

# Journal of Talin in mechanotransduction and mechanomemory at a glance



# Talin structure and binding partners



# Hypothesis: adhesions as memory modules and information-processing centres



Abbreviations: CDK1, cyclin-dependent kinase 1; CMSC, cortical microtubule stabilising complex; DLC1, deleted in liver cancer 1; ECM, extracellular matrix; ERK, extracellular-signal-regulated kinase; F-actin, filamentous actin; FAK, focal adhesion kinase; Gα 13, guanine nucleotide-binding protein subunit  $\alpha$ 13; GIT, G-protein-coupled receptor kinase-interacting proteins; IACs, integrin

adhesion complexes; ILK, integrin-linked kinase; Kd, equilibrium dissociation constant; KANK, KN motif and ankyrin repeat domain-containing protein; PIPKIy90, phosphatidylinositol 4-phosphate 5-kinase type-1 y90; PIP<sub>2</sub>, phosphatidylinositol (4,5)-bisphosphate; pN, piconewton; Rap1, Ras-related protein 1; RIAM, Rap1-GTP-interacting adapter molecule.

Benjamin T. Goult, Nicholas H. Brown and Martin Schwartz







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