

Abstract Submitted
for the MAR09 Meeting of
The American Physical Society

Probing the reversibility of the Dscam Dimer with Light Scattering and Colloids JESSE COLLINS, Harvard SEAS, DIETMAR SCHMUCKER, Harvard/Dana Farber Cancer Institute, VINOTHAN MANOHARAN, Harvard — Dscam (Down-syndrome cell adhesion molecule) is a fascinating example of the highly specific interactions unique to biomolecules. The extracellular domain is spliced into over 18,000 isoforms. With few exceptions, each isoform, despite conservation of over 95% of amino acid residues between isoforms, binds to itself and to no other in the set. We investigate the effect of salt and pH on the reversibility of this interaction.

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Date submitted: 01 Dec 2008

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