

## 1. List of our own publications:

### 2018:

(1) Cassagnes LE, Chhour M, Péro 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:

(2) Cassagnes LE, Rakotoarivelo N, Sirigu S, Péro 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:

(3) Prel A, Caval V, Gayon R, Ravassard P, Duthoit C, Payen E, Maouche-Chretien L, Creneguy A, Nguyen TH, Martin N, Piver E, Sevrain R, Lamouroux L, Leboulch 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.

(4) 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:

(5) 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.

(6) Elbadawy HM, Gailledrat M, Desseaux C, Salvalaio G, Di Iorio E, Ferrari B, Bertolin M, Barbaro V, Parekh M, Gayon R, Munegato D, Franchin E, Calistri A, Palù G, Parolin C, Ponzin D, Ferrari S. **Gene transfer of integration defective anti-HSV-1 meganuclease to human corneas ex vivo.** Gene Ther. 2014 Jan 16.

### 2013:

(7) 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:

(8) 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:

(9) 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:

(10) 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:

(11) 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.

(12) 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.

### 1995:

(13) Bouillé P, Subra F, Goulaouic H, Carreau 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:**

- (14) Painedelli 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, Pages 296-304. <https://doi.org/10.1016/j.biomaterials.2019.01.027>

### **2018:**

- (15) Dyczynskia 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>
- (16) 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:**

- (17) 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.
- (18) 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.
- (19) 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.
- (20) Lisa Chedik, Arnaud Bruyere, Marc Le Vee, Bruno Stieger, Claire Denizot, Yannick Parmentier, Sophie Potin, Olivier Fardel (2017). **Inhibition of Human Drug Transporter Activities by the Pyrethroid Pesticides Allethrin and Tetramethrin.** January 18, 2017 doi.10.1371/journal.pone.0169480
- (21) Francesca Stillitano, Jens Hansen, Chi-Wing Kong, Ioannis Karakikes, Christian Funck-Brentano, Lin Geng, Stuart Scott, Stephan Reynier, Ma Wu, Yannick Valogne, Carole Desseaux, Joe-Elie Salem, Dorota Jeziorowska, Noel Zahr, Ronald Li, Ravi Iyengar, Roger J Hajjar, Jean-Se´bastien Hulot (2017). **Modeling susceptibility to drug-induced long QT with a panel of subject-specific induced pluripotent stem cells.** *eLife* 2017;6:e19406

(22) Cassagnes, L.-E.; Rakotoarivelo, N.; Sirigu, S.; Pério, P.; Najahi, E.; Chavas, L.M.G.; Thompson, A.; Gayon, R.; Ferry, G.; Boutin, J.A.; Valentin, A.; Reybier, K.; Nepveu, F. **Role of Quinone Reductase 2 in the Antimalarial Properties of Indolone-Type Derivatives.** *Molecules* 2017, 22, 210.

(23) 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.

## 2016:

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(30) 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

## 2015:

(31) Prel A, Caval V, Gayon R, Ravassard P, Duthoit C, Payen E, Maouche-Chretien L, Crenequy A, Nguyen TH, Martin N, Piver E, Sevrain R, Lamouroux L, Leboulch P, Deschaseaux F, Bouillé P, Sensébé L, Pagès JC (2015). **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.

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(46) Ulrik Kristensen, Alexey Epanchintsev, Marc-Alexander Rauschendorf, Vincent Laugel, Tinna Stevnsner, Vilhelm A. Bohr, Frédéric Coin, and Jean-Marc Egly. **Regulatory interplay of Cockayne syndrome B ATPase and stress-response gene ATF3 following genotoxic stress.** 2013, vol. 110 no. 25 Ulrik Kristensen, E2261–E2270, doi: 10.1073/pnas.1220071110

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