

## **1. List of our own publications:**

### **2019:**

(1) Devaud C, Tilkin-Mariamé AF, Vignolle-Vidoni A, et al. **FAK alternative splice mRNA variants expression pattern in colorectal cancer.** Int J Cancer. 2019;145(2):494–502. doi:10.1002/ijc.32120

### **2018:**

(2) Cassagnes LE, Chhour M, Pério P, Sudor J, Gayon R, Ferry G, Boutin JA, Nepveu F, Reybier K. **Oxidative stress and neurodegeneration: The possible contribution of quinone reductase 2.** Free Radic Biol Med. 2018 Mar 8;120:56-61. doi: 10.1016/j.freeradbiomed.2018.03.002.

### **2017 :**

(3) Cassagnes LE, Rakotoarivelo N, Sirigu S, Pério P, Najahi E, Chavas LM, Thompson A, Gayon R, Ferry G, Boutin JA, Valentin A, Reybier K, Nepveu F. **Role of Quinone Reductase 2 in the Antimalarial Properties of Indolone-Type Derivatives.** Molecules. 2017 Jan 30;22(2). pii: E210. doi: 10.3390/molecules22020210.

### **2015:**

(4) Prel A, Caval V, Gayon R, Ravassard P, Duthoit C, Payen E, Maouche-Chretien L, Creneuguy A, Nguyen TH, Martin N, Piver E, Sevrain R, Lamouroux L, Le Boulch P, Deschaseaux F, Bouillé P, Sensébé L, Pagès JC. **Highly efficient in vitro and in vivo delivery of functional RNAs using new versatile MS2-chimeric retrovirus-like particles.** Mol Ther Methods Clin Dev. 2015 Oct 21;2:15039. doi: 10.1038/mtm.2015.39. eCollection 2015.

(5) Cassagnes LE, Perio P, Ferry G, Moulharat N, Antoine M, Gayon R, Boutin JA, Nepveu F, Reybier K. **In cellulo monitoring of quinone reductase activity and reactive oxygen species production during the redox cycling of 1,2 and 1,4 quinones.** Free Radic Biol Med. 2015 Dec;89:126-34. doi: 10.1016/j.freeradbiomed.2015.07.150. Epub 2015 Sep 18.

### **2014:**

(6) Jung L1, Tropel P, Moal Y, Teletin M, Jeandidier E, Gayon R, Himmelspach C, Bello F, André C, Tosch A, Mansouri A, Bruant-Rodier C, Bouillé P, Viville S. **ONSL and OSKM cocktails act synergistically in reprogramming human somatic cells into induced pluripotent stem cells.** Mol Hum Reprod. 2014 Feb 5.

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### **2013:**

(8) Yang G1, Si-Tayeb K, Corbineau S, Vernet R, Gayon R, Dianat N, Martinet C, Clay D, Goulinet-Mainot S, Tachdjian G, Tachdjian G, Burks D, Vallier L, Bouillé P, Dubart-Kupperschmitt A, Weber A. **Integration-deficient lentivectors: an effective strategy to purify and differentiate human embryonic stem cell-derived hepatic progenitors.** BMC Biol. 2013 Jul 19;11:86.

### 2003:

(9) Baldeschi C, Gache Y, Rattenholl A, Bouillé P, Danos O, Ortonne JP, Bruckner-Tuderman L, Meneguzzi G. **Genetic correction of canine dystrophic epidermolysis bullosa mediated by retroviral vectors.** Hum. Mol. Genet., 2003, **12** (15):1897-1905.

### 2001:

(10) Martinez-Arca S, Coco S, Mainguy G, Schenk U, Alberts P, Bouillé P, Mezzina M, Prochiantz A, Matteoli M, Louvard D, Galli T. **A common exocytotic mechanism mediates axonal and dendritic outgrowth.** J Neurosci., 2001, **21** (11): 3830-3838.

### 2000:

(11) Cottard V, Mulleman D, Bouille P, Mezzina M, Boissier MC, Bessis N. **Adeno-associated virus-mediated delivery of IL-4 prevents collagen-induced arthritis.** Gene Ther., 2000, **7** (22):1930-1939.

### 1999:

(12) Piéroni L, Bouillé P, Auclair C, Guillosson JJ, Nafziger J. **Early steps of replication of moloney murine leukemia virus in resting lymphocytes.** Virology, 1999, **262** (2):408-415.

(13) Bouillé P, Subra F, Mouscadet JF, Auclair C. **Antisense-mediated repression of DNA topoisomerase II expression leads to an impairment of HIV-1 replicative cycle.** J. Mol. Biol., 1999, **285** (3): 945-954.

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(14) Bouillé P, Subra F, Goulaouic H, Carteau S, Auclair C. **Impairment of Moloney murine leukemia virus integration in a cell line underexpressing DNA topoisomerase II.** Cancer Res., 1995, **55** (14): 3211-3217.  
February 2014

## **2. List of publications quoting Vectalys's or Flash Therapeutics' products:**

### **2019:**

- (15) Guyon C, Jmari N, Padonou F, et al. **Aire-dependent genes undergo Clp1-mediated 3'UTR shortening associated with higher transcript stability in the thymus.** Under revision; doi: 10.1101/837880
- (16) Vasseur L, Cens T, Wagner R, et al. **Importance of the Choice of a Recombinant System to Produce Large Amounts of Functional Membrane Protein hERG.** Int. J. Mol. Sci. 2019, 20, 3181.
- (17) Arfaoui A, Claire Rioualen C, Azzoni V, et al. **A genome-wide RNAi screen reveals essential therapeutic targets of breast cancer stem cells** EMBO Mol Med 2019 Sep 11: e9930
- (18) Fortunel NO, Chadli L, Coutier J et al. **KLF4 inhibition promotes the expansion of keratinocyte precursors from adult human skin and of embryonic-stem-cell-derived keratinocytes.** Nat Biomed Eng 2019 Oct 21. doi:10.1038/s41551-019-0464-6
- (19) Fortunel NO, Bouissou-Cadio E, Coutier,J et al. **Iterative Three-Dimensional Epidermis Bioengineering and Xenografting to Assess Long-Term Regenerative Potential in Human Keratinocyte Precursor Cells.** Methods in Molecular Biology. Humana Press 2019 Jul 1-13. doi: 10.1007/7651\_2019\_250
- (20) Le Vée, M, Bacle, A, Bruyere, A, Fardel, O. **Neonicotinoid pesticides poorly interact with human drug transporters.** J Biochem Mol Toxicol. 2019 Jul; 33:e22379 doi :10.1002/jbt.22379
- (21) Vlach M, Quesnot N, Dubois-Pot-Schneider H, et al. **Cytochrome P450 1A1/2, 2B6 and 3A4 HepaRG Cell-Based Biosensors to Monitor Hepatocyte Differentiation, Drug Metabolism and Toxicity.** Sensors 2019, 19(10) May, 2245.
- (22) Paindelli C, Navone N, Logothetis C, Friedl P, Dondossola E. **Engineered bone for probing organotypic growth and therapy response of prostate cancer tumoroids in vitro.** Biomaterials, Volume 197, March 2019, 296-304. doi: 10.1016/j.biomaterials.2019.01.027
- (23) Borot F, Wang H, Ma Y, Jafarov T, Raza A, Mahmood Ali A, and Mukherjee S. **Gene-edited stem cells enable CD33-directed immune therapy for myeloid malignancies.** Proceedings of the National Academy of Sciences May 2019, 201819992; DOI:10.1073/pnas.1819992116.
- (24) Xi Wen, Xuehua Xu, Wenxiang Sun, et al. **G-protein-coupled formyl peptide receptors play a dual role in neutrophil chemotaxis and bacterial phagocytosis** Molecular Biology of the Cell 2019 Jan 30:3, 346-356

### **2018:**

- (25) Dyczynska M., Yuab Y., Otroczak M., Parpal S., et al. **Targeting autophagy by small molecule inhibitors of vacuolar protein sorting 34 (Vps34) improves the sensitivity of breast cancer cells to Sunitinib.** Science Direct, 2018 October, Volume 435, Pages 32-43. <https://doi.org/10.1016/j.canlet.2018.07.028>
- (26) Quesnot, N., Bucher, S., Gade, C. et al. **Production of chlorzoxazone glucuronides via cytochrome P4502E1 dependent and independent pathways in human hepatocytes.** Arch Toxicol. 2018 92: 3077. <https://doi.org/10.1007/s00204-018-2300-2>

## 2017:

- (27) Gautron A-S, Juillerat A, Guyot V, Filhol J-M, Dessez E, Duclert A, Duchateau P, Poirot L, **Fine and predictable tuning of TALEN gene editing targeting for improved T-cell adoptive immunotherapy,** Molecular Therapy: Nucleic Acid (2017), doi: 10.1016/j.omtn.2017.10.005.
- (28) Katia Sayyed, Marc Le Vee, Ziad Abdel-Razzak, Olivier Fardel. **Inhibition of organic anion transporter (OAT) activity by cigarette smoke condensate.** Toxicol In Vitro. 2017 Jun 16. pii: S0887-2333(17)30163-7. doi: 10.1016/j.tiv.2017.06.014.
- (29) Esquerré M, Momot M, Goubier A, Gonindard C, Leung-Theung-Long S, Misseri Y, Bissery MC. **GTL001 and bivalent CyaA-based therapeutic vaccine strategies against human papillomavirus and other tumor-associated antigens induce effector and memory T-cell responses that inhibit tumor growth.** Vaccine. 2017 Mar 13;35(11):1509-1516. doi: 10.1016/j.vaccine.2017.01.074. Epub 2017 Feb 10.
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- (33) Anita Chalasani, Kyungmin Ji, Mansoureh Sameni, Samia H. Mazumder, Yong Xu, Kamiar Moin, Bonnie F. Sloane. **Live-Cell Imaging of Protease Activity: Assays to Screen Therapeutic Approaches.** Springer New York 2017, pp 215-225, DOI 10.1007/978-1-4939-6850-3\_16.

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- (40) Rouhani FJ, Nik-Zainal S, Wuster A, Li Y, Conte N, et al. (2016) **Mutational History of a Human Cell Lineage from Somatic to Induced Pluripotent Stem Cells**. *PLoS Genet* 12(4): e1005932. doi: 10.1371/journal.pgen.1005932

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(52) Alessandra De Robertis, Federica Mennillo, Marco Rossi, Silvia Valensin, Patrizia Tunici, Elisa Mori, Nicola Caradonna, Maurizio Varrone, Massimiliano Salerno. **Human Sarcoma Growth Is Sensitive to Small-Molecule Mediated AXIN Stabilization.** Published : May 19, 2014 DOI: 10.1371/journal.pone.0097847

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