

22 June 2005

Dr. Robert U. Muller
State Univ. of New York - Health Science Center at Brooklyn
450 Clarkson Ave.
Brooklyn, NY 11203

Dear Bob:

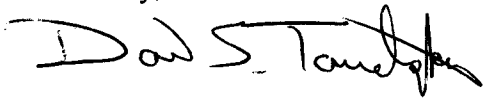
This letter will confirm my interest in collaborating with you on a computational investigation of how different regions of the hippocampal system respond to cue removal and cue conflict situations. This is a natural extension of our previous joint work on vector field, maximum likelihood estimation, and attractor neural network models of the cue card rotation experiment, which we recently published in *Hippocampus*.

Recent experiments in other labs (e.g., the Guzowski, Moser, and Knierim labs) have shown that CA3 and CA1 exhibit different time courses and extents of remapping in response to substantial changes in the environment. I am very interested in constructing models of these results, and would like to continue to explore with you how these areas (and also EC and DG) differ in response to more subtle types of manipulations.

Another question we can explore computationally is how these areas differ in their encoding of non-spatial variables, such as the different phases of the shock avoidance task described in your current grant proposal.

I look forward to continuing our collaborative relationship, and wish you success with the proposal.

Sincerely,

A handwritten signature in black ink, appearing to read "David S. Touretzky", with a stylized flourish at the end.

Dr. David S. Touretzky
Research Professor