



Recent publications

1 Varone E, Chernorudskiy A, Cherubini A, Cattaneo A, Bachi A, Fumagalli S, Erol G, Gobbi M, Lenardo MJ, Borgese N, Zito E.

ERO1 alpha deficiency impairs angiogenesis by increasing N-glycosylation of a proangiogenic VEGFA.

Redox Biol. 2022 Oct;56:102455. doi: 10.1016/j.redox.2022.102455

2 Ajazi A, Choudhary R, Tronci L, Bachi A, Bruhn C.

CTP sensing and Mec1ATR-Rad53CHK1/CHK2 mediate a two-layered response to inhibition of glutamine metabolism.

PLoS Genet. 2022 Mar 3;18(3):e1010101. doi: 10.1371/journal.pgen.1010101.

3 Ajazi A, Bruhn C, Shubassi G, Lucca C, Ferrari E, Cattaneo A, Bachi A, Manfrini N, Biffo S, Martini E, Minucci S, Vernieri C, Foiani M.

Endosomal trafficking and DNA damage checkpoint kinases dictate survival to replication stress by regulating amino acid uptake and protein synthesis.

Dev Cell. 2021 Sep 27;56(18):2607-2622.e6. doi: 10.1016/j.devcel.2021.08.019

4 Mangiameli E, Cecchele A, Morena F, Sanvito F, Matafora V, Cattaneo A, Della Volpe L, Gnani D, Paulis M, Susani L, Martino S, Di Micco R, Bachi A, Gritti A.

Human iPSC-based neurodevelopmental models of globoid cell leukodystrophy uncover patient- and cell type-specific disease phenotypes.

Stem Cell Reports. 2021 Jun 8;16(6):1478-1495. doi: 10.1016/j.stemcr.2021.04.011

5 Cattaneo A, Martano G, Restuccia U, Tronci L, Bianchi M, Bachi A, Matafora V.

Opti-nQL: An Optimized, Versatile and Sensitive Nano-LC Method for MS-Based Lipidomics Analysis.

Metabolites. 2021 Oct 21;11(11):720. doi: 10.3390/metabo11110720

6 Frayssinhes JA, Cerruti F, Laulin J, Cattaneo A, Bachi A, Apcher S, Coux O, Cascio P.

PA28γ-20S proteasome is a proteolytic complex committed to degrade unfolded proteins.

Cell Mol Life Sci. 2021 Dec 16;79(1):45. doi: 10.1007/s00018-021-04045-9

7 Chernorudskiy A, Varone E, Colombo SF, Fumagalli S, Cagnotto A, Cattaneo A, Briens M, Baltzinger M, Kuhn L, Bachi A, Berardi A, Salmona M, Musco G, Borgese N, Lescure A, Zito E.

Selenoprotein N is an endoplasmic reticulum calcium sensor that links luminal calcium levels to a redox activity.

Proc Natl Acad Sci U S A. 2020 Sep 1;117(35):21288-21298. doi: 10.1073/pnas.2003847117

8 Bruckmann C, Tamburri S, De Lorenzi V, Doti N, Monti A, Mathiasen L, Cattaneo A, Ruvo M, Bachi A, Blasi F.

Mapping the native interaction surfaces of PREP1 with PBX1 by cross-linking mass-spectrometry and mutagenesis.

Sci Rep. 2020 Oct 8;10(1):16809. doi: 10.1038/s41598-020-74032-w

9 Bisi S, Marchesi S, Rizvi A, Carra D, Beznoussenko GV, Ferrara I, Deflorian G, Mironov A, Bertalot G, Pisati F, Oldani A, Cattaneo A, Saberamoli G, Pece S, Viale G, Bachi A, Tripodo C, Scita G, Disanza

IRSp53 controls plasma membrane shape and polarized transport at the nascent lumen in epithelial tubules.

Nat Commun. 2020 Jul 14;11(1):3516. doi: 10.1038/s41467-020-17091-x

10 Martano G, Leone M, D'Oro P, Matafora V, Cattaneo A, Masseroli M, Bachi A.

SMfinder: Small Molecules Finder for Metabolomics and Lipidomics Analysis.

Anal Chem. 2020 Jul 7;92(13):8874-8882. doi: 10.1021/acs.analchem.0c00585

11 Boulpicante M, Darrigrand R, Pierson A, Salgues V, Rouillon M, Gaudineau B, Khaled M, Cattaneo A, Bachi A, Cascio P, Apcher S.

Tumors escape immunosurveillance by overexpressing the proteasome activator PSME3.

Oncoimmunology. 2020 May 21;9(1):1761205. doi:10.1080/2162402X.2020.1761205