

Title: Using Fractals to Understand the Kinetics of Ion Channel Proteins

Abstract: Ion channel proteins in the cell membrane switch between shapes that are open or closed to the flow of ions such as potassium or sodium. The patch clamp technique can be used to measure the open and closed times in individual ion channel molecules. The analysis of these times can provide information on the structure and motions in these proteins (<http://www.ccs.fau.edu/liebovitch/dyn.html>).