Investigating the Molecular Driving Forces of Liquid-Liquid Phase Separation in Intrinsically Disordered Proteins

Ellen Carrick[1], Michael Williams[2], Jennifer J. McManus[1]

[1] HH Wills Physics Laboratory, School of Physics, University of Bristol, Tyndall Avenue, Bristol, BS8 1TL

[2] Applied Photophysics, 21 Mole Business Park, Randalls Rd, Leatherhead KT22 7BA

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Introduction

Liquid-Liquid phase separation (LLPS) can help us explain...

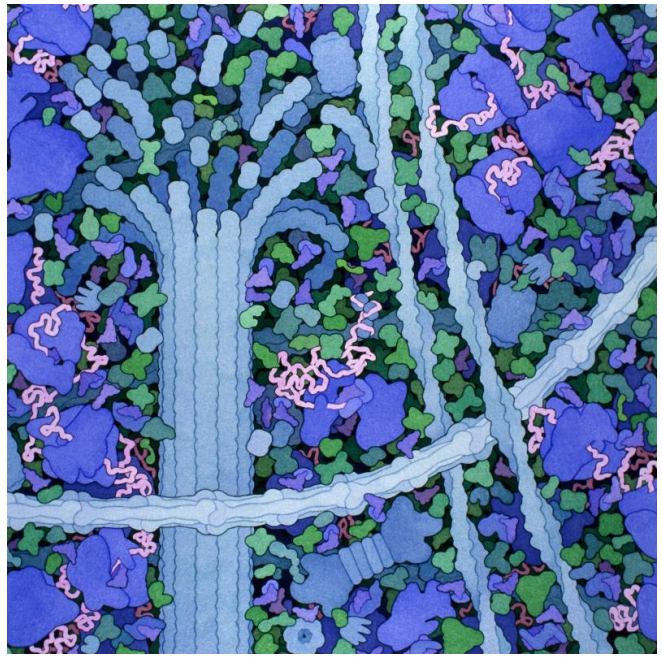
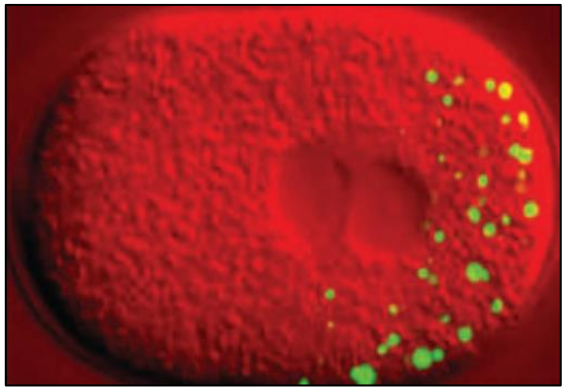
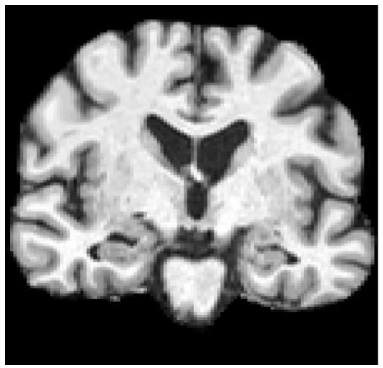
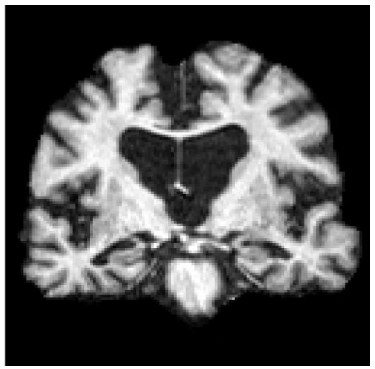


Illustration by David S. Goodsell.

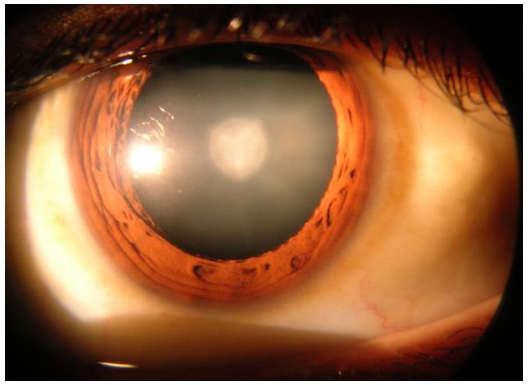


Brangwynne *et al.,* Science, 2009.





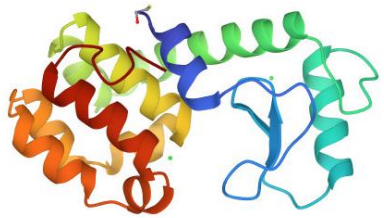
Ledig *et al.,* Nature, 2018.



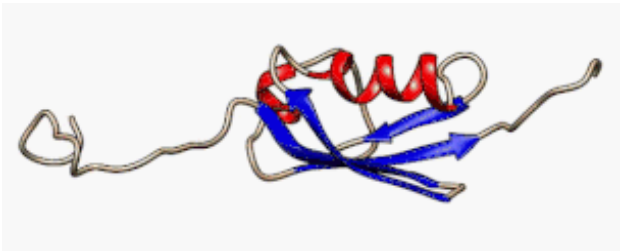
How cells organise,

How diseases form.

LLPS in Intrinsically Disordered Proteins

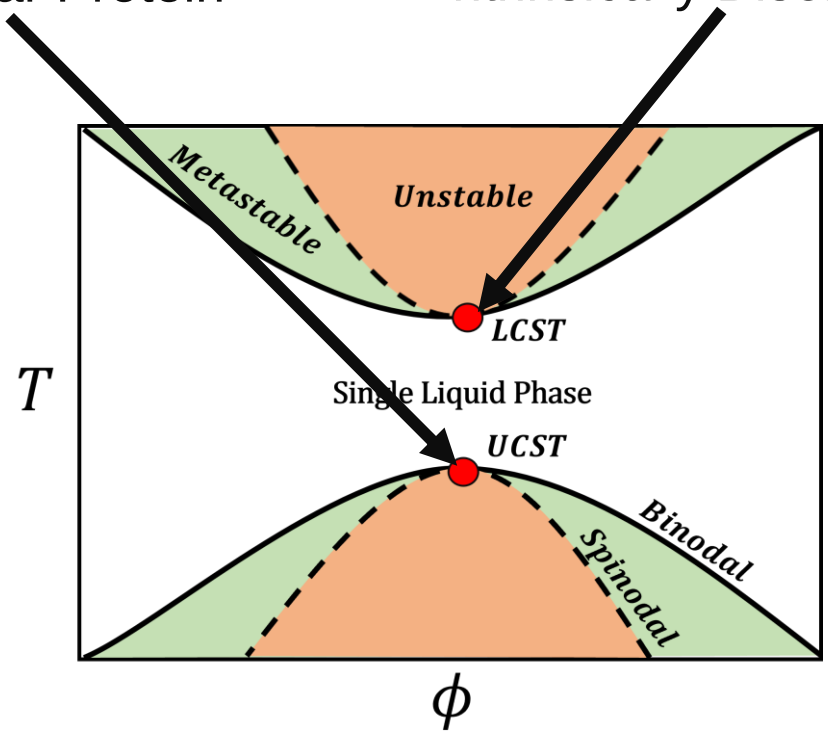


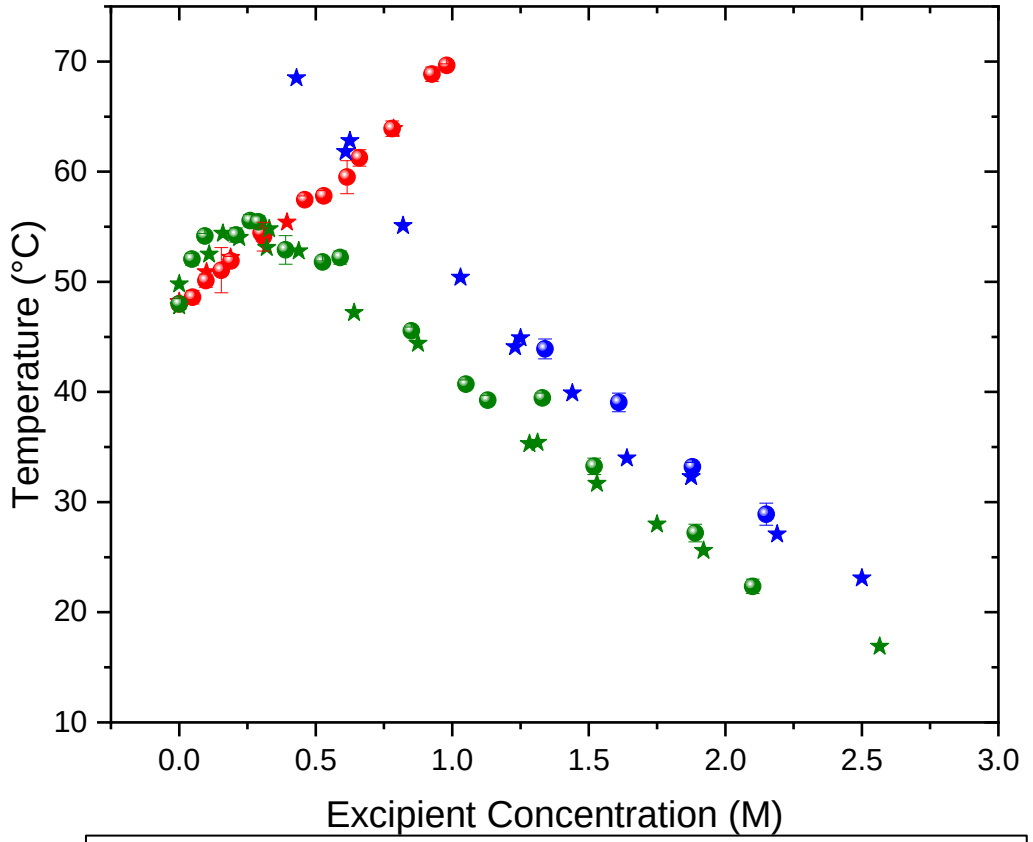
Shoichet *et al., PNAS, 1995.*



Globular Protein

Intrinsically Disordered Protein





NaCl in 50 mM Sodium Acetate pH 4.7
NaCl in 50 mM Sodium Phosphate pH 7
Urea in 50 mM Sodium Acetate pH 4.7

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