

Publications

Iversen, L., Tu, H.-L., Lin, W.-C., Christensen, S.M., Abel, S.M., Iwig, J., Wu, H.-J., Gureasko, J., Yu, C.-H., Rhodes, C., Petit, R., Stamou, D., Chakraborty, A.K., Kuriyan, J., and Groves, J.T. Single molecule analysis of Ras activation by SOS reveals allosteric regulation via altered fluctuation dynamics. Submitted.

Hoerter, J.A.H., Brzostek, J., Artyomov, M.N., Abel, S.M., Casas, J., Rybakina, V., Ampudia, J., Lotz, C., Connolly, J.M., Chakraborty, A.K., Gould, K.G., and Gascoigne, N.R.J. T-cell activation enhancement by non-cognate ligand is dependent on CD8 affinity for agonist-MHC. Submitted.

Abel, S.M., Roose, J.P., Groves, J.T., Weiss, A., and Chakraborty, A.K. The membrane environment can promote or suppress bistability in cell signaling networks. *J. Phys. Chem. B* 116: 3630-3640 (2012).

Chung, W.K., Abel, S.M., and Chakraborty, A.K. Protein clusters on the T cell surface may suppress spurious early signaling events. *PLoS ONE* 7: e44444 (2012).

Abel, S.M., Tse, Y.-L.S., and Andersen, H.C. Kinetic theories of dynamics and persistent caging in a one-dimensional lattice gas. *Proc. Natl. Acad. Sci. U.S.A.* 106: 15142-15147 (2009).