

## PUBLICATIONS 2020 SBE – Gustave Roussy

### SERVICE DE BIOSTATISTIQUE ET D'EPIDEMIOLOGIE

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### BIOSTATISTICS AND EPIDEMIOLOGY DEPARTMENT

1. Mosele, F ; Remon, J ; Mateo, J ; Westphalen, CB ; Barlesi, F ; Lolkema, MP ; Normanno, N ; Scarpa, A ; Robson, M ; Meric-Bernstam, F ; Wagle, N ; Stenzinger, A ; **Bonastre, J** ; Bayle, A ; **Michiels, S** ; Bièche, I ; Rouleau, E ; Jezdic, S ; Douillard, J-Y ; Reis-Filho, JS ; Dienstmann, R ; André, F. Recommendations for the use of next-generation sequencing (NGS) for patients with metastatic cancers: a report from the ESMO Precision Medicine Working Group. *Annals of Oncology*. 2020. S0923-7534(20)39971-3.  
doi: 10.1016/j.annonc.2020.07.014. Online ahead of print.  
PubMed PMID: 32853681
2. Téhard, B ; Detournay, B ; **Borget, I** ; Roze, S ; De Pouvourville, G. Value of a QALY for France: A New Approach to Propose Acceptable Reference Values. *Value in Health*. 2020. 23(8):985-993. doi: 10.1016/j.jval.2020.04.001.  
Epub 2020 May 30. PubMed PMID: 32828226
3. Silvin, A ; Chapuis, N ; Dunsmore, G ; Goubet, AG ; Dubuisson, A ; Derosa, L ; Almire, C ; Hénon, C ; Kosmider, O ; Droin, N ; Rameau, P ; Catelain, C ; Alfaro, A ; Dussiau, C ; Friedrich, C ; Sourdeau, E ; Marin, N ; Szwebel, T-A ; Cantin, D ; Mouthon, L ; Borderie, D ; Deloger, M ; Bredel, D ; Mouraud, S ; **Drubay, D** ; Andrieu, M ; Lhonneur, A-S ; Saada, V ; Stoclin, A ; Willekens, C ; Pommeret, F ; Griscelli, F ; Ng, LG ; Zhang, Z ; Bost, P ; Amit, I ; Barlesi, F ; Marabelle, A ; Pène, F ; Gachot, B ; André, F ; Zitvogel, L ; Ginhoux, F ; Fontenay, M ; Solary, E. Elevated Calprotectin and Abnormal Myeloid Cell Subsets Discriminate Severe from Mild COVID-19. *Cell*. 2020. 182(6):1401-1418.e18. doi: 10.1016/j.cell.2020.08.002. Epub 2020 Aug 5.  
PubMed PMID: 32810439
4. Simonin, M ; **Auperin, A** ; Bertrand, Y ; Aladjidi, N ; Baruchel, A ; Contet, A ; Coze, C ; Gandemer, V ; Haouy, S ; Leblanc, T ; Leverger, G ; Michon, J ; Patte, C ; Minard-Colin, V. In childhood mature B-NHL with CNS disease, patients with blasts in cerebrospinal fluid are at higher risk of failure. *Blood advances*. 2020. 4(15):3621-3625. doi: 10.1182/bloodadvances.2019001398.  
PubMed PMID : 32766852
5. Coquerelle, S ; Darlington, M ; Michel, M ; Durand, M ; **Borget, I** ; Baffert, S ; Marino, P ; Perrier, L ; Durand-Zaleski, I ; NGSEco Group. Impact of Next Generation Sequencing on Clinical Practice in Oncology in France: Better Genetic Profiles for Patients Improve Access to Experimental Treatments.

Value in Health. 2020. 23(7):898-906. doi: 10.1016/j.jval.2020.03.005.  
Epub 2020 Jul 18. PubMed PMID : 32762992.

6. Blanc-Durand, F ; Lefeuvre-Plesse, C ; Ray-Coquard, I ; **Chaltiel, D** ; Floquet, A ; Meriaux, É ; Berton, D ; Bello-Roufai, D ; Guillemet, C ; Dupre, P-F ; Faller, É ; Alexandre, J ; Hardy-Bressard, A-C ; Collard, O ; Fabbro, M ; Provansal, M ; Kalbacher, E ; Genestie, C ; Pautier, P. Dose-intensive regimen treatment for small-cell carcinoma of the ovary of hypercalcemic type (SCCOHT). Gynecologic oncology. 2020. S0090-8258(20)33654-4.  
doi: 10.1016/j.ygyno.2020.07.019. Online ahead of print.  
PubMed PMID : 32723678
7. Goéré, D ; Glehen, O ; Quenet, F ; Guilloit, JM ; Bereder, JM ; Lorimier, G ; Thibaudeau, E ; Ghouti, L ; Pinto, A ; Tuech, J-J ; Kianmanesh, R ; Carretier, M ; Marchal, F ; Arvieux, C ; Brigand, C ; Meeus, P ; Rat, P ; Durand-Fontanier, S ; Mariani, P ; Lakkis, Z ; Loi, V ; Pirro, N ; Sabbagh, C ; **Texier, M**, Elias, D ; BIG-RENAPE group. Second-look surgery plus hyperthermic intraperitoneal chemotherapy versus surveillance in patients at high risk of developing colorectal peritoneal metastases (PROPHYLOCHIP-PRODIGE 15): a randomised, phase 3 study. The Lancet Oncology. 2020. 21(9):1147-1154.  
doi: 10.1016/S1470-2045(20)30322-3. Epub 2020 Jul 24.  
PubMed PMID : 32717180
8. de Gabory, L ; Boudard, P ; Bessède, JP ; **Maillard, A** ; Lacomme, S ; Gontier, E ; Durand, M ; Fricain, J-C ; Bénard, A ; Bordenave, L. Multicenter Pilot Study to Assess a Biphasic Calcium Phosphate Implant for Functional and Aesthetic Septorhinoplasty. Facial plastic surgery & aesthetic medicine. 2020.  
21(9):1147-1154. doi: 10.1016/S1470-2045(20)30322-3. Epub 2020 Jul 24.  
PubMed PMID : 32700976
9. Ramos, HE ; Hecht, F ; Berdelou, A ; **Borget, I** ; Leboulleux, S ; Baudin, E ; Schlumberger, M. Long-term follow-up and safety of vandetanib for advanced medullary thyroid cancer. Endocrine. 2020. doi: 10.1007/s12020-020-02426-x.  
Online ahead of print. PubMed PMID : 32691271
10. Pinto, S ; Fresneau, B ; Hounsoosou, HC ; Mayet, A ; Marchi, J ; Pein, F ; Journy, N ; Mansouri, I ; **Drubay, D** ; Letort, V ; Lemler, S ; Demoor-Goldschmidt, C ; Jackson, A ; Souchard, V ; Vu-Bezin, G ; Diallo, I ; Rubino, C ; Oberlin, O ; Haddy, N ; de Vathaire, F ; Dumas, A ; S Allodji, R. Identifying clusters of health risk behaviors and their predictors in adult survivors of childhood cancer: A report from the French Childhood Cancer Survivor Study. Psychooncology. 2020. doi: 10.1002/pon.5470. Online ahead of print.  
PubMed PMID : 32658375.
11. **Salviat, F** ; Guedj, M ; Bodaghi, B ; Sahel, JA ; Tubach, F ; Dechartres, A. Quality of Evidence in Ophthalmology: An Overview of Cochrane Reviews. Ophthalmology. 2020. S0161-6420(20)30636-9.  
doi: 10.1016/j.ophtha.2020.07.003. Online ahead of print.

PubMed PMID : 32652204

12. Del Baldo, G ; **Abbas, R** ; Woessmann, W ; Horibe, K ; Pillon, M ; Burke, A ; Beishuizen, A ; Rigaud, C ; **Le Deley, M-C** ; Lamant, L ; Brugières, L. Neuro-meningeal relapse in anaplastic large-cell lymphoma: incidence, risk factors and prognosis - a report from the European intergroup for childhood non-Hodgkin lymphoma. *British Journal of Haematology*. 2020.  
doi: 10.1111/bjh.16755. Online ahead of print. PubMed PMID : 32648260
13. **Abbas, R** ; **Rossoni, C** ; Jaki, T ; **Paoletti, X** ; Mozgunov, P. A comparison of phase I dose-finding designs in clinical trials with monotonicity assumption violation. *Clinical Trials*. 2020. 1740774520932130.  
doi: 10.1177/1740774520932130. Online ahead of print.  
PubMed PMID : 32631095
14. **Belhechmi, S** ; Bin, R ; **Rotolo, F** ; **Michiels, S**. Accounting for grouped predictor variables or pathways in high-dimensional penalized Cox regression models. *BMC Bioinformatics*. 2020. 21(1):277.  
doi: 10.1186/s12859-020-03618-y. PubMed PMID : 32615919
15. Pistilli, B ; Paci, A ; Ferreira, AR ; Di Meglio, A ; Poinsignon, V ; **Bardet, A** ; Menvielle, G ; Dumas, A ; Pinto, S ; Dauchy, S ; Fasse, L ; H Cottu, P ; Lerebours, F ; Coutant, C ; Lesur, A ; Tredan, O ; Soulie, P ; Vanlemmehens, L ; Jouannaud, C ; Levy, C ; Everhard, S ; Arveux, P ; Martin, AL ; Dima, A ; Lin, NU ; Partridge, AH ; Delaloge, S ; **Michiels, S** ; André, F ; Ines, V-L. Serum Detection of Nonadherence to Adjuvant Tamoxifen and Breast Cancer Recurrence Risk. *Journal of clinical oncology*. 2020. 38(24):2762-2772.  
doi: 10.1200/JCO.19.01758. Epub 2020 Jun 22. PubMed PMID : 32568632
16. **Kandel, M** ; **Dunant, A** ; Balleyguier, C ; **Bonastre, J**. Cost-effectiveness of preoperative magnetic resonance imaging to optimize surgery in ductal carcinoma in situ of the breast. *European journal of radiology*. 2020. 129:109058. doi: 10.1016/j.ejrad.2020.109058. Epub 2020 May 11.  
PubMed PMID : 32563960
17. **Salviat, F** ; Gauthier-Villars, M ; Carton, M ; Cassoux, N ; Lumbroso-Le Rouic, L ; Dehainault, C ; Levy, C ; Golmard, L ; Aerts, I ; Doz, F ; Bonnet-Serrano, F ; Hayek, S ; Savignoni, A ; Stoppa-Lyonnet, D ; Houdayer, C. Association Between Genotype and Phenotype in Consecutive Unrelated Individuals With Retinoblastoma. *JAMA ophthalmology*. 2020. 138(8):843-850.  
doi: 10.1001/jamaophthalmol.2020.2100. PubMed PMID : 32556071
18. Mozgunov, P ; Jaki, T ; **Paoletti, X** ; Using a dose-finding benchmark to quantify the loss incurred by dichotomization in Phase II dose-ranging studies. *Biometrical journal*. 2020. doi: 10.1002/bimj.201900332. Online ahead of print.  
PubMed PMID : 32529689

19. Minard-Colin, V ; Aupérin, A ; Pillon, M ; Burke, GAA ; Barkauskas, DA ; Wheatley, K ; Delgado, RF ; Alexander, S ; Uyttebroeck, A ; Bollard, CM ; Zsiros, J ; Csoka, M ; Kazanowska, B ; Chiang, AK ; Miles, RR ; Wotherspoon, A ; Adamson, P ; Vassal, G ; Patte, C ; Gross, TG ; European Intergroup for Childhood Non-Hodgkin Lymphoma; Children's Oncology Group. Rituximab for High-Risk, Mature B-Cell Non-Hodgkin's Lymphoma in Children. *The New England Journal of Medicine*. 2020. 382(23):2207-2219.  
doi: 10.1056/NEJMoa1915315. PubMed PMID : 32492302 (Co-first author)
20. Pirot, F ; Chaltiel, D ; Ouldamer, L ; Touboul, C ; Raimond, E ; Carcopino, X ; Daraï, E ; Bendifallah, S. Patterns of first recurrence and outcomes in surgically treated women with vulvar cancer: results from FRANCOGYN study group. *Journal of Gynecology Obstetrics and Human Reproduction*. 2020. 101775.  
doi: 10.1016/j.jogoh.2020.101775. Online ahead of print.  
PubMed PMID : 32438137
21. Hudeček, J ; Voorwerk, L ; van Seijen, M ; Nederlof, I ; de Maaker, M ; van den Berg, J ; Van de Vijver, KK ; Sikorska, K ; Adams, S ; Demaria, S ; Viale, G ; Nielsen, TO ; Badve, SS ; Michiels, S ; Symmans, WF ; Sotiriou, C ; Rimm, DL ; Hewitt, SM ; Denkert, C ; Loibl, S ; Loi, S ; Bartlett, JMS ; Pruneri, G ; Dillon, DA ; Cheang, MCU ; Tutt, A ; Hall, JA ; Kos, Z ; Salgado, R ; Kok, M ; Horlings, HM ; International Immuno-Oncology Biomarker Working Group. Application of a risk-management framework for integration of stromal tumor-infiltrating lymphocytes in clinical trials. *NPJ Breast Cancer*. 2020.  
PubMed PMID : 32436923
22. de Tersant M, Généré L, Freyçon C, Villebasse S, Abbas R, Barlier A, Bodet D, Corradini N, Defachelles AS, Entz-Werle N, Fouquet C, Galmiche L, Gandemer V, Lacour B, Mansuy L, Orbach D, Pluchart C, Réguerre Y, Rigaud C, Sarnacki S, Sirvent N, Stephan JL, Thebaud E, Gimenez-Roqueplo AP, Brugières L. Pheochromocytoma and Paraganglioma in Children and Adolescents: Experience of the French Society of Pediatric Oncology (SFCE). *Journal of the Endocrine Society*. 2020. 4(5):bva039.  
doi: 10.1210/jendso/bva039. eCollection 2020 May 1.  
PubMed PMID : 32432211
23. Salameh, C ; Salviat, F ; Bessot, E ; Lama, M ; Chassot, JM ; Moulougui, E . Wang, Y ; Robin, M ; Bardouil, A ; Selmane, M ; Artzner, F ; Marcellan, A ; Sanchez, C ; Giraud-Guille, M-M ; Faustini, M ; Carminati, R ; Nassif, N. Origin of transparency in scattering biomimetic collagen materials. *Proceedings of the National Academy of Sciences of the United States of America*. 2020. 117(22):11947-11953. doi: 10.1073/ pnas.2001178117. Epub 2020 May 18.  
PubMed PMID : 32424103
24. Tao Y, Auperin A, Blanchard P, Alfonsi M, Sun XS, Rives M, Pointreau Y, Castelli J, Graff P, Wong Hee Kam S, Thariat J, Veresezan O, Heymann S, Renard-Oldrini S, Lafond C, Cornely A, Casiraghi O, Boisselier P, Lapeyre M, Biau J, Bourhis J. Concurrent cisplatin and dose escalation with intensity-

modulated radiotherapy (IMRT) versus conventional radiotherapy for locally advanced head and neck squamous cell carcinomas (HNSCC): GORTEC 2004-01 randomized phase III trial. Radiotherapy and oncology. 2020.

150:18-25. doi: 10.1016/j.radonc.2020.05.021. Online ahead of print.

PubMed PMID : 32417348

25. Kos Z, **Roblin E**, Kim RS, **Michiels S**, Gallas BD, Chen W, van de Vijver KK, Goel S, Adams S, Demaria S, Viale G, Nielsen TO, Badve SS, Symmans WF, Sotiriou C, Rimm DL, Hewitt S, Denkert C, Loibl S, Luen SJ, Bartlett JMS, Savas P, Pruner G, Dillon DA, Cheang MCU, Tutt A, Hall JA, Kok M, Horlings HM, Madabhushi A, van der Laak J, Ciompi F, Laenholm AV, Bellolio E, Gruoso T, Fox SB, Araya JC, Floris G, Hudeček J, Voorwerk L, Beck AH, Kerner J, Larsimont D, Declercq S, Van den Eynden G, Pusztai L, Ehinger A, Yang W, AbdulJabbar K, Yuan Y, Singh R, Hiley C, Bakir MA, Lazar AJ, Naber S, Wienert S, Castillo M, Curigliano G, Dieci MV, André F, Swanton C, Reis-Filho J, Sparano J, Balslev E, Chen IC, Stovgaard EIS, Pogue-Geile K, Blenman KRM, Penault-Llorca F, Schnitt S, Lakhani SR, Vincent-Salomon A, Rojo F, Braybrooke JP, Hanna MG, Soler-Monsó MT, Bethmann D, Castaneda CA, Willard-Gallo K, Sharma A, Lien HC, Fineberg S, Thagaard J, Comerma L, Gonzalez-Ericsson P, Brogi E, Loi S, Saltz J, Klaushen F, Cooper L, Amgad M, Moore DA, Salgado R; International Immuno-Oncology Biomarker Working Group. Pitfalls in assessing stromal tumor infiltrating lymphocytes (sTILs) in breast cancer. NPJ Breast Cancer. 2020. 6:17.  
doi: 10.1038/s41523-020-0156-0. eCollection 2020. PubMed PMID : 32411819
26. Amgad M, Stovgaard ES, Balslev E, Thagaard J, Chen W, Dudgeon S, Sharma A, Kerner JK, Denkert C, Yuan Y, AbdulJabbar K, Wienert S, Savas P, Voorwerk L, Beck AH, Madabhushi A, Hartman J, Sebastian MM, Horlings HM, Hudeček J, Ciompi F, Moore DA, Singh R, **Roblin E**, Balancin ML, Mathieu MC, Lennerz JK, Kirtani P, Chen IC, Braybrooke JP, Pruner G, Demaria S, Adams S, Schnitt SJ, Lakhani SR, Rojo F, Comerma L, Badve SS, Khojasteh M, Symmans WF, Sotiriou C, Gonzalez-Ericsson P, Pogue-Geile KL, Kim RS, Rimm DL, Viale G, Hewitt SM, Bartlett JMS, Penault-Llorca F, Goel S, Lien HC, Loibl S, Kos Z, Loi S, Hanna MG, **Michiels S**, Kok M, Nielsen TO, Lazar AJ, Bago-Horvath Z, Kooreman LFS, van der Laak JAWM, Saltz J, Gallas BD, Kurkure U, Barnes M, Salgado R, Cooper LAD; International Immuno-Oncology Biomarker Working Group. Report on computational assessment of Tumor Infiltrating Lymphocytes from the International Immuno-Oncology Biomarker Working Group. NPJ Breast Cancer. 2020 May 12;6:16.  
doi: 10.1038/s41523-020-0154-2. eCollection 2020. PubMed PMID : 32411818
27. Facchinetti F, Lacroix L, Mezquita L, Scoazec JY, Loriot Y, Tselikas L, Gazzah A, Rouleau E, Adam J, **Michiels S**, Massard C, André F, Olaussen KA, Vassal G, Howarth K, Besse B, Soria JC, Friboulet L, Planchard D. Molecular mechanisms of resistance to BRAF and MEK inhibitors in BRAF V600E non-small cell lung cancer. European Journal of Cancer. 2020. 132:211-223.  
doi: 10.1016/j.ejca.2020.03.025. Epub 2020 May 6. PubMed PMID: 32388065

28. Di Meglio A, **Michiels S**, Jones LW, El-Mouhebb M, Ferreira AR, Martin E, Matias M, Lohmann AE, Joly F, Vanleemmen L, Everhard S, Martin AL, Lemonnier J, Arveux P, Cottu PH, Coutant C, Del Mastro L, Partridge AH, André F, Ligibel JA, Vaz-Luis I. Changes in weight, physical and psychosocial patient-reported outcomes among obese women receiving treatment for early-stage breast cancer: A nationwide clinical study. *Breast*. 2020; 52:23-32. doi: 10.1016/j.breast.2020.04.002. Epub 2020 Apr 11. PubMed PMID : 32344296
29. **Legoupil C**, Debieve D, Marabelle A, **Michiels S**, **Kapso R**, Besse B, **Bonastre J**. A microsimulation model to assess the economic impact of immunotherapy in non-small cell lung cancer. *ERJ open research*. 2020; 6(2):00174-2019. doi: 10.1183/23120541.00174-2019. eCollection 2020 Apr. PubMed PMID : 32337213
30. Thivilliers AP, Ladarré R, Merabti O, François C, Fontenay S, van den Brink H, Pineau J, Prognon P, **Borget I**, Martelli N. The learning curve in transcatheter aortic valve implantation clinical studies: A systematic review. *International journal of technology assessment in health care*. 2020; 36(2):152-161. doi: 10.1017/S0266462320000100. Epub 2020 Apr 21. PubMed PMID : 32312339
31. Bonnet F, Bénard A, Poulizac P, Afonso M, **Maillard A**, Salvo F, Berdaï D, Salles N, Rousselot N, Marchi S, Hayes N, Joseph JP. Discontinuing statins or not in the elderly? Study protocol for a randomized controlled trial. *Trials*. 2020; 21(1):342. doi: 10.1186/s13063-020-04259-5. PubMed PMID : 32307005
32. Guerrini-Rousseau L, **Abbas R**, Huybrechts S, Kieffer-Renaux V, Puget S, Andreiuolo F, Beccaria K, Blauwblomme T, Bolle S, Dhermain F, Longaud A, Roujeau T, Sainte-Rose C, Tauziede-Esperiat A, Varlet P, Zerah M, Valteau-Couanet D, Dufour C, Grill J. Role of neoadjuvant chemotherapy in metastatic medulloblastoma: a comparative study in 92 children. *Neuro-oncology*. 2020; noaa083. doi: 10.1093/neuonc/noaa083. Online ahead of print. PubMed PMID : 32267940.
33. Ouzegdou Mammasse, Y ; Chenet, C ; **Drubay, D** ; Martageix, C ; Cartron, JP ; Vainchenker, W ; Petermann R. A new efficient tool for non-invasive diagnosis of fetomaternal platelet antigen incompatibility. *British Journal of Haematology*. 2020; 190(5):787-798. doi: 10.1111/bjh.16593. Epub 2020 Apr 7. PubMed PMID : 32266719.
34. **Aupérin, A**. Epidemiology of head and neck cancers: an update. *Current Opinion in Oncology*. 2020; 32(3):178-186. doi: 10.1097/CCO.0000000000000629. PubMed PMID : 32209823

35. Atallah S, Casiraghi O, Fakhry N, Wassef M, Uro-Coste E, Espitalier F, Sudaka A, Kaminsky MC, Dakpe S, Digue L, Bouchain O, Morinière S, Hourseau M, Bertolus C, Jegoux F, Thariat J, Calugaru V, Schultz P, Philouze P, Mauvais O, Righini CA, Badoual C, Saroul N, Goujon JM, Marie JP, Taouachi R, Brenet E, **Aupérin A**, Baujat B. A prospective multicentre REFCOR study of 470 cases of head and neck Adenoid cystic carcinoma: epidemiology and prognostic factors. European Journal of Cancer. 2020; 130:241-249. doi: 10.1016/j.ejca.2020.01.023. Epub 2020 Mar 11. PubMed PMID : 32171628
36. Lamartina L, Godbert Y, Nascimento C, Do Cao C, Hescot S, **Borget I**, Al Ghuzlan A, Hartl D, Hadoux J, Pottier E, Attard M, Berdelou A, Terroir M, Baudin E, Schlumberger M, Leboulleux S; with the support of the TUTHYREF network. Locally unresectable differentiated thyroid cancer: outcomes and perspectives. Endocrine. 2020; 69(1):133-141. doi: 10.1007/s12020-020-02245-0. Epub 2020 Mar 8. PubMed PMID : 32147774
37. Gonzalez-Ericsson PI, Stovgaard ES, Sua LF, Reisenbichler E, Kos Z, Carter JM, **Michiels S**, Le Quesne J, Nielsen TO, Laenkholt AV, Fox SB, Adam J, Bartlett JM, Rimm DL, Quinn C, Peeters D, Dieci MV, Vincent-Salomon A, Cree I, Hida AI, Balko JM, Haynes HR, Frahm I, Acosta-Haab G, Balancin M, Bellolio E, Yang W, Kirtani P, Sugie T, Ehinger A, Castaneda CA, Kok M, McArthur H, Siziopikou K, Badve S, Fineberg S, Gown A, Viale G, Schnitt SJ, Pruneri G, Penault-Llorca F, Hewitt S, Thompson EA, Allison KH, Symmans WF, Bellizzi AM, Brogi E, Moore DA, Larsimont D, Dillon DA, Lazar A, Lien H, Goetz MP, Broeckx G, El Bairi K, Harbeck N, Cimino-Mathews A, Sotiriou C, Adams S, Liu SW, Loibl S, Chen IC, Lakhani SR, Juco JW, Denkert C, Blackley EF, Demaria S, Leon-Ferre R, Gluz O, Zardavas D, Emancipator K, Ely S, Loi S, Salgado R, Sanders M; International Immuno-Oncology Biomarker Working Group. The path to a better biomarker: application of a risk management framework for the implementation of PD-L1 and TILs as immuno-oncology biomarkers in breast cancer clinical trials and daily practice. The Journal of Pathology. 2020; 250(5):667-684. doi: 10.1002/path.5406. Epub 2020 Apr 9. PubMed PMID : 32129476
38. Butel T, Karanian M, Pierron G, Orbach D, Ranchere D, **Cozic N**, Galmiche L, Coulomb A, Corradini N, Lacour B, Proust S, Guerin F, Boutroux H, Rome A, Mansuy L, Vérité C, Defachelles AS, Tirode F, Minard-Colin V. Integrative clinical and biopathology analyses to understand the clinical heterogeneity of infantile rhabdomyosarcoma : A report from the French MMT committee. Cancer medicine. 2020; 9(8):2698-2709. doi: 10.1002/cam4.2713. Epub 2020 Feb 22. PubMed PMID : 32087612

39. **Drubay D**, Collette L, **Paoletti X**. Proportional odds assumption for modeling longitudinal ordinal multiple toxicity outcomes in dose finding studies of targeted agents: A pooled analysis of 54 studies. *Contemporary clinical trials communications*. 2020. 17:100529. doi: 10.1016/j.concctc.2020.100529.  
Collection 2020 Mar. PubMed PMID : 32055745
40. Boilève A, **Maillard A**, Wagner M, Dromain C, Laurent C, Dupont Bierre E, Le Sourd S, Audemar F, Ulusakarya A, Guerin-Meyer V, Smisth D, Pezzella V, De Baere T, Goere D, Gelli M, Taieb J, Boige V. Treatment intensification with hepatic arterial infusion chemotherapy in patients with liver-only colorectal metastases still unresectable after systemic induction chemotherapy - a randomized phase II study -- SULTAN UCGI 30/PRODIGE 53 (NCT03164655)-study protocol. *BMC Cancer*. 2020. 20(1):74. doi: 10.1186/s12885-020-6571-7.  
PubMed PMID : 32000724
41. Pirot F, **Chaltiel D**, Ben Lakhdar A, Mathieu MC, Rimareix F, Conversano A. Squamous cell carcinoma of the breast, are there two entities with distinct prognosis? A series of 39 patients. *Breast Cancer Research and Treatment*. 2020. 180(1):87-95. doi: 10.1007/s10549-020-05525-5. Epub 2020 Jan22.  
PubMed PMID : 31970558
42. Schweitzer C, Brezin A, Cochener B, Monnet D, Germain C, Roseng S, Sitta R, **Maillard A**, Hayes N, Denis P, Pisella PJ, Benard A; FEMCAT study group. Femtosecond laser-assisted versus phacoemulsification cataract surgery (FEMCAT): a multicentre participant-masked randomised superiority and cost-effectiveness trial. *Lancet*. 2020. 395(10219):212-224.  
doi: 10.1016/S0140-6736(19)32481-X. PubMed PMID : 31954466
43. **Paoletti X**, Lewisley LA, Daniele G, Cook A, Yanaihara N, Tinker A, Kristensen G, Ottevanger PB, Aravantinos G, Miller A, Boere IA, Fruscio R, Reyners AKL, Pujade-Lauraine E, Harkin A, Pignata S, Kagimura T, Welch S, Paul J, **Karamouza E**, Glasspool RM; Gynecologic Cancer InterGroup (GCIG) Meta-analysis Committee. Assessment of Progression-Free Survival as a Surrogate End Point of Overall Survival in First-Line Treatment of Ovarian Cancer : A Systematic Review and Meta-analysis. *JAMA network open*. 2020. 3(1):e1918939. doi: 10.1001/jamanetworkopen.2019.18939.  
PubMed PMID : 31922558
44. Jha P, **Hill C**, Wu DCN, Peto R. Cigarette prices, smuggling, and deaths in France and Canada. *Lancet* 2020. 395(10217):27-28.  
doi: 10.1016/S0140-6736(19)31291-7. PubMed PMID : 31908274

45. Sonnenblick A, Salmon-Divon M, Salgado R, Dvash E, Pondé N, Zahavi T, Salmon A, Loibl S, Denkert C, Joensuu H, Ameye L, Van den Eynden G, Kellokumpu-Lehtinen PL, Azaria A, Loi S, **Michiels S**, Richard F, Sotiriou C. Reactive stroma and trastuzumab resistance in HER2-positive early breast cancer. *International journal of cancer.* 2020. 147(1):266-276.  
doi: 10.1002/ijc.32859. Epub 2020 Jan 22. PubMed PMID : 31904863
46. Rodrigues M, Ait Rais K, **Salviat F**, Algret N, Simaga F, Barnhill R, Gardrat S, Servois V, Mariani P, Piperno-Neumann S, Roman-Roman S, Delattre O, Cassoux N, Savignoni A, Stern MH, Pierron G. Association of Partial Chromosome 3 Deletion in Uveal Melanomas With Metastasis-Free Survival. *JAMA Ophthalmology.* 2020. 138(2):182-188.  
doi: 10.1001/jamaophthalmol.2019.5403. PubMed PMID : 31895446
47. Bourgoin C, Pourtau L, Mazouni C, Bungener M, **Bonastre J**. Imperfect biomarkers for adjuvant chemotherapy in early stage breast cancer with good prognosis. *Social science & medicine.* 2020. 246:112735.  
doi: 10.1016/j.socscimed.2019.112735. Epub 2019 Dec 14.  
PubMed PMID : 31869667
48. Laine JE, Baltar VT, Stringhini S, Gandini M, Chadeau-Hyam M, Kivimaki M, Severi G, Perduca V, Hodge AM, Dugué PA, Giles GG, Milne RL, Barros H, Sacerdote C, Krogh V, Panico S, Tumino R, Goldberg M, Zins M, Delpierre C; **LIFEPATH Consortium**, Vineis P. Reducing socio-economic inequalities in all-cause mortality: a counterfactual mediation approach. *International Journal of Epidemiology.* 2020. 49(2):497-510. doi: 10.1093/ije/dyz248.  
PubMed PMID : 31855265
49. Meddis A, Latouche A, Zhou B, **Michiels S**, Fine J. Meta-analysis of clinical trials with competing time-to-event endpoints. *Biometrical Journal.* 2020. 62(3):712-723. doi: 10.1002/bimj.201900103. Epub 2019 Dec 9.  
PubMed PMID : 31815321 (Co-last author)
50. Enrico D, Paci A, Chaput N, **Karamouza E**, Besse B. Antidrug Antibodies Against Immune Checkpoint Blockers: Impairment of Drug Efficacy or Indication of Immune Activation? *Clinical Cancer Research.* 2020. 26(4):787-792.  
doi: 10.1158/1078-0432.CCR-19-2337. Epub 2019 Nov 22.  
PubMed PMID : 31757876
51. Petrovic D, Haba-Rubio J, de Mestral Vargas C, Kelly-Irving M, Vineis P, Kivimäki M, Nyberg S, Gandini M, Bochud M, Vollenweider P, d'Errico A, Barros H, Fraga S, Goldberg M, Zins M, Steptoe A, Delpierre C, Heinzer R, Carmeli C, Chadeau-Hyam M, Stringhini S; **Lifepath Consortium**. The contribution of sleep to social inequalities in cardiovascular disorders: a multi-cohort study. *Cardiovascular research.* 2020. 116(8):1514-1524. doi: 10.1093/cvr/cvz267.  
PubMed PMID : 31754700

52. **Dauzier E, Lacas B, Blanchard P, Aupérin A, Pignon JP.** Response to R. Jayaraj. Oral Oncology. 2020. 102:104439.  
doi: 10.1016/j.oraloncology.2019.104439. Epub 2019 Nov 2.  
PubMed PMID : 31685291
53. **Kandel M, Dalle S, Bardet A, Allayous C, Mortier L, Dutriaux C, Guillot B, Leccia MT, Dalac S, Legoupil D, Saiag P, Montaudie H, Arnault JP, Brunet-Possenti F, Grob JJ, DeQuatrebarbes J, Beylot-Barry M, Lesimple T, Aubin F, Maubec E, Granel-Brocard F, Stoebner PE, Dupuy A, Dreno B, Michiels S, Lebbe C, Borget I.** Quality-of-life assessment in French patients with metastatic melanoma in real life. Cancer. 2020. 126(3):611-618. doi: 10.1002/cncr.32554.  
Epub 2019 Oct 22. PubMed PMID : 31639198
54. Carene D, Tran-Dien A, Lemonnier J, Dalenc F, Levy C, Pierga JY, Jacot W, Canon JL, Richon C, Lacroix L, Caux C, André F, **Michiels S.** Association between FGFR1 copy numbers, MAP3K1 mutations, and survival in axillary node-positive, hormone receptor-positive, and HER2-negative early breast cancer in the PACS04 and METABRIC studies. Breast Cancer Research and Treatment. 2020. 179(2):387-401. doi: 10.1007/s10549-019-05462-y.  
Epub 2019 Oct 16. PubMed PMID : 31620934
55. **Le Teuff G, Castaneda-Heredia A, Dufour C, Jaspan T, Calmon R, Devos A, McHugh K, Leblond P, Frappaz D, Aerts I, Zwaan CM, Ducassou S, Chastagner P, Verschuur A, Corradini N, Casanova M, Rubie H, Riccardi R, Le Deley MC, Vassal G, Geoerger B;** European consortium Innovative Therapies for Children with Cancer (ITCC). Phase II study of temozolomide and topotecan (TOTEM) in children with relapsed or refractory extracranial and central nervous system tumors including medulloblastoma with post hoc Bayesian analysis: A European ITCC study. Pediatric Blood and Cancer. 2020. 67(1):e28032.  
doi: 10.1002/pbc.28032. Epub 2019 Oct 8. PubMed PMID : 31595663
56. Recondo G, Mezquita L, Facchinetti F, Planchard D, Gazzah A, Bigot L, Rizvi AZ, Frias RL, Thiery JP, Scoazec JY, Sourisseau T, Howarth K, Deas O, Samofalova D, Galissant J, Tesson P, Braye F, Naltet C, Lavaud P, Mahjoubi L, Abou Lovergne A, Vassal G, Bahleda R, Hollebecque A, Nicotra C, Ngo-Camus M, **Michiels S, Lacroix L, Richon C, Auger N, De Baere T, Tselikas L, Solary E, Angevin E, Eggermont AM, Andre F, Massard C, Olaussen KA, Soria JC, Besse B, Friboulet L.** Diverse Resistance Mechanisms to the Third-Generation ALK Inhibitor Lorlatinib in ALK-Rearranged Lung Cancer. Clinical Cancer Research. 2020. 26(1):242-255. doi: 10.1158/1078-0432.CCR-19-1104. Epub 2019 Oct 4.  
PubMed PMID : 31585938
57. Varlet P, **Le Teuff G, Le Deley MC, Giangaspero F, Haberler C, Jacques TS, Figarella-Branger D, Pietsch T, Andreiuolo F, Deroulers C, Jaspan T, Jones C, Grill J.** WHO grade has no prognostic value in the pediatric high-grade glioma included in the HERBY trial. Neuro-oncology. 2020. 22(1):116-127.  
doi: 10.1093/neuonc/noz142. PubMed PMID : 31419298

58. **Bayar MA, Le Teuff G**, Koenig F, **Le Deley MC, Michiels S**. Group sequential adaptive designs in series of time-to-event randomised trials in rare diseases: A simulation study. *Statistical Methods in Medical Research*. 2020. 29(6):1483-1498. doi: 10.1177/0962280219862313. Epub 2019 Jul 29. PubMed PMID : 31354106
59. David C, Divard G, **Abbas R**, Escoubet B, Chezel J, Chauveheid MP, Rouzaud D, Boutten A, Papo T, Dehoux M, Sacre K. Soluble CD163 is a biomarker for accelerated atherosclerosis in systemic lupus erythematosus patients at apparent low risk for cardiovascular disease. *Scandinavian journal of rheumatology*. 2020. 49(1):33-37. doi: 10.1080/03009742.2019.1614213. Epub 2019 Jun 4. PubMed PMID : 31161842
60. Stoclin A, **Rotolo F**, Hicheri Y, Mons M, Chachaty E, Gachot B, **Pignon JP**, Wartelle M, Blot F. Ventilator-associated pneumonia and bloodstream infections in intensive care unit cancer patients: a retrospective 12-year study on 3388 prospectively monitored patients. *Supportive care in cancer*. 2020. 28(1):193-200. doi: 10.1007/s00520-019-04800-6. Epub 2019 Apr 17. PubMed PMID : 31001694
61. **Altzerinakou MA, Paoletti X**. An adaptive design for the identification of the optimal dose using joint modeling of continuous repeated biomarker measurements and time-to-toxicity in phase I/II clinical trials in oncology. *Statistical Methods in Medical Research*. 2020. 29(2):508-521. doi: 10.1177/0962280219837737. Epub 2019 Apr 4. PubMed PMID : 30945604
62. Mozgunov P, Jaki T, **Paoletti X**. A benchmark for dose finding studies with continuous outcomes. *Biostatistics*. 2020. 21(2):189-201. doi: 10.1093/biostatistics/kxy045. PubMed PMID : 30165594
63. Bertaud S, Skarbek Borowski E, **Abbas R**, Baudouin C, Labb   A. Influence of automated visual field testing on intraocular pressure. *BMC ophthalmology*. 2020. 20(1):363. doi: 10.1186/s12886-020-01622-7. PubMed PMID : 32907553
64. Turner NC, Liu Y, Zhu Z, Loi S, Colleoni M, Loibl S, DeMichele A, Harbeck N, Andr   F, **Bayar MA, Michiels S**, Zhang Z, Giorgetti C, Arnedos M, Huang Bartlett C, Cristofanilli M. Cyclin E1 Expression and Palbociclib Efficacy in Previously Treated Hormone Receptor-Positive Metastatic Breast Cancer. *Journal of Clinical Oncology*. 2020. 37(14):1169-1178. doi: 10.1200/JCO.18.00925. Epub 2019 Feb 26. PubMed PMID : 30807234

65. Ge C, Peters S, Olsson A, Portengen L, Schüz J, Almansa J, Behrens T, Pesch B, Kendzia B, Ahrens W, Bencko V, **Benhamou S**, Boffetta P, Bueno-de-Mesquita B, Caporaso N, Consonni D, Demers P, Fabiánová E, Fernández-Tardón G, Field J, Forastiere F, Foretova L, Guénel P, Gustavsson P, Ho V, Janout V, Jöckel KH, Karrasch S, Landi MT, Lissowska J, Luce D, Mates D, McLaughlin J, Merletti F, Mirabelli D, Plato N, Pohlabeln H, Richiardi L, Rudnai P, Siemiatycki J, Świątkowska B, Tardón A, Wichmann HE, Zaridze D, Brüning T, Straif K, Kromhout H, Vermeulen R. Respirable Crystalline Silica Exposure, Smoking, and Lung Cancer Subtype Risks. A Pooled Analysis of Case-Control Studies. *American Journal of Respiratory and Critical Care Medicine*. 2020; 202(3):412-421. doi: 10.323303941164/rccm.201910-1926OC.  
PubMed PMID : 32330394
66. Di Credico G, Polesel J, Dal Maso L, Pauli F, Torelli N, Luce D, Radoï L, Matsuo K, Serraino D, Brennan P, Holcatova I, Ahrens W, Lagiou P, Canova C, Richiardi L, Healy CM, Kjaerheim K, Conway DI, Macfarlane GJ, Thomson P, Agudo A, Znaor A, Franceschi S, Herrero R, Toporcov TN, Moyses RA, Muscat J, Negri E, Vilensky M, Fernandez L, Curado MP, Menezes A, Daudt AW, Koifman R, Wunsch-Filho V, Olshan AF, Zevallos JP, Sturgis EM, Li G, Levi F, Zhang ZF, Morgenstern H, Smith E, Lazarus P, La Vecchia C, Garavello W, Chen C, Schwartz SM, Zheng T, Vaughan TL, Kelsey K, McClean M, **Benhamou S**, Hayes RB, Purdue MP, Gillison M, Schantz S, Yu GP, Chuang SC, Boffetta P, Hashibe M, Yuan-Chin AL, Edefonti V. Alcohol drinking and head and neck cancer risk: the joint effect of intensity and duration. *British journal of cancer*. 2020.  
doi: 10.1038/s41416-020-01031-z. Online ahead of print.  
PubMed PMID : 32830199
67. Yu EYW, Wesselius A, Sinhart C, Wolk A, Stern MC, Jiang X, Tang L, Marshall J, Kellen E, van den Brandt P, Lu CM, Pohlabeln H, Steineck G, Allam MF, Karagas MR, La Vecchia C, Porru S, Carta A, Golka K, Johnson KC, **Benhamou S**, Zhang ZF, Bosetti C, Taylor JA, Weiderpass E, Grant EJ, White E, Polesel J, Zeegers MPA. A data mining approach to investigate food groups related to incidence of bladder cancer in the BLadder cancer Epidemiology and Nutritional Determinants International Study. *The British journal of nutrition*. 2020; 124(6):611-619. doi: 10.1017/S0007114520001439. Epub 2020 Apr 23.  
PubMed PMID : 32321598
68. Bravi F, Lee YA, Hashibe M, Boffetta P, Conway DI, Ferraroni M, La Vecchia C, Edefonti V; **INHANCE Consortium investigators**. Lessons learned from the INHANCE consortium: An overview of recent results on head and neck cancer. *Oral diseases*. 2020. doi: 10.1111/odi.13502. Online ahead of print.  
PubMed PMID : 32569410

69. Terrisse S, **Karamouza E**, Parker CC, Sartor AO, James ND, Pirrie S, Collette L, Tombal BF, Chahoud J, Smeland S, Erikstein B, **Pignon JP**, Fizazi K, **Le Teuff G**; MORPHEP Collaborative Group. Overall Survival in Men With Bone Metastases From Castration-Resistant Prostate Cancer Treated With Bone-Targeting Radioisotopes: A Meta-analysis of Individual Patient Data From Randomized Clinical Trials. *JAMA oncology*. 2020. Feb 1;6(2):206-216. doi: 10.1001/jamaoncol.2019.4097. PubMed PMID: 31830233
70. Boilève A, De Cuyper A, **Larive A**, Mahjoubi L, Najdawi M, Tazdait M, Gelli M, Tselikas L, Smolenschi C, Malka D, **Pignon JP**, Ducreux M, Boige V. Hepatic arterial infusion of oxaliplatin plus systemic chemotherapy and targeted therapy for unresectable colorectal liver metastases. *European journal of cancer*. 2020 Oct;138:89-98. doi: 10.1016/j.ejca.2020.07.022. Epub 2020 Aug 29. PubMed PMID: 32871526
71. Vairy S, **Le Teuff G**, Bautista F, De Carli E, Bertozzi AI, Pagnier A, Fouyssac F, Nysom K, Aerts I, Leblond P, Millot F, Berger C, Canale S, Paci A, Poinsignon V, **Chevance A**, Ezzalfani M, Vidaud D, Di Giannatale A, Hladun-Alvaro R, Petit FM, Vassal G, Geoerger B, **Le Deley MC**, Grill J. Phase I study of vinblastine in combination with nilotinib in children, adolescents, and young adults with refractory or recurrent low-grade glioma. *Neuro-oncology advances*. 2020. Jun 9;2(1):vdaa075. doi: 10.1093/noajnl/vdaa075. eCollection 2020 Jan-Dec. PubMed PMID: 32666050
72. Piperno-Neumann S, Ray-Coquard I, **Occean BV**, Laurence V, Cupissol D, Perrin C, Penel N, Bompas E, Rios M, Le Cesne A, Italiano A, Anract P, de Pinieux G, Collard O, Bertucci F, Duffaud F, **Le Deley MC**, Delaye J, Brugieres L, Blay JY. Results of API-AI based regimen in osteosarcoma adult patients included in the French OS2006/Sarcome-09 study. *International Journal of Cancer*. 2020. Jan 15;146(2):413-423. doi: 10.1002/ijc.32526. Epub 2019 Jul 19. PMID: 31246277
73. Marec-Berard P, Laurence V, **Occean BV**, Ray-Coquard I, Linassier C, Corradini N, Collard O, Chaigneau L, Cupissol D, Kerbrat P, Saada-Bouzid E, Delcambre C, Gouin F, Guillemet C, Jimenez M, Lervat C, Gaspar N, **Le Deley MC**, Brugieres L, Piperno-Neumann S. Methotrexate-Etoposide-Ifosfamide Compared with Doxorubicin-Cisplatin-Ifosfamide Chemotherapy in Osteosarcoma Treatment, Patients Aged 18-25 Years. *Journal of adolescent and young adult oncology*. 2020 Apr;9(2):172-182. doi: 10.1089/jayao.2019.0085. Epub 2019 Nov 8. PubMed PMID: 31702419

74. Uzan C, Mazouni C, **Rossoni C**, De Korvin B, de Lara CT, Cohen M, Chabbert N, Zilberman S, Boussion V, Vincent Salomon A, Espie M, Coutant C, Marchal F, **Salviat F**, Boulanger L, Doutriaux-Dumoulin I, Jouve E, Mathelin C, de Saint Hilaire P, Mollard J, Balleyguier C, Joyon N, Triki ML, Delaloge S, **Michiels S**. Prospective Multicenter Study Validate a Prediction Model for Surgery Uptake Among Women with Atypical Breast Lesions. *Annals of surgical oncology*. 2020 Sep 12. doi: 10.1245/s10434-020-09107-z. Online ahead of print. PubMed PMID: 32920723
75. Ferrara R, Naigeon M, Auclin E, Duchemann B, Cassard L, Jouniaux JM, Boselli L, Grivel J, Desnoyer A, Mezquita L, **Texier M**, Caramella C, Hendriks LEL, Planchard D, Remon J, Sangaletti S, Proto C, Garassino MC, Soria JC, Marabelle A, Voisin AL, Farhane S, Besse B, Chaput N. Circulating T-cell immunosenescence in advanced non-small cell lung cancer patients treated with single agent PD-1/PD-L1 inhibitors or platinum-based chemotherapy. *Clinical cancer research*. 2020 Sep 4:clincanres.1420.2020. doi: 10.1158/1078-0432.CCR-20-1420. Online ahead of print. PubMed PMID: 32887723
76. Genestie C, Blanc-Durand F, Auguste A, Pautier P, **Dunant A**, Scoazec JY, Gouy S, Morice P, Bentivegna E, Maulard A, LeFormal A, Devouassoux-Shisheboran M, Leary A. Clinical utility of SMARCA4 testing by immunohistochemistry in rare ovarian tumours. *British journal of cancer*. 2020 Feb;122(4):564-568. doi: 10.1038/s41416-019-0687-z. Epub 2019 Dec 17. PubMed PMID: 31844183
77. Leary A, Genestie C, Blanc-Durand F, Gouy S, **Dunant A**, Maulard A, Drusch F, Cheaib B, Michels J, Bentivegna E, LeFormal A, Mesnage S, Morice P, Pautier P, Khairallah AS. Neoadjuvant chemotherapy alters the balance of effector to suppressor immune cells in advanced ovarian cancer. *Cancer Immunology Immunotherapy*. 2020 Aug 27. doi: 10.1007/s00262-020-02670-0. Online ahead of print. PubMed PMID: 32852603
78. Michot JM, Annereau M, Danu A, **Legoupil C**, Bertin L, Chahine C, Achab N, Antosikova A, Cerutti A, Rossignol J, Ghez D, Willekens C, Dartigues P, Lazarovici J, Lemare F, Ribrag V. High-dose cyclophosphamide for hard-to-treat patients with relapsed or refractory B-cell non-Hodgkin's lymphoma, a phase II result. *European journal of haematology*. 2020 Apr;104(4):281-290. doi: 10.1111/ejh.13369. Epub 2020 Jan 28. PubMed PMID: 31838764
79. Zakeri K, **Rotolo F**, **Lacas B**, Vitzthum LK, Le QT, Gregoire V, Overgaard J, Hackshaw A, Zackrisson B, Parmar MKB, Burtness BA, Ghi MG, Sanguineti G, O'Sullivan B, Fortpied C, Bourhis J, Shen H, Harris J, **Michiels S**, **Pignon JP**, Mell LK; MARCH/MACH-NC Collaborative Group and the Head and Neck Cancer Intergroup. Predictive classifier for intensive treatment of head and neck cancer. *Cancer*. 2020 Oct 5. doi: 10.1002/cncr.33212. Online ahead of print. PubMed PMID : 33017867

80. Hueso T, Bouchez C, **Salviat F**, **Foulon S**, Albiges L, Bayle A, Gallois E, Vergé V, Boige V, Griscelli F, Pommeret F, Ghez D. Secondary haemophagocytic lymphohistiocytosis is a rare occurrence amongst cancer patients with COVID-19. *British Journal of Haematology*. 2020 Dec 16. doi: 10.1111/bjh.17275. Online ahead of print. PubMed PMID: 33326597
81. Maillard M, Chevreau C, Le Louedec F, Cassou M, Delmas C, Gourdain L, Blay JY, Cupissol D, Bompas E, Italiano A, Isambert N, Delcambre-Lair C, Penel N, Bertucci F, Guillemet C, Plenecassagnes J, **Foulon S**, Chatelut É, Le Cesne A, Thomas F. Pharmacogenetic Study of Trabectedin-Induced Severe Hepatotoxicity in Patients with Advanced Soft Tissue Sarcoma. *Cancers*. 2020 Dec 4;12(12):3647. doi: 10.3390/cancers12123647. PubMed PMID : 33291741
82. Recondo G, Mahjoubi L, **Maillard A**, Loriot Y, Bigot L, Facchinetti F, Bahleda R, Gazzah A, Hollebecque A, Mezquita L, Planchard D, Naltet C, Lavaud P, Lacroix L, Richon C, Lovergne AA, De Baere T, Tselikas L, Deas O, Nicotra C, Ngo-Camus M, Frias RL, Solary E, Angevin E, Eggermont A, Olaussen KA, Vassal G, **Michiels S**, Andre F, Scoazec JY, Massard C, Soria JC, Besse B, Friboulet L. Feasibility and first reports of the MATCH-R repeated biopsy trial at Gustave Roussy. *NPJ Precision Oncology*. 2020 Sep 8;4:27. doi: 10.1038/s41698-020-00130-7. eCollection 2020. PubMed PMID : 32964129
83. Tao Y, **Aupérin A**, Sun X, Sire C, Martin L, Coutte A, Lafond C, Miroir J, Liem X, Rolland F, Even C, Nguyen F, Saada E, **Maillard A**, Colin-Batailhou N, Thariat J, Guigay J, Bourhis J. Avelumab-cetuximab-radiotherapy versus standards of care in locally advanced squamous-cell carcinoma of the head and neck: The safety phase of a randomised phase III trial GORTEC 2017-01 (REACH). *European Journal of Cancer*. 2020 Dec;141:21-29. doi: 10.1016/j.ejca.2020.09.008. Epub 2020 Oct 24. PubMed PMID: 33125944
84. Di Meglio A, Menvielle G, Dumas A, Gbenou A, Pinto S, Bovagnet T, Martin E, Ferreira AR, Vanlemmens L, Arsene O, Ibrahim M, Wassermann J, Martin AL, Lemonnier J, Del Mastro L, Jones LW, Partridge AH, Ligibel JA, Andre F, **Michiels S**, Vaz Luis I. Body weight and return to work among survivors of early-stage breast cancer. *ESMO Open*. 2020 Nov;5(6):e000908. doi: 10.1136/esmoopen-2020-000908. PubMed PMID : 33172957
85. Gómez-Aleza C, Nguyen B, Yoldi G, Ciscar M, Barranco A, Hernández-Jiménez E, Maetens M, Salgado R, Zafeiroglou M, Pellegrini P, Venet D, Garaud S, Trinidad EM, Benítez S, Vuylsteke P, Polastro L, Wildiers H, Simon P, Lindeman G, Larsimont D, Van den Eynden G, Velghe C, Rothé F, Willard-Gallo K, **Michiels S**, Muñoz P, Walzer T, Planelles L, Penninger J, Azim HA Jr, Loi S, Piccart M, Sotiriou C, González-Suárez E. Inhibition of RANK signaling in breast cancer induces an anti-tumor immune response orchestrated by CD8+ T cells. *Nature Communications*. 2020 Dec 10;11(1):6335. doi: 10.1038/s41467-020-20138-8. PubMed PMID: 33303745

86. Dubuisson A, Fahrner JE, Goubet AG, Terrisse S, Voisin N, Bayard C, Lofek S, **Drubay D**, Bredel D, Mouraud S, Susini S, Cogdill A, Rebuffet L, Ballot E, Jacquemet N, Thomas de Montpreville V, Casiraghi O, Radulescu C, Ferlicot S, Figueroa DJ, Yadavilli S, Waight JD, Ballas M, Hoos A, Condamine T, Parier B, Gaudillat C, Routy B, Ghiringhelli F, Derosa L, Breuskin I, Rouanne M, André F, Lebacle C, Baumert H, Wislez M, Fadel E, Cremer I, Albiges L, Geoerger B, Scoazec JY, Loriot Y, Kroemer G, Marabelle A, Bonvalet M, Zitvogel L. Immunodynamics of explanted human tumors for immuno-oncology. *EMBO Molecular Medicine*. 2020 Dec 29;e12850. doi: 10.15252/emmm.202012850. Online ahead of print. PubMed PMID : 33372722
87. Ferrere G, Tidjani Alou M, Liu P, Goubet AG, Fidelle M, Kepp O, Durand S, Iebba V, Fluckiger A, Daillère R, Thelemaque C, Grajeda-Iglesias C, Alves Costa Silva C, Aprahamian F, Lefevre D, Zhao L, Ryffel B, Colomba E, Arnedos M, **Drubay D**, Rauber C, Raoult D, Asnicar F, Spector T, Segata N, Derosa L, Kroemer G, Zitvogel L. Ketogenic diet and ketone bodies enhance the anticancer effects of PD1 blockade. *Journal of Clinical Investigation Insight*. 2020 Dec 15;145207. doi: 10.1172/jci.insight.145207. Online ahead of print. PubMed PMID : 33320838
88. Dufour C, **Foulon S**, Geoffray A, Masliah-Planchon J, Figarella-Branger D, Guerrini-Rousseau L, Faure-Conter C, Iché C, Bertozzi AI, Leblond P, Akbaraly T, Bourdeaut F, André N, Chappé C, Schneider P, De Carli E, Chastagner P, Berger C, Lejeune J, Soler C, Entz-Werlé N, Delisle MB. Prognostic relevance of clinical and molecular risk factors in children with high-risk medulloblastoma treated in the phase 2 trial PNET HR+5. *Neuro-oncology*. 2020 Dec 30;noaa301. doi: 10.1093/neuonc/noaa301. Online ahead of print. PubMed PMID : 33377141
89. Albiges L, **Foulon S**, Bayle A, Gachot B, Pommeret F, Willekens C, Stoclin A, Merad M, Griselli F, Lacroix L, Netzer F, Hueso T, Balleyguier C, Ammari S, Colomba E, Baciarello G, Perret A, Hollebecque A, Hadoux J, Michot J-M, Chaput N, Saada V, Hauchecorne M, Micol J-B, Sun R, Valteau-Couanet D, André F, Scotte F, Besse B, Soria J-C and Barlesi F. Determinants of the outcomes of patients with cancer infected with SARS-CoV-2 : results from the Gustave Roussy cohort. *Nature Cancer*. volume 1, pages 965–975(2020). doi :10.1038/s43018-020-00120-5.
90. Sahasrabudhe M, Christodoulidis S, Salgado R, **Michiels S**, Loi S, André F, Paragios N, Vakalopoulou M. Self-supervised Nuclei Segmentation in Histopathological Images Using Attention. *MICCAI 2020. Lecture Notes in Computer Science*, vol 12265. Springer, Cham. doi :10.1007/978-3-030-59722-1\_38
91. **Roblin E**, Courneuve P-H, **Michiels S**. On the Use of Neural Networks with Censored Time-to-Event Data. *ISMCO 2020. LNBI 12508*, pp. 56-67, 2020. doi : 10.1007/978-3-030-64511-3\_6.

92. Rapiti E, Tille JC, Fournier E, Saji E, Weintraub D, Bouzourene H, Viassolo V, Bouchardy C, Chappuis PO, **Benhamou S**. Concordance of tumour characteristics and survival clustering among pairs of first-degree relatives with breast cancer. *Swiss medical weekly*. 2020 Sep 14;150:w20327. doi: 10.4414/smw.2020.20327. eCollection 2020 Sep 7. PubMed PMID : 33035353
93. Or Z, **Rococco E**, Touré M, **Bonastre J**. Impact of Competition Versus Centralisation of Hospital Care on Process Quality: A Multilevel Analysis of Breast Cancer Surgery in France. *International journal of health policy and management*. 2020 Sep 30. doi: 10.34172/ijhpm.2020.179. Online ahead of print. PubMed PMID : 33008262
94. Champiat S, Tselikas L, Farhane S, Raoult T, **Texier M**, **Lanoy E**, Massard C, Robert C, Ammari S, De Baere T, Marabelle A. Intratumoral Immunotherapy: from Trial Design to Clinical Practice. *Clinical Cancer Research*. 2020 Sep 17;clincanres.0473.2020. doi: 10.1158/1078-0432.CCR-20-0473. Online ahead of print. PubMed PMID : 32943460
95. Karam JD, Noel N, Voisin AL, **Lanoy E**, Michot JM, Lambotte O. Infectious complications in patients treated with immune checkpoint inhibitors. *European Journal of Cancer*. 2020 Dec;141:137-142. doi: 10.1016/j.ejca.2020.09.025. Epub 2020 Oct 30. PubMed PMID : 33137589
96. Huybrechts S, **Le Teuff G**, Tauziède-Espriat A, **Rossoni C**, Chivet A, Indersie É, Varlet P, Puget S, **Abbas R**, Ayrault O, Guerrini-Rousseau L, Grill J, Valteau-Couanet D, Dufour C. Prognostic Clinical and Biologic Features for Overall Survival after Relapse in Childhood Medulloblastoma. *Cancers*. 2020 Dec 27;13(1):E53. doi: 10.3390/cancers13010053. PubMed PMID : 33375523
97. Guida A, **Le Teuff G**, Alves C, Colomba E, Di Nunno V, Derosa L, Flippot R, Escudier B, Albiges L. Identification of international metastatic renal cell carcinoma database consortium (IMDC) intermediate-risk subgroups in patients with metastatic clear-cell renal cell carcinoma. *Oncotarget*. 2020 Dec 8;11(49):4582-4592. doi: 10.18632/oncotarget.27762. PubMed PMID : 33346231
98. **Hill, C**. [Pediatric cancers: is the Sainte-Pazanne situation really abnormal?]. 2020 May;70(5):479-481. *La Revue du Praticien*. PubMed PMID : 33058631

99. Ferrara, R; Mezquita, L; **Texier, M**; Lahmar, J; Audiger-Valette, C; Tessonniere, L; Mazieres, J; Zalcman, G; Brosseau, S; Le Moulec, S; Leroy, L; Duchemann, B; Lefebvre, C; Veillon, R; Westeel, V; **Koscielny, S**; Champiat, S; Ferte, C; Planchard, D; Remon, J; Boucher, M E; Gazzah, A; Adam, J; Lo Russo, G; Signorelli, D; Garassino, M C; Soria, J C; Caramella, C; Besse, B. Comparison of Fast-Progression, Hyperprogressive Disease, and Early Deaths in Advanced Non-Small-Cell Lung Cancer Treated With PD-1/PD-L1 Inhibitors or Chemotherapy. 2020. *Jco Precision Oncology*, vol. 4, p. 829–840. doi: 10.1200/PO.20.00021.
100. Guigay, J.; Le Caer, H.; Ortholan, C.; **Auperin, A.**; Michel, C.; Mertens, C. (2020) Head and neck tumors in older adults: Systemic treatments and combination with local strategies. 2020. Martine Extermann, coord.: Geriatric Oncology. Cham: Springer, p. 759–771. doi: 10.1007/978-3-319-57415-8\_37
101. Pham, A.; Messai, I.; Forest, J.; Briand, M.; Le Bihan, P.; Elleboode, V.; Sahri, W.; Fontaine, P.-A.; **Borget, I.**; Diallo, M. L. Compte-rendu du congrès de l'ISPOR Europe 2019: Evaluation des produits de santé: Comment accélérer l'accès au marché des traitements tout en garantissant la pertinence clinique et la maîtrise des dépenses ? [Highlights of the 2019 ISPOR conference: Evaluation of health products: How to accelerate access to the treatment market while ensuring clinical relevance and control of spending?]. 2020. *Journal de Pharmacie Clinique*, vol. 39, n° 2, p. 61–66. doi: 10.1684/jpc.2020.0438
102. Arcangeli, M-L; Brault, P; Bourhis, J-H; Kuhnnowskie, F; Henry, E; Barroca, V; **Koscielny, S**; Pflumio, F; Amsellem, S. Combined G-CSF and Plerixafor enhance hematopoietic recovery of CD34(+) cells from poor mobilizer patients in NSG mice. 2020. *Experimental Hematology*. doi: 10.1016/j.exphem.2020.05.006.
103. Mussolin L, **Le Deley MC**, Carraro E, Damm-Welk C, Attarbaschi A, Williams D, Burke A, Horibe K, Nakazawa A, Wrobel G, Mann G, Csóka M, Uyttebroeck A, Fernández-Delgado Cerdá RF, Beishuizen A, Mellgren K, Burkhardt B, Klapper W, Turner SD, D'Amore ESG, Lamant L, Reiter A, Woessmann W, Brugières L, Pillon MPOBOTEIFCNL. Prognostic Factors in Childhood Anaplastic Large Cell Lymphoma: Long Term Results of the International ALCL99 Trial. *Cancers*. 2020 Sep 24;12(10):2747. doi: 10.3390/cancers12102747.  
PubMed PMID : 32987765

104. Ge C, Peters S, Olsson A, Portengen L, Schüz J, Almansa J, Ahrens W, Bencko V, **Benhamou S**, Boffetta P, Bueno-de-Mesquita B, Caporaso N, Consonni D, Demers P, Fabiánová E, Fernández-Tardón G, Field J, Forastiere F, Foretova L, Guénel P, Gustavsson P, Janout V, Jöckel KH, Karrasch S, Teresa Landi M, Lissowska J, Luce D, Mates D, McLaughlin J, Merletti F, Mirabelli D, Pándics T, Parent MÉ, Plato N, Pohlabeln H, Richiardi L, Siemiatycki J, Świątkowska B, Tardón A, Wichmann HE, Zaridze D, Straif K, Kromhout H, Vermeulen R. Diesel Engine Exhaust Exposure, Smoking, and Lung Cancer Subtype Risks. A Pooled Exposure-Response Analysis of 14 Case-Control Studies. American Journal of Respiratory and Critical Care Medicine. 2020 Aug 1;202(3):402-411. doi: 10.1164/rccm.201911-2101OC. PubMed PMID : 32330395
105. Lee S, Deasy JO, Oh JH, Di Meglio A, Dumas A, Menvielle G, Charles C, Boyault S, Rousseau M, Besse C, Thomas E, Boland A, Cottu P, Tredan O, Levy C, Martin AL, Everhard S, Ganz PA, Partridge AH, **Michiels S**, Deleuze JF, Andre F, Vaz-Luis I. Prediction of Breast Cancer Treatment-Induced Fatigue by Machine Learning Using Genome-Wide Association Data. JNCI Cancer Spectr. 2020 May 11;4(5):pkaa039. doi: 10.1093/jncics/pkaa039. eCollection 2020 Oct. PMID: 33490863
106. **Asvatourian, V** ; Leray, P ; **Michiels, S** ; **Lanoy, E**. Integrating expert's knowledge constraint of time dependent exposures in structure learning for Bayesian networks. Artificial Intelligence in Medicine. 2020 Jul. 107:101874. doi: 10.1016/j.artmed.2020.101874. Epub 2020 Jun 2. PubMed PMID: 32828437
107. Boutros, C ; Chaput-Gras, N ; **Lanoy, E** ; **Larive, A** ; Mateus, C ; Routier, E ; Sun, R ; Gan Tao, Y ; Massard, C ; Bahleda, R ; **Schwob, D** ; Ibrahim, N ; Khouri Abboud, RM ; Caramella, C ; Lancia, A ; Cassard, L ; Roy, S ; Soria, J-C ; Robert, C ; Deutsch, E. Dose escalation phase 1 study of radiotherapy in combination with anti-cytotoxic-T-lymphocyte-associated antigen 4 monoclonal antibody ipilimumab in patients with metastatic melanoma. Journal of Immunotherapy of cancer. 2020. 8(2):e000627. doi: 10.1136/jitc-2020-000627. PubMed PMID: 32819972

