

CIT : publications 2018

I. Articles publiés avec premier ou co-premier auteur CIT

1. Puleo, F.*, **Nicolle, R.***, Blum, Y., Cros, J., **Marisa, L.**, Demetter, P., Quertinmont, E., Svrcek, M., **Elarouci, N.**, Iovanna, J., Franchimont, D., Verset, L., Galdon, M. G., Devière, J., **de Reyniès, A.**, Laurent-Puig, P., Van Laethem, J.-L., Bachet, J.-B. & Maréchal, R. Stratification of Pancreatic Ductal Adenocarcinomas Based on Tumor and Microenvironment Features. *Gastroenterology* (2018). doi:10.1053/j.gastro.2018.08.033
2. **Petitprez, F.**, Vano, Y. A., **Becht, E.**, Giraldo, N. A., **de Reyniès, A.**, Sautès-Fridman, C. & Fridman, W. H. Transcriptomic analysis of the tumor microenvironment to guide prognosis and immunotherapies. *Cancer Immunol. Immunother.* 67, 981–988 (2018).
3. **Petitprez, F.**, Sun, C.-M., Lacroix, L., Sautès-Fridman, C., **de Reyniès, A.** & Fridman, W. H. Quantitative Analyses of the Tumor Microenvironment Composition and Orientation in the Era of Precision Medicine. *Front Oncol* 8, 390 (2018).
4. **Marisa, L.**, Svrcek, M., Collura, A., **Becht, E.**, Cervera, P., Wanherdrick, K., Buhard, O., Goloudina, A., **Jonchère, V.**, Selves, J., Milano, G., Guenot, D., Cohen, R., Colas, C., Laurent-Puig, P., Olschwang, S., Lefèvre, J. H., Parc, Y., Boige, V., Lepage, C., André, T., Fléjou, J.-F., Dérange, V., Ghiringhelli, F., **de Reyniès, A.** & Duval, A. The Balance Between Cytotoxic T-cell Lymphocytes and Immune Checkpoint Expression in the Prognosis of Colon Tumors. *J. Natl. Cancer Inst.* 110, (2018).
5. Lomberk, G.*, **Blum, Y.***, **Nicolle, R.***, Nair, A., Gaonkar, K. S., **Marisa, L.**, Mathison, A., Sun, Z., Yan, H., **Elarouci, N.**, **Armenoult, L.**, **Ayadi, M.**, Ordog, T., Lee, J.-H., Oliver, G., Klee, E., Moutardier, V., Gayet, O., Bian, B., Duconseil, P., Gilabert, M., Bigonnet, M., Garcia, S., Turrini, O., Delperio, J.-R., Giovannini, M., Grandval, P., Gasmi, M., Secq, V., **de Reyniès, A.**, Dusetti, N., Iovanna, J. & Urrutia, R. Distinct epigenetic landscapes underlie the pathobiology of pancreatic cancer subtypes. *Nature Communications* 9, 1978 (2018).
6. **Kamoun, A.**, Cancel-Tassin, G., Fromont, G., **Elarouci, N.**, **Armenoult, L.**, **Ayadi, M.**, Irani, J., Leroy, X., Villers, A., Fournier, G., Doucet, L., Boyault, S., Brureau, L., Multigner, L., Diedhiou, A., Roupert, M., Compérat, E., Blanchet, P., **de Reyniès, A.** & Cussenot, O. Comprehensive molecular classification of localized prostate adenocarcinoma reveals a tumour subtype predictive of non-aggressive disease. *Annals of Oncology*. 29, 1814–1821 (2018).
7. **Jonchère, V.***, **Marisa, L.***, Greene, M. *, Virouleau, A., Buhard, O., Bertrand, R., Svrcek, M., Cervera, P., Goloudina, A., Guillerm, E., Coulet, F., Landman, S., Ratovomanana, T., **Job, S.**, **Ayadi, M.**, **Elarouci, N.**, **Armenoult, L.**, Merabtene, F., Dumont, S., Parc, Y., Lefèvre, J. H., André, T., Fléjou, J.-F., Guilloux, A., Collura, A., **de Reyniès, A.** & Duval, A. Identification of Positively and Negatively Selected Driver Gene Mutations Associated With Colorectal Cancer With Microsatellite Instability. *Cell Mol Gastroenterol Hepatol* 6, 277–300 (2018).
8. **Job, S.**, Draskovic, I., Burnichon, N., Buffet, A., Cros, J., Lépine, C., Venisse, A., Robidel, E., Verkarre, V., Meatchi, T., Sibony, M., Amar, L., Bertherat, J., **de Reyniès, A.**, Londoño-Vallejo, A., Favier, J., Castro-Vega, L.-J. & Gimenez-Roqueplo, A.-P. Telomerase activation and ATRX mutations are independent risk factors for metastatic pheochromocytoma and paraganglioma. *Clinical Cancer Research*. (2018). doi:10.1158/1078-0432.CCR-18-0139

II. Articles publiés avec co-auteur CIT

1. Weinstein, A. M., Giraldo, N. A., **Petitprez, F.**, Julie, C., Lacroix, L., Peschaud, F., Emile, J.-F., **Marisa, L.**, Fridman, W. H., Storkus, W. J. & Sautès-Fridman, C. Association of IL-36γ with tertiary lymphoid structures and inflammatory immune infiltrates in human colorectal cancer. *Cancer Immunol. Immunother.* (2018). doi:10.1007/s00262-018-2259-0
2. Verbiest, A., Lambrechts, D., Van Brussel, T., Couchy, G., Wozniak, A., Méjean, A., Lerut, E., Oudard, S., Verkarre, V., **Job, S.**, **de Reyniès, A.**, Machiels, J.-P., Patard, J.-J., Zucman-Rossi, J. & Beuselinck, B. Polymorphisms in the Von Hippel-Lindau Gene Are Associated With Overall Survival in Metastatic Clear-Cell Renal-Cell Carcinoma Patients Treated With VEGFR Tyrosine Kinase Inhibitors. *Clin Genitourin Cancer* (2018). doi:10.1016/j.clgc.2018.01.013
3. Verbiest, A., Couchy, G., **Job, S.**, Caruana, L., Lerut, E., Oyen, R., **de Reyniès, A.**, Tosco, L., Joniau, S., Van Poppel, H., Van Raemdonck, D., Van Den Eynde, K., Wozniak, A., Zucman-Rossi, J. & Beuselinck, B. Molecular Subtypes of Clear-cell Renal Cell Carcinoma are Prognostic for Outcome After Complete Metastasectomy. *European Urology*. (2018). doi:10.1016/j.eururo.2018.01.042
4. Verbiest, A., Couchy, G., **Job, S.**, Zucman-Rossi, J., Caruana, L., Lerut, E., Oyen, R., **de Reyniès, A.**, Laguerre, B., Rioux-Leclercq, N., Wozniak, A., Joniau, S., Van Poppel, H., Van Den Eynde, K. & Beuselinck, B. Molecular Subtypes of Clear Cell Renal Cell Carcinoma Are Associated With Outcome During Pazopanib Therapy in the Metastatic Setting. *Clin Genitourin Cancer* 16, e605–e612 (2018).
5. Uchuya-Castillo, J., Aznar, N., Frau, C., Martinez, P., Le Nevé, C., **Marisa, L.**, Penalva, L. O. F., Laurent-Puig, P., Puisieux, A., Scoazec, J.-Y., Samarut, J., Ansieau, S. & Plateroti, M. Increased expression of the thyroid hormone nuclear receptor TRα1 characterizes intestinal tumors with high Wnt activity. *Oncotarget* 9, 30979–30996 (2018).
6. Tonon, L., Fromont, G., Boyault, S., **Thomas, E.**, Ferrari, A., Sertier, A.-S., Kielbassa, J., Le Texier, V., **Kamoun, A.**, **Elarouci, N.**, Irani, J., Multigner, L., Gut, I. G., Gut, M., Blanchet, P., **de Reyniès, A.**, Cancel-Tassin, G., Viari, A. & Cussenot, O.

- Mutational Profile of Aggressive, Localised Prostate Cancer from African Caribbean Men Versus European Ancestry Men. [European Urology](#). (2018). doi:10.1016/j.eururo.2018.08.026
7. Rosenberg, S., Ducray, F., Alentorn, A., Dehais, C., **Elarouci, N., Kamoun, A.**, Marie, Y., Tanguy, M.-L., **De Reynies, A.**, Mokhtari, K., Figarella-Branger, D., Delattre, J.-Y., Idbaih, A. & POLA Network. Machine Learning for Better Prognostic Stratification and Driver Gene Identification Using Somatic Copy Number Variations in Anaplastic Oligodendroglioma. [Oncologist](#) (2018). doi:10.1634/theoncologist.2017-0495
 8. Lenglet, M., Robriquet, F., Schwarz, K., Camps, C., Couturier, A., Hoogewijs, D., Buffet, A., Knight, S. J. L., Gad, S., Couvé, S., Chesnel, F., Pacault, M., Lindenbaum, P., **Job, S.**, Dumont, S., Besnard, T., Cornec, M., Dreau, H., Pentony, M., Kvikstad, E., <...> Gimenez-Roqueplo, A.-P., Cario, H. & Gardie, B. Identification of a new VHL exon and complex splicing alterations in familial erythrocytosis or von Hippel-Lindau disease. [Blood](#) 132, 469–483 (2018).
 9. George, J., Walter, V., Peifer, M., Alexandrov, L. B., Seidel, D., Leenders, F., Maas, L., Müller, C., Dahmen, I., Delhomme, T. M., Ardin, M., Leblay, N., Byrnes, G., Sun, R., **De Reynies, A.**, McLeer-Florin, A., Bosco, G., Malchers, F., Menon, R., Altmüller, <...>, Brambilla, E., Fernandez-Cuesta, L. & Thomas, R. K. Integrative genomic profiling of large-cell neuroendocrine carcinomas reveals distinct subtypes of high-grade neuroendocrine lung tumors. [Nature Communications](#) 9, 1048 (2018).
 10. Bokhari, A., **Jonchere, V.**, Lagrange, A., Bertrand, R., Svrcek, M., **Marisa, L.**, Buhard, O., Greene, M., Demidova, A., Jia, J., Adriaenssens, E., Chassat, T., Biard, D. S., Flejou, J.-F., Lejeune, F., Duval, A. & Collura, A. Targeting nonsense-mediated mRNA decay in colorectal cancers with microsatellite instability. [Oncogenesis](#) 7, 70 (2018).
 11. Beuselinck, B., Verbiest, A., Couchy, G., **Job, S., de Reynies, A.**, Meiller, C., Albersen, M., Verkarre, V., Lerut, E., Méjean, A., Patard, J.-J., Laguerre, B., Rioux-Leclercq, N., Schöffski, P., Oudard, S. & Zucman-Rossi, J. Pro-angiogenic gene expression is associated with better outcome on sunitinib in metastatic clear-cell renal cell carcinoma. [Acta Oncol](#) 57, 498–508 (2018).
 12. Balbinot, C., Armant, O., **Elarouci, N., Marisa, L.**, Martin, E., De Clara, E., Onea, A., Deschamps, J., Beck, F., Freund, J.-N. & Duluc, I. The Cdx2 homeobox gene suppresses intestinal tumorigenesis through non-cell-autonomous mechanisms. [J. Exp. Med.](#) 215, 911–926 (2018).
 13. Javelaud, D., **de Reyniès, A.**, Mauviel, A.. How Bad Is the Hedgehog? GLI-Dependent, Hedgehog-Independent Cancers on the Importance of Biomarkers for Proper Patients Selection. [J Investig Dermatol Symp Proc](#). 2018 Dec;19(2):S87-S88.

III. Articles soumis pour publication avec premier auteur CIT

1. **Petitprez F, de Reyniès A**, Keung EZ, Chen TW, Sun CM, Calderaro J, Jeng YM, Hsiao LP, Lacroix L, Lacroix G, Nataro I, Adam J, Lucchesi C, Laizet Y, Toulmonde M, Burgess MA, Bolejack V, Reinke D, Wani KM, Lazar AJ, Roland CL, Wargo JA, Italiano A, Sautès-Fridman C, Tawbi HA and Fridman WH. B cell signatures are associated with improved sarcoma survival and immunotherapy response. Submitted to [Nature](#).
2. **Kamoun A, de Reyniès A**, Allory Y, Sjödal G, Robertson AG, Seiler R, Hoadley KA, Al-Ahmadie H, Choi W, Groeneveld C, Castro MAA, Fontugne J, Eriksson P, Mo Q, Zlotta A, Hartmann A, Dinney CP, Bellmunt J, Powles T, Malats N, Chan KS, Kim WY, McConkey DJ, Black P, Dyrskjøt L, Höglund M, Lerner SP, Real FX, Radvanyi F, The Bladder Cancer Molecular Taxonomy Group. The consensus molecular classification of muscle-invasive bladder cancer. Submitted to [Nature Medicine](#).
3. **Blum B**, Meiller C, Quétel L, **Elarouci N, Ayadi M**, Tashtanbaeva D, **Armenoult L**, Montagne F, Tranchant R, Renier A, de Koning L, Copin MC, Hofman P, Hofman V, Porte H, Le Pimpec-Barthes F, Zucman-Rossi J, Jaurand MC, **de Reyniès A**, Jean D. Dissecting heterogeneity in malignant pleural mesothelioma through histo-molecular gradients for clinical applications. Submitted to [Nature Communications](#).
4. **Nicolle R, Mira M**, Gomez-Brouchet A, **Armenoult L, Banneau G, Elarouci N**, Tallegas M, Decouvelaere AV, Aubert S, Rédini F, Marie B, Labit-Bouvier C, Reina N, Karanian M, Le Nail LR, Anract P, Gouin F, Larousserie F, **de Reyniès A**, de Pinieux G. Integrated molecular characterization reveals critical determinants of chondrosarcoma progression. Submitted to [Nature Medicine](#).
5. **de Reyniès A**, Javelaud D, **Elarouci N**, Marsaud V, Gilbert C, **Mauviel A**. Near-systematic failure of Hedgehog therapeutic targeting explained by large-scale pan-cancer gene expression analysis. Submitted to [Clinical Cancer Research](#).
6. **Job S**, Rapoud D, Dos Santos A, Gonzalez P, Desterke C, Pascal G, **Elarouci N, Ayadi M**, Adam R, Azoulay D, Castaing D, Vibert E, Cherqui D, Samuel D, Sa Cuhna A, Guettier C, **de Reyniès A**, Faivre J. Identification of T cell-inflamed and non-T cell-inflamed intrahepatic cholangiocarcinomas. Submitted to [Gastroenterology](#).