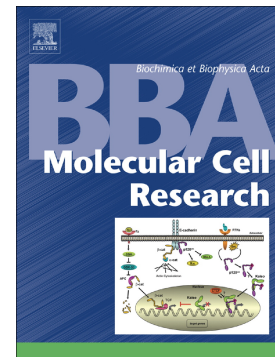


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Degradation of fibrin- β amyloid co-aggregate: a novel function attributed to ubiquitin***Payel Bhattacharjee¹, Debashree De¹ and Debasish Bhattacharyya^{1,2¶}**¹Division of Structural Biology and Bioinformatics, CSIR - Indian Institute of Chemical Biology, 4, Raja S. C. Mallick Road, Jadavpur, Kolkata-700032, India²Department of Zoology, Tripura University, Suryamaninagar, West Tripura - 799022, India

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Coauthors: payel.iicb@gmail.com, debashreede.res@gmail.com**Keywords:** Alzheimer disease, fibrinolysis, fibrin- β amyloid co-aggregate, ubiquitin, cerebrovascular damage.**The abbreviations used are-** AD, Alzheimer disease; AFM, atomic force microscopy; CAA, cerebral amyloid angiopathy; CHCA, α -cyano-4-hydroxycinnamic acid; DAPI, 4',6-diamidino-2-phenylindole; DMEM, Dulbecco's modified eagle medium; DMSO, dimethylsulfoxide; ELISA, enzyme-linked immunosorbent assay; FDPs, fibrin degradation products; FITC, fluorescein isothiocyanate; HFIP, 1,1,1,3,3,3-hexa-fluoro iso-propanol; HPE, human placental extract; HSA, human serum albumin; LDH, lactate dehydrogenase; MS, mass spectrometry; MTT, (3-[4,5-dimethylthiazol-2-yl]-2,5-diphenyltetrazolium bromide); PBS, phosphate buffered saline, pH 7.2; PDB, protein data bank; SEM, scanning electron microscopy; SPR, surface plasmon resonance; TFA, trifluoroacetic acid; ThT, thioflavinT; TIRF, total internal reflection fluorescence.

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