like to seek funding for graduate students. There is ample scope for projects with my theory and system, which could provide fertile areas for theses.

I would also seek funding to support collaborations within my own university and with other collaborators in universities in the US. I would very much like to collaborate with psychologists and neuroscientists in order to connect my model and theoretical ideas with more exact and detailed experimental findings. My research could provide a modeling and architectural dimension to a larger shared research program.

I have been told it is somewhat easier to obtain funding from NSF for international collaborations. I already have unfunded international collaborations in place with world class researchers, and these could be the basis for proposals.

I am familiar with most of the funding agencies in Washington and have met or talked with many of the program managers. I was supported for three years at Caltech by NSF grants that I wrote and reported on. This funding is mainly from the Division of Information and Intelligent Systems (IIS) in the Directorate for Computer Information Science and Engineering (CISE), the Cooperative Agents programs. Currently, NSF has the Artificial Intelligence & Cognitive Science program in CISE/IIS which has a good match to my research.

I currently have funding from the ONR Cognitive Neuroscience program, with Tom McKenna as program manager, the nominal PI being Alain Martin. After recent reorganization, Tom McKenna is head of the Bioengineering Group in the Cognitive, Neural and Biomolecular Division. This includes the Neural Computation program, from which there may be further funding available for FY 2005

There are currently programs in DARPA which match my research very well. The Information Processing Technology Office (IPTO) which has various programs to which my research is relevant. Currently active solicitations include: BAA 03-44: Self-regenerative systems (SRS), BAA 03-34: Real-world reasoning (REAL), and BAA 02-21: Cognitive Information Processing Technology.

My broadly based interdisciplinary research should connect well with the new NIH Roadmap. Possibly with neuroscience collaborators, there seems to be scope for brain modeling to be funded by NIMH and by NINDS. There is for example currently an NIH wide program: PAR-03-106: Innovations in biomedical computational science and technology.

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