

- 1: Lanfranco MF, Loayza-Muro R, Clark D, Núñez R, Zavaleta AI, Jimenez M, Meldal M, Coombs GH, Mottram JC, Izidoro M, Juliano MA, Juliano L, Arévalo J. Expression and substrate specificity of a recombinant cysteine proteinase B of *Leishmania braziliensis*. *Mol Biochem Parasitol.* 2008 Oct;161(2):91-100.
doi: 10.1016/j.molbiopara.2008.06.005. Epub 2008 Jun 20. PMID: 18639590.
- 2: Alves FM, Hirata IY, Gouvea IE, Alves MF, Meldal M, Brömmel D, Juliano L, Juliano MA. Controlled peptide solvation in portion-mixing libraries of FRET peptides: improved specificity determination for Dengue 2 virus NS2B-NS3 protease and human cathepsin S. *J Comb Chem.* 2007 Jul-Aug;9(4):627-34.
doi: 10.1021/cc070042k. Epub 2007 Jun 12. PMID: 17563123.
- 3: Juliano MA, Brooks DR, Selzer PM, Pandolfo HL, Judice WA, Juliano L, Meldal M, Sanderson SJ, Mottram JC, Coombs GH. Differences in substrate specificities between cysteine protease CPB isoforms of *Leishmania mexicana* are mediated by a few amino acid changes. *Eur J Biochem.* 2004 Sep;271(18):3704-14.
doi: 10.1111/j.1432-1033.2004.04311.x. PMID: 15355348.
- 4: St Hilaire PM, Alves LC, Herrera F, Renil M, Sanderson SJ, Mottram JC, Coombs GH, Juliano MA, Juliano L, Arevalo J, Meldal M. Solid-phase library synthesis, screening, and selection of tight-binding reduced peptide bond inhibitors of a recombinant *Leishmania mexicana* cysteine protease B. *J Med Chem.* 2002 May 9;45(10):1971-82.
doi: 10.1021/jm0110901. PMID: 11985465.
- 5: St Hilaire PM, Alves LC, Sanderson SJ, Mottram JC, Juliano MA, Juliano L, Coombs GH, Meldal M. The substrate specificity of a recombinant cysteine protease from *Leishmania mexicana*: application of a combinatorial peptide library approach. *Chembiochem.* 2000 Aug 18;1(2):115-22.
doi: 10.1002/1439-7633(20000818)1:2<115::aid-cbic115>3.3.co;2-#. PMID: 11828405.
- 6: Alves LC, Judice WA, St Hilaire PM, Meldal M, Sanderson SJ, Mottram JC, Coombs GH, Juliano L, Juliano MA. Substrate specificity of recombinant cysteine proteinase, CPB, of *Leishmania mexicana*. *Mol Biochem Parasitol.* 2001 Aug;116(1):1-9.
doi: 10.1016/s0166-6851(01)00290-0. PMID: 11463460.
- 7: Alves LC, St Hilaire PM, Meldal M, Sanderson SJ, Mottram JC, Coombs GH, Juliano L, Juliano MA. Identification of peptides inhibitory to recombinant cysteine proteinase, CPB, of *Leishmania mexicana*. *Mol Biochem Parasitol.* 2001 Apr 25;114(1):81-8.
doi: 10.1016/s0166-6851(01)00239-0. PMID: 11356516.
- 8: Alves LC, Melo RL, Sanderson SJ, Mottram JC, Coombs GH, Caliendo G, Santagada V, Juliano L, Juliano MA. S1 subsite specificity of a recombinant cysteine proteinase, CPB, of *Leishmania mexicana* compared with cruzain, human cathepsin L and papain using substrates containing non-natural basic amino acids. *Eur J Biochem.* 2001 Mar;268(5):1206-12.
doi: 10.1046/j.1432-1327.2001.01973.x. PMID: 11231271.

- 9: Almeida PC, Oliveira V, Chagas JR, Meldal M, Juliano MA, Juliano L. Hydrolysis by cathepsin B of fluorescent peptides derived from human prorenin. *Hypertension*. 2000 Jun;35(6):1278-83. doi: 10.1161/01.hyp.35.6.1278. PMID:10856277.
- 10: Sanderson SJ, Pollock KG, Hillel JD, Meldal M, Hilaire PS, Juliano MA, Juliano L, Mottram JC, Coombs GH. Expression and characterization of a recombinant cysteine proteinase of *Leishmania mexicana*. *Biochem J*. 2000 Apr 15;347(Pt 2):383-8. doi: 10.1042/0264-6021:3470383. PMID: 10749667; PMCID: PMC1220970.
- 11: St Hilaire PM, Willert M, Juliano MA, Juliano L, Meldal M. Fluorescence-quenched solid phase combinatorial libraries in the characterization of cysteine protease substrate specificity. *J Comb Chem*. 1999 Nov-Dec;1(6):509-23. doi: 10.1021/cc990031u. PMID: 10748728.
- 12: Ito AS, Turchiello RD, Hirata IY, Cezari MH, Meldal M, Juliano L. Fluorescent properties of amino acids labeled with ortho-aminobenzoic acid. *Biospectroscopy*. 1998;4(6):395-402. doi: 10.1002/(SICI)1520-6343(1998)4:6%3C395::AID-BSPY4%3E3.0.CO;2-Y. PMID: 9851720.
- 13: Meldal M, Svendsen IB, Juliano L, Juliano MA, Nery ED, Scharfstein J. Inhibition of cruzipain visualized in a fluorescence quenched solid-phase inhibitor library assay. D-amino acid inhibitors for cruzipain, cathepsin B and cathepsin L. *J Pept Sci*. 1998 Apr;4(2):83-91. doi: 10.1002/(sici)1099-1387(199804)4:2<83::aid-psc124>3.0.co;2-z. PMID: 9620612.
- 14: Nery ED, Juliano MA, Meldal M, Svendsen I, Scharfstein J, Walmsley A, Juliano L. Characterization of the substrate specificity of the major cysteine protease (cruzipain) from *Trypanosoma cruzi* using a portion-mixing combinatorial library and fluorogenic peptides. *Biochem J*. 1997 Apr 15;323 (Pt 2) (Pt 2):427-33. doi: 10.1042/bj3230427. PMID: 9163334; PMCID: PMC1218337.