

Pubblications – Chiocca Susanna

BC-box protein domain-related mechanism for VHL protein degradation.
Pozzebon ME, Varadaraj A, Mattoscio D, Jaffray EG, Miccolo C, Galimberti V, Tommasino M, Hay RT, Chiocca S.
Proc Natl Acad Sci U S A. 2013 Oct 21. [Epub ahead of print]
PMID: 24145437 [PubMed - as supplied by publisher]

Molecular and biological analysis of histone deacetylase inhibitors with diverse specificities.
Johnstone RW, Newbold A, Matthews GM, Bots M, Cluse LA, Clarke CJ, Banks KM, Cullinane C, Bolden JE, Christiansen AJ, Dickins RA, Miccolo C, Chiocca S, Kral AM, Ozerova ND, Miller TA, Methot JL, Richon VM, Secrist JP, Minucci S.
Mol Cancer Ther. 2013 Oct 3. [Epub ahead of print]

A role for paralog-specific sumoylation in histone deacetylase 1 stability. Citro S, Jaffray E, Hay RT, Seiser C, Chiocca S. J Mol Cell Biol. 2013 Sep 25. [Epub ahead of print].

Viral manipulation of cellular protein conjugation pathways: the SUMO lesson
Mattoscio D, Segre' CV, Chiocca S. World Journal of Virology. 2013 May 12; 2(2)

A dual role for Hdac1: oncosuppressor in tumorigenesis, oncogene in tumor maintenance. Santoro F, Botrugno OA, Dal Zuffo R, Pallavicini I, Matthews GM, Cluse L, Barozzi I, Senese S, Fornasari L, Moretti S, Altucci L, Pelicci PG, Chiocca S, Johnstone RW, Minucci S. Blood. 2013 Feb 25. [Epub ahead of print]

Sumo paralogs: redundancy and divergencies. Citro S, Chiocca S. Front Biosci (Schol Ed). 2013 Jan 1;5:544-53.

The human cytomegalovirus DNA polymerase processivity factor UL44 is modified by SUMO in a DNA-dependent manner. Sinigalia E, Alvisi G, Segré CV, Mercorelli B, Muratore G, Winkler M, Hsiao HH, Urlaub H, Ripalti A, Chiocca S, Palù G, Loregian A. PLoS One. 2012;7(11):e49630. doi: 10.1371/journal.pone.0049630. Epub 2012 Nov 15.

Lifting the threshold between life and death: SUMO and HDAC fine-tune HIPK2 to sense redox status. Chiocca S, Seiser C. Mol Cell. 2012 May 25;46(4):382-3. doi: 10.1016/j.molcel.2012.05.010.

Role for histone deacetylase 1 in human tumor cell proliferation. Senese S, Zaragoza K, Minardi S, Muradore I, Ronzoni S, Passafaro A, Bernard L, Draetta GF, Alcalay M, Seiser C, Chiocca S. Mol Cell Biol. 2007 Jul;27(13):4784-95. Epub 2007 Apr 30.

Targeting SUMO E1 to ubiquitin ligases: a viral strategy to counteract sumoylation.
Boggio R, Passafaro A, Chiocca S. *J Biol Chem.* 2007 May 25;282(21):15376-82. Epub 2007 Mar 28.

A mechanism for inhibiting the SUMO pathway. Boggio R, Colombo R, Hay RT, Draetta GF, Chiocca S. *Mol Cell.* 2004 Nov 19;16(4):549-61.

The adenovirus protein Gam1 interferes with sumoylation of histone deacetylase 1.
Colombo R, Boggio R, Seiser C, Draetta GF, Chiocca S. *EMBO Rep.* 2002 Nov;3(11):1062-8.

Histone deacetylase 1 inactivation by an adenovirus early gene product. Chiocca S, Kurtev V, Colombo R, Boggio R, Sciarpi MT, Brosch G, Seiser C, Draetta GF, Cotten M. *Curr Biol.* 2002 Apr 2;12(7):594-8.

Activation of heat shock response by an adenovirus is essential for virus replication.
Glotzer JB, Saltik M, Chiocca S, Michou A-I, Moseley P, Cotten M. *Nature.* 2000 407, 207-211.