

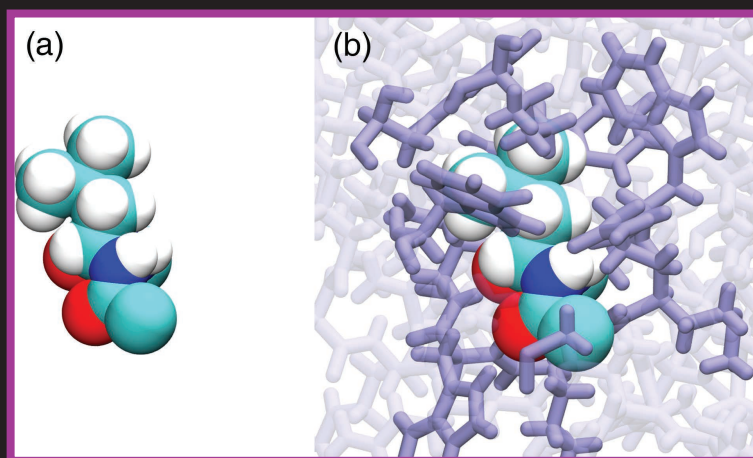
# peds

protein engineering design & selection

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## cover illustration

Images from the paper by D. Caballero, A. Virrueta, C. S. O'Hern, and L. Regan, which explores the role of steric repulsion in specifying the conformation of amino acid side-chains, both as isolated 'dipeptide mimetics' and in the context of a protein core. Left: Space filling representation of the hard-sphere dipeptide mimetic model for a Leu residue. Right: Space filling representation of the hard-sphere model for a Leu residue in the context of a protein core (Leu 31 in PDB 2NWVD). Surrounding residues within 2.8 Å of Leu 31 are displayed in stick representation in purple, whereas the remaining residues have been faded. Each atom type in the Leu residue has a different color: Carbon (teal), Nitrogen (blue), Oxygen (red) and Hydrogen (white).

## production editor

Kate McKellar, Oxford University Press

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