Abstract Submitted
for the MAR14 Meeting of
The American Physical Society

Significantly Better Than Expected Sensitivity in Chemotactic Response by a Model Unicellular Eukaryote CARL FRANCK, IGOR SEGOTA, Cornell University — Recently we demonstrated (Segota et al., J.R. Soc. Interface v. 10, 20130606 (2013)) that the conventional wisdom of what determines the signal to noise ratio in chemotaxis for the unicellular eukaryote, Dictyostelium discoideum is apparently fundamentally flawed. In our poster we will review the evidence and point to appropriate next steps in both experiment and theory.