Repeat amino acid sequences are important in protein structure, disorder, function and evolution. Repeats of some amino acids exist in proteomes across species.

This volume highlights

- Which repeat sequences have pathogenic consequences and why?
- Repeats which lead to surface hydrophobic clusters and their importance.
- Role of aromatic amino acid clusters in protein-protein and protein-drug interactions.
- Cell-penetrating peptides and Elastin-like peptides.
- Unusual phenomenon of fluorescence observed with repeats of some non-aromatic amino acids.
- The use of residue cluster classes to represent protein structure and model structure-function relationships.

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