

## Publications

1. Bettaieb A, Plenchette S, Paul C, Laurens V, Romagny S, Jeannin JF. S-nitrosylation in cancer cells: to prevent or to cause? (2015). *Nitric oxide and cancer: pathogenesis and therapy*. B Bonavida Editor.
2. Magadoux L, Isambert N, **Plenchette S**, Jeannin JF and Laurens V. Emerging targets to monitor and overcome docetaxel resistance in castration resistant prostate cancer. (2014). *Int J Oncology*. Sep;45(3):919-28.
2. Marivin A, Berthelet J, **Plenchette S**, and Dubrez, L. The Inhibitor of Apoptosis (IAPs) in Adaptive Response to Cellular Stress. (2012). *Cells* 1, 711-737.
3. Cartier J, Berthelet J, Marivin A, Gemble S, Edmond V, **Plenchette S**, Lagrange B, Hammann A, Dupoux A, Delva L, Eymine B, Solary E, Dubrez L. cellular inhibitor of apoptosis protein-1 (cIAP1) can regulate e2F1-mediated control of cyclin transcription. *J Biol Chem*. 2011 Jul 29;286(30):26406-17.
4. Leon-Bollotte L, Subramaniam S, Cauvard O, **Plenchette-Colas S**, Paul C, Godard C, Martinez-Ruiz A, Legembre P, Jeannin JF, and Bettaieb A. S-nitrosylation of the death receptor Fas amplifies Fas ligand-mediated cancer cell apoptosis. *Gastroenterology* 2011 Jun;140(7):2009-18.
5. Leon L, Lamrani M, **Plenchette-Colas S**, Jeannin JF, Bettaieb A. Forum on immunopathological diseases and therapeutics. 2010. 1 (4), 297-305.
6. Mahoney DJ, Cheung HH, Mrad RL, **Plenchette S**, Simard C, Enwere E, Arora V, Mak TW, Lacasse EC, Waring J, Korneluk RG. Both cIAP1 and cIAP2 regulate TNF $\alpha$ -mediated NF- $\kappa$ B activation. (2008) *PNAS* 105(33): 11778-83.
7. LaCasse EC, Mahoney DJ, Cheung HH, **Plenchette S**, Baird S, Korneluk RG. IAP-targeted therapies for cancer. *Oncogene* (2008 oct. 30) 27(48):6252-6275. Review.
8. Cheung HH\*, **Plenchette S\***, Kern CJ, Mahoney DJ, Korneluk RG. The RING domain of cIAP1 mediates the degradation of RING-bearing inhibitor of apoptosis proteins by distinct pathways. (July 2008) *Mol Biol Cell*. 19(7): 2729-40.  
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9. **Plenchette S**, Cheung H, Fong WG, LaCasse E, Korneluk RG. The role of XAF1 in cancer. *Current Opinion in Investigational Drugs* (2007) 8:469-476. Review.
10. Arora V, Cheung HH, **Plenchette S**, Micali OC, Liston P, Korneluk RG. Degradation of survivin by the XIAP-XAF1 complex. (2007) *J Biol Chem*. 282(36): 26202-26209.
11. OC Micali, HH Cheung, **S Plenchette**, SL Hurley, P Liston, EC LaCasse, RG Korneluk. Silencing of the XAF1 gene by promoter hypermethylation in cancer cells and reactivation to TRAIL-sensitization by IFN- $\gamma$ . (2007) *BMC Cancer*. Mar 21;7:52.
12. Ponnelle T, Chapusot C, Martin L, Bouvier AM, **Plenchette S**, Faivre J, Solary E, Piard F. (2005) Cellular localisation of Survivin: impact on the prognosis in colorectal cancer. *Journal of Cancer Research and Clinical Oncology*. 131(8):504-510.
13. **Plenchette S.**, Filomenko R., Logette E., Solier S., Buron N., Cathelin S., and Solary E. (2004) Analyzing markers of apoptosis in vitro. *Methods in molecular biology*. 281:313-31.
14. **Plenchette S**, Cathelin S, Rebe C, Launay S, Ladoire S, Sordet O, Ponnelle T, Debili N, Phan TH, Padua RA, Dubrez-Daloz L, Solary E. (2004) Translocation of the inhibitor of apoptosis protein c-IAP1 from the nucleus to the Golgi in hematopoietic cells undergoing differentiation: a nuclear export signal mediated event. *Blood*. 104(7):2035-43.
15. Ponnelle T, Chapusot C, Martin L, Bonithon-Kopp C, **Plenchette S**, Rageot D, Faivre J, Solary E, Piard F. (2003) Subcellular expression of c-IAP1, c-IAP2 in colorectal cancers: relationships with clinicopathological features and prognosis. *Pathology Research and Practice*. 199(11):723-31.

16. Parcellier A, Gurbuxani S, Seigneurin-Berny D, Pance A, Chantôme A, Schmitt E, **Plenchette S**, Khochbin S, Solary E, Garrido C. (2003) HSP27 is an ubiquitin-binding protein involved in I-kBa proteasomal degradation. *Molecular and Cellular Biology*. 23(16): 5790-5802.
17. Bettaieb A, Dubrez-Daloz L, Launay S, **Plenchette S**, Rébé C, Séverine C, Solary E. (2003) Bcl-2 proteins: targets and tools for chemosensitisation of tumor cells. *Current Medical Chemistry -Anti-Cancer Agents*. 3(4): 307-318. Review.
18. Sordet O, Rebe C, **Plenchette S**, Zermati Y, Hermine O, Vainchenker W, Garrido C, Solary E, Dubrez-Daloz L. (2002) Specific involvement of caspases in the differentiation of monocytes into macrophages. *Blood*. 100(13):4446-4453.
19. Solary E., **Plenchette S.**, Sordet O., Rebe C., Ducoroy P., Filomenko R., Bruey J.M., Droin N., Corcos L. (2001) Modulation of apoptotic pathways triggered by cytotoxic agents. *Thérapie*. 56(5):511-518. Review.
20. **Plenchette S.**, Moutet M., Benguella M., N'Gondara J.P., Guigner F., Coffe C., Corcos L., Bettaieb A., Solary E. (2001) Early increase in DcR2 expression and late activation of caspases in the platelet storage lesion. *Leukemia*. 15(10):1572-1581.
21. Sordet O., Rebe C., Leroy I., Bruey J.M., Garrido C., Miguet C., Lizard G., **Plenchette S.**, Corcos L., Solary E. (2001) Mitochondria-targeting drugs arsenic trioxide and lonidamine bypass the resistance of TPA-differentiated leukemic cells to apoptosis. *Blood*. 97(12):3931-3940.

1. **Plenchette S**, Fong WG, Korneluk RG . XAF1 (XIAP associated factor-1). *Atlas Genet Cytogenet Oncol Haematol*. January 2008.

URL : <http://AtlasGeneticsOncology.org/Genes/XAF1ID44095ch17p13.html>

2. Solary E., Droin N., Sordet O., Rebe C., Filomenko F., Wotawa A., **Plenchette S.**, and Ducoroy P. (2002) Cell death pathways as targets for anticancer drugs. From book: *Anticancer drug development*. 55-76. Edited by Bruce C. Baguley, David J. Kerr.

3. Cheung H, Arora V, Korneluk R, **Plenchette S**, Liston P. The IAP proteins and the XAF1 antagonist as cancer targets. *Clinical cancer research* 11 (24): 9175S-9176S Part 2 Suppl. S, Dec 15 2005.

## Communications

IV International workshop on "Nitric oxide". March 13-14, 2015, (Sevilla, Spain). *Oral communication. Invited speaker*. Role of S-nitrosylation in the extrinsic apoptotic signaling pathway in cancer.

Forum des Jeunes Chercheurs, Juin 2013 (Dijon). *Poster presentation by S Romagny*. S Romagny, G Lucchi, H Terenzi, A Bettaieb, S Plenchette. cIAP1 is S-nitrosylated in colorectal cancer cells upon nitric oxide donor treatment.

8th Conference on Signalling in Normal and Cancer cells. March 9-13, 2008, (Banff, Alberta, Canada). *Poster presentation*. **S. Plenchette**, HH Cheung, R.G. Korneluk. Relationship between XAF1 and the RING-associated ubiquitin E3 ligase activity of the mammalian Inhibitor of Apoptosis (IAP) proteins XIAP, c-IAP1 and c-IAP2.

20th DMD symposium. May 03 - May 05, 2007, (Ottawa, Canada). *Poster presentation*.

**S. Plenchette**, R.G. Korneluk. Relationship between XAF1 and the RING-associated ubiquitin E3 ligase activity of the mammalian Inhibitors of apoptosis (IAPs) proteins XIAP, c-IAP1 and c-IAP2.

Metabolomics: bioenergetics to Apoptosis (G5), Keystone Symposia. April 02 - April 07, 2006, (Snowbird, Utah, USA). *Poster presentation*.

**S. Plenchette**, R.G. Korneluk. Study of the relationship between XAF1 and the RING-associated ubiquitin E3 ligase activity of the mammalian Inhibitors of apoptosis (IAPs) proteins XIAP, c-IAP1 and c-IAP2.

X<sup>th</sup> Euroconference on Apoptosis, October 11-13 2002, Institut Pasteur (Paris, France). *Poster presentation* by A. Parcellier. Congress participation. A. Parcellier, S. Gurbuxani, D. Seigneurin-Berny, A. Pance, A. Chantôme, E. Schmitt, **S. Plenchette**, S. Khochbin, E. Solary, C. Garrido. HSP27 is an ubiquitin-binding protein involved in I- $\kappa$ B $\alpha$  proteasomal degradation.

IX<sup>th</sup> congress of the Club of Hematopoïsis and Oncogenesis, October 13-16 2002, Presqu'île de Giens (France). *Poster presentation*. **S. Plenchette**, C. Rebe, O. Sordet, T. Ponnelle, L. Dubrez-Daloz, E. Solary. Role of cIAP-1 in monocytic differentiation.

VIII<sup>th</sup> congress of the Club of Hematopoïsis and Oncogenesis, October 7-10 2001, Presqu'île de Giens (France) *Poster presentation*. **S. Plenchette**, M. Moutet, M. Ben Guella, JP N'Gondara, F. Guigner, C. Coffe, A. Bettaieb, L. Corcos, E. Solary. Late and limited activation of caspases during ex vivo platelet aging.

Forum des Jeunes chercheurs, June 14-15, 2001 Dijon (France). *Poster presentation*.

**S. Plenchette**, M. Moutet, M. Ben Guella, JP N'Gondara, F. Guigner, C. Coffe, A. Bettaieb, L. Corcos, E. Solary. Implication of molecular actors of apoptosis during platelet aging.

Forum des Jeunes chercheurs, June 22-23 2000, Besançon (France). *Oral communication*  
**S. Plenchette**, M. Ben Guella, E. Solary. Role of caspases during platelet aging.