

## Publications Pr Laurent-Puig 2010-2019

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Plasma clearance of RAS mutation under therapeutic pressure is a rare event in metastatic colorectal cancer. Moati E, Blons H, Taly V, Garlan F, Wang-Renault SF, Pietrasz D, Didelot A, Garrigou S, Saint A, Pernot S, Taieb J, Laurent-Puig P, Zaanani A. *Int J Cancer*. 2019 Aug 31. doi: 10.1002/ijc.32657. [Epub ahead of print]

The cellular prion protein controls the mesenchymal-like molecular subtype and predicts disease outcome in colorectal cancer. Le Corre D, Ghazi A, Balogoun R, Pilati C, Aparicio T, Martin-Lannerée S, Marisa L, Djouadi F, Poindessous V, Crozet C, Emile JF, Mulot C, Le Malicot K, Boige V, Blons H, de Reynies A, Taieb J, Ghiringhelli F, Bennouna J, Launay JM, Laurent-Puig P, Mouillet-Richard S. *EBioMedicine*. 2019 Aug;46:94-104. doi: 10.1016/j.ebiom.2019.07.036. Epub 2019 Jul 31.

Ampullary carcinoma prognostic markers. Perkins G, Laurent-Puig P, Taieb J. *Oncotarget*. 2019 Jul 16;10(44):4509-4510. doi: 10.18632/oncotarget.27067. eCollection 2019 Jul 16. No abstract available.

Exploring the best treatment options for BRAF-mutant metastatic colon cancer. Taieb J, Lapeyre-Prost A, Laurent Puig P, Zaanani A. *Br J Cancer*. 2019 Sep;121(6):434-442. doi: 10.1038/s41416-019-0526-2. Epub 2019 Jul 29. Review.

The Evolving Biomarker Landscape for Treatment Selection in Metastatic Colorectal Cancer. Taieb J, Jung A, Sartore-Bianchi A, Peeters M, Seligmann J, Zaanani A, Burdon P, Montagut C, **Laurent-Puig P**. *Drugs*. 2019 Sep;79(13):1375-1394. doi: 10.1007/s40265-019-01165-2. Review.

*BRAF* Mutation Status in Circulating Tumor DNA from Patients with Metastatic Colorectal Cancer: Extended Mutation Analysis from the AGEO RASANC Study. Mas L, Bachet JB, Taly V, Bouché O, Taieb J, Cohen R, Meurisse A, Normand C, Gornet JM, Artru P, Louafi S, Thiot-Bidault A, Baumgaertner I, Coriat R, Tougeron D, Lecomte T, Mary F, Aparicio T, Marthey L, Blons H, Vernerey D, **Laurent-Puig P**. *Cancers (Basel)*. 2019 Jul 17;11(7). pii: E998. doi: 10.3390/cancers11070998.

Molecular targeted therapy of *BRAF*-mutant colorectal cancer. Ducreux M, Chamseddine A, Laurent-Puig P, Smolenski C, Hollebecque A, Dartigues P, Samallin E, Boige V, Malka D, Gelli M. *Ther Adv Med Oncol*. 2019 Jun 18;11:1758835919856494. doi: 10.1177/1758835919856494. eCollection 2019. Review.

Influence of Molecular Status on Recurrence Site in Patients Treated for a Stage III Colon Cancer: a Post Hoc Analysis of the PETACC-8 Trial. Bruzzi M, Auclin E, Lo Dico R, Voron T, Karoui M, Espin E, Cianchi F, Weitz J, Buggenhout A, Malafosse R, Denimal F, Le Malicot K, Vernerey D, Douard R, Emile JF, Lepage C, Laurent-Puig P, Taieb J. *Ann Surg Oncol*. 2019 Oct;26(11):3561-3567. doi: 10.1245/s10434-019-07513-6. Epub 2019 Jun 17.

NF1 mutations identify molecular and clinical subtypes of lung adenocarcinomas. Tlemsani C, Pécuchet N, Gruber A, Laurendeau I, Danel C, Riquet M, Le Pimpec-Barthes F, Fabre E, Mansuet-Lupo A, Damotte D, Alifano M, Luscan A, Rousseau B, Vidaud D, Varin J, Parfait B, Bieche I, Leroy K, Laurent-Puig P, Terris B, Blons H, Vidaud M, Pasmant E. *Cancer Med*. 2019 Aug;8(9):4330-4337. doi: 10.1002/cam4.2175. Epub 2019 Jun 14.

FOLFOX alone or combined with rilotumumab or panitumumab as first-line treatment for patients with advanced gastroesophageal adenocarcinoma (PRODIGE 17-ACCORD 20-MEGA): a randomised, open-label, three-arm phase II trial. Malka D, François E, Penault-Llorca F, Castan F, Bouché O, Bennouna J, Ghiringhelli F, de la Fouchardière C, Borg C,

Samalin E, Bachet JB, Raoul JL, Miglianico L, Bengrine-Lefèvre L, Dahan L, Lecaille C, Aparicio T, Stanbury T, Perrier H, Cayre A, Laurent-Puig P, Gourgou S, Emile JF, Taïeb J. *Eur J Cancer*. 2019 Jul;115:97-106. doi: 10.1016/j.ejca.2019.04.020. Epub 2019 May 23.

Impact of single-nucleotide polymorphisms in DNA repair pathway genes on response to chemoradiotherapy in rectal cancer patients: Results from ACCORD-12/PRODIGE-2 phase III trial. Boige V, Mollevi C, Gourgou S, Azria D, Seitz JF, Vincent M, Bigot L, Juzyna B, Miran I, Gerard JP, **Laurent-Puig P**. *Int J Cancer*. 2019 Dec 1;145(11):3163-3172. doi: 10.1002/ijc.32417. Epub 2019 May 31.

A Machine Learning Platform to Optimize the Translation of Personalized Network Models to the Clinic. Salvucci M, Rahman A, Resler AJ, Udupi GM, McNamara DA, Kay EW, Laurent-Puig P, Longley DB, Johnston PG, Lawler M, Wilson R, Salto-Tellez M, Van Schaeybroeck S, Rafferty M, Gallagher WM, Rehm M, Prehn JHM. *JCO Clin Cancer Inform*. 2019 Apr;3:1-17. doi: 10.1200/CCI.18.00056.

DNAsheII Protects DNA Stored at Room Temperature for Downstream Next-Generation Sequencing Studies. Washetine K, Heeke S, Ribeyre C, Bourreau C, Normand C, Blons H, Laurent-Puig P, Mulot C, Clermont D, David M, Clément B, Dagher G, Hofman P. *Biopreserv Biobank*. 2019 Aug;17(4):352-354. doi: 10.1089/bio.2018.0129. Epub 2019 Mar 26. No abstract available.

The 4th St. Gallen EORTC Gastrointestinal Cancer Conference: Controversial issues in the multimodal primary treatment of gastric, junctional and oesophageal adenocarcinoma. Lutz MP, Zalcborg JR, Ducreux M, Adenis A, Allum W, Aust D, Carneiro F, Grabsch HI, Laurent-Puig P, Lordick F, Möhler M, Mönig S, Obermannova R, Piessen G, Riddell A, Röcken C, Roviello F, Schneider PM, Seewald S, Smyth E, van Cutsem E, Verheij M, Wagner AD, Otto F. *Eur J Cancer*. 2019 May;112:1-8. doi: 10.1016/j.ejca.2019.01.106. Epub 2019 Mar 15. Review.

Can we classify ampullary tumours better? Clinical, pathological and molecular features. Results of an AGEO study. Perkins G, Svrcek M, Bouchet-Doumenq C, Voron T, Colussi O, Debove C, Merabtene F, Dumont S, Sauvanet A, Hammel P, Cros J, André T, Bachet JB, Bardier A, Douard R, Meatchi T, Peschard F, Emile JF, Cojean-Zelek I, Laurent-Puig P, Taieb J. *Br J Cancer*. 2019 Apr;120(7):697-702. doi: 10.1038/s41416-019-0415-8. Epub 2019 Mar 6.

[Tumor banks and complex data management: Current and future challenges]. Hofman P, Dagher G, Laurent-Puig P, Marquette CH, Barlesi F, Bibeau F, Clément B. *Ann Pathol*. 2019 Apr;39(2):137-143. doi: 10.1016/j.annpat.2019.01.017. Epub 2019 Feb 25. French.

Molecular markers and prediction of response to immunotherapy in non-small cell lung cancer, an update. Blons H, Garinet S, Laurent-Puig P, Oudart JB. *J Thorac Dis*. 2019 Jan;11(Suppl 1):S25-S36. doi: 10.21037/jtd.2018.12.48. Review.

Meeting report from the joint IARC-NCI international cancer seminar series: a focus on colorectal cancer. Gunter MJ, Alhomoud S, Arnold M, Brenner H, Burn J, Casey G, Chan AT, Cross AJ, Giovannucci E, Hoover R, Houlston R, Jenkins M, Laurent-Puig P, Peters U, Ransohoff D, Riboli E, Sinha R, Stadler ZK, Brennan P, Chanock SJ. *Ann Oncol*. 2019 Apr 1;30(4):510-519. doi: 10.1093/annonc/mdz044.

Proposal for a Combined Histomolecular Algorithm to Distinguish Multiple Primary Adenocarcinomas from Intrapulmonary Metastasis in Patients with Multiple Lung Tumors. Mansuet-Lupo A, Barritault M, Alifano M, Janet-Vendroux A, Zarmaev M, Biton J, Velut Y, Le Hay C, Cremer I, Régnard JF, Fournel L, Rance B, Wislez M, Laurent-Puig P, Herbst R, Damotte D, Blons H. *J Thorac Oncol*. 2019 May;14(5):844-856. doi: 10.1016/j.jtho.2019.01.017. Epub 2019 Feb 2.

Circadian genes and risk of prostate cancer: Findings from the EPICAP study. Wendeu-Foyet MG, Koudou Y, Cénée S, Trétarre B, Rébillard X, Cancel-Tassin G, Cussenot O, Boland A, Bacq D, Deleuze JF, Lamy PJ, Mulot C, Laurent-Puig P, Truong T, Menegaux F. *Int J Cancer*. 2019 Oct 1;145(7):1745-1753. doi: 10.1002/ijc.32149. Epub 2019 Feb 12.

Systemic treatment of pancreatic cancer revisited. Ducreux M, Seufferlein T, Van Laethem JL, Laurent-Puig P, Smolenschi C, Malka D, Boige V, Hollebecque A, Conroy T. *Semin Oncol*. 2019 Feb;46(1):28-38. doi: 10.1053/j.seminoncol.2018.12.003.

Epub 2018 Dec 27. Review.

Chemoresistant pleomorphic rhabdomyosarcoma: whole exome sequencing reveals underlying cancer predisposition and therapeutic options. Tlemsani C, Leroy K, Gimenez-Roqueplo AP, Mansuet-Lupo A, Pasmant E, Larousserie F, Boudou-Rouquette P, Vidaud M, Cadranel J, Blons H, Goldwasser F, **Laurent-Puig P**. J Med Genet. 2018 Oct 23. pii: jmedgenet-2018-105594. doi: 10.1136/jmedgenet-2018-105594. [Epub ahead of print]

[IHC, FISH, CISH, NGS in non-small cell lung cancer: What changes in the biomarker era?] Hamard C, Mignard X, Pecuchet N, Mathiot N, Blons H, Laurent-Puig P, Leroy K, Lupo A, Chapron J, Giraud F, Arrondeau J, Goldwasser F, Alifano M, Damotte D, Wislez M. Rev Pneumol Clin. 2018 Oct;74(5):327-338. doi: 10.1016/j.pneumo.2018.09.013. Epub 2018 Oct 19. Review. French.

Association of breast cancer risk with polymorphisms in genes involved in the metabolism of xenobiotics and interaction with tobacco smoking: A gene-set analysis. Berrandou T, Mulot C, Cordina-Duverger E, Arveux P, Laurent-Puig P, Truong T, Guénel P. Int J Cancer. 2019 Apr 15;144(8):1896-1908. doi: 10.1002/ijc.31917. Epub 2018 Dec 14.

Stratification of Pancreatic Ductal Adenocarcinomas Based on Tumor and Microenvironment Features. 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 MG, Devière J, de Reyniès A, Laurent-Puig P, Van Laethem JL, Bachet JB, Maréchal R. Gastroenterology. 2018 Dec;155(6):1999-2013.e3. doi: 10.1053/j.gastro.2018.08.033. Epub 2018 Aug 27.

Unresectable metastatic colorectal cancer patient cured with cetuximab-based chemotherapy: a case report with new molecular insights. Cohen R, Sroussi M, Pilati C, Houry S, Laurent-Puig P, André T. J Gastrointest Oncol. 2018 Aug;9(4):E23-E27. doi: 10.21037/jgo.2018.05.10.

Increased expression of the thyroid hormone nuclear receptor TR1 characterizes intestinal tumors with high Wnt activity. Uchuya-Castillo J, Aznar N, Frau C, Martinez P, Le Nevé C, Marisa L, Penalva LOF, Laurent-Puig P, Puisieux A, Scoazec JY, Samarut J, Ansieau S, Plateroti M. Oncotarget. 2018 Jul 24;9(57):30979-30996. doi: 10.18632/oncotarget.25741. eCollection 2018 Jul 24.

Vemurafenib and cobimetinib overcome resistance to vemurafenib in *BRAF*-mutant ganglioglioma. Touat M, Gratioux J, Condette Auliac S, Sejean K, Aldea S, Savatovsky J, Perkins G, Blons H, Ligon KL, Idbaih A, Hollebecque A, Gimenez-Roqueplo AP, Laurent-Puig P, Sanson M, Villa C, Di Stefano AL. Neurology. 2018 Sep 11;91(11):523-525. doi: 10.1212/WNL.0000000000006171. Epub 2018 Aug 17. No abstract available.

Simultaneous detection of lung fusions using a multiplex RT-PCR next generation sequencing-based approach: a multi-institutional research study. Vaughn CP, Costa JL, Feilotter HE, Petraroli R, Bagai V, Rachiglio AM, Marino FZ, Tops B, Kurth HM, Sakai K, Mafficini A, Bastien RRL, Reiman A, Le Corre D, Boag A, Crocker S, Bihl M, Hirschmann A, Scarpa A, Machado JC, Blons H, Sheils O, Bramlett K, Ligtenberg MJL, Cree IA, Normanno N, Nishio K, **Laurent-Puig P**. BMC Cancer. 2018 Aug 16;18(1):828. doi: 10.1186/s12885-018-4736-4.

Validation of miR-31-3p Expression to Predict Cetuximab Efficacy When Used as First-Line Treatment in *RAS* Wild-Type Metastatic Colorectal Cancer. Laurent-Puig P, Grisoni ML, Heinemann V, Liebaert F, Neureiter D, Jung A, Montestruc F, Gaston-Mathe Y, Thiébaud R, Stintzing S. Clin Cancer Res. 2019 Jan 1;25(1):134-141. doi: 10.1158/1078-0432.CCR-18-1324. Epub 2018 Aug 14.

Towards a *RAS* mutation status in a single day for patients with advanced colorectal cancers. Authors' reply. Lièvre A, Merlin JL, Sabourin JC, Artru P, Laurent-Puig P, Ducreux M. Dig Liver Dis. 2018 Sep;50(9):974-975. doi: 10.1016/j.dld.2018.06.014. Epub 2018 Jun 28. No abstract available.

Prognostic Value of Methylator Phenotype in Stage III Colon Cancer Treated with Oxaliplatin-based Adjuvant Chemotherapy. Gallois C, Taieb J, Le Corre D, Le Malicot K, Tabernero J, Mulot C, Seitz JF, Aparicio T, Folprecht G, Lepage C, Mini E, Van Laethem JL, Emile JF, Laurent-Puig P; PETACC8 investigators. Clin Cancer Res. 2018 Oct 1;24(19):4745-4753. doi:

10.1158/1078-0432.CCR-18-0866. Epub 2018 Jun 19.

Current and Future Molecular Testing in NSCLC, What Can We Expect from New Sequencing Technologies? Garinet S, Laurent-Puig P, Blons H, Oudart JB. J Clin Med. 2018 Jun 9;7(6). pii: E144. doi: 10.3390/jcm7060144. Review.

Diversity of genetic events associated with MLH1 promoter methylation in Lynch syndrome families with heritable constitutional epimutation. Leclerc J, Flament C, Lovecchio T, Delattre L, Ait Yahya E, Baert-Desurmont S, Burnichon N, Bronner M, Cabaret O, Lejeune S, Guimbaud R, Morin G, Mauillon J, Jonveaux P, Laurent-Puig P, Frébourg T, Porchet N, Buisine MP. Genet Med. 2018 Dec;20(12):1589-1599. doi: 10.1038/gim.2018.47. Epub 2018 Apr 12.

Validity of Targeted Next-Generation Sequencing in Routine Care for Identifying Clinically Relevant Molecular Profiles in Non-Small-Cell Lung Cancer: Results of a 2-Year Experience on 1343 Samples. Legras A, Barrिताult M, Tallet A, Fabre E, Guyard A, Rance B, Digan W, Pecuchet N, Giroux-Leprieur E, Julie C, Jouvesshomme S, Duchatelle V, Giraudet V, Gibault L, Cazier A, Pastre J, Le Pimpec-Barthes F, Laurent-Puig P, Blons H. J Mol Diagn. 2018 Jul;20(4):550-564. doi: 10.1016/j.jmoldx.2018.04.002. Epub 2018 May 19.

*TP53*, *STK11*, and *EGFR* Mutations Predict Tumor Immune Profile and the Response to Anti-PD-1 in Lung Adenocarcinoma. Biton J, Mansuet-Lupo A, Pécuchet N, Alifano M, Ouakrim H, Arrondeau J, Boudou-Rouquette P, Goldwasser F, Leroy K, Goc J, Wislez M, Germain C, Laurent-Puig P, Dieu-Nosjean MC, Cremer I, Herbst R, Blons H, Damotte D. Clin Cancer Res. 2018 Nov 15;24(22):5710-5723. doi: 10.1158/1078-0432.CCR-18-0163. Epub 2018 May 15.

Role of circulating tumor DNA in the management of patients with colorectal cancer. Moati E, Taly V, Didelot A, Perkins G, Blons H, Taieb J, Laurent-Puig P, Zaanan A. Clin Res Hepatol Gastroenterol. 2018 Oct;42(5):396-402. doi: 10.1016/j.clinre.2018.03.002. Epub 2018 Apr 5. Review.

Mutation and Methylation Analysis of Circulating Tumor DNA Can Be Used for Follow-up of Metastatic Colorectal Cancer Patients. Boeckx N, Op de Beeck K, Beyens M, Deschoolmeester V, Hermans C, De Clercq P, Garrigou S, Normand C, Monsaert E, Papadimitriou K, Laurent-Puig P, Pauwels P, Van Camp G, Taly V, Peeters M. Clin Colorectal Cancer. 2018 Jun;17(2):e369-e379. doi: 10.1016/j.clcc.2018.02.006. Epub 2018 Feb 22.

BIABooster: Online DNA Concentration and Size Profiling with a Limit of Detection of 10 fg/L and Application to High-Sensitivity Characterization of Circulating Cell-Free DNA. Andriamanampisoa CL, Bancaud A, Boutonnet-Rodat A, Didelot A, Fabre J, Fina F, Garlan F, Garrigou S, Gaudy C, Ginot F, Henaff D, Laurent-Puig P, Morin A, Picot V, Saias L, Taly V, Tomasini P, Zaanan A. Anal Chem. 2018 Mar 20;90(6):3766-3774. doi: 10.1021/acs.analchem.7b04034. Epub 2018 Mar 9.

RAS mutation analysis in circulating tumor DNA from patients with metastatic colorectal cancer: the AGEORASANC prospective multicenter study. Bachet JB, Bouché O, Taieb J, Dubreuil O, Garcia ML, Meurisse A, Normand C, Gornet JM, Artru P, Louafi S, Bonnetain F, Thiot-Bidault A, Baumgaertner I, Coriat R, Tougeron D, Lecomte T, Mary F, Aparicio T, Marthey L, Taly V, Blons H, Vernerey D, **Laurent-Puig P**. Ann Oncol. 2018 May 1;29(5):1211-1219. doi: 10.1093/annonc/mdy061.

Phase III randomized trial comparing 5-fluorouracil and oxaliplatin with or without docetaxel in first-line advanced gastric cancer chemotherapy (GASTFOX study). Zaanan A, Samalin E, Aparicio T, Bouche O, Laurent-Puig P, Manfredi S, Michel P, Monteryard C, Moreau M, Rougier P, Tougeron D, Taieb J, Louvet C. Dig Liver Dis. 2018 Apr;50(4):408-410. doi: 10.1016/j.dld.2018.01.119. Epub 2018 Mar 1.

RAS mutation testing in patients with metastatic colorectal cancer in French clinical practice: A status report in 2014. Lièvre A, Merlin JL, Sabourin JC, Artru P, Tong S, Libert L, Audhuy F, Gicquel C, Moureau-Zabotto L, Ossendza RA, Laurent-Puig P, Ducreux M. Dig Liver Dis. 2018 May;50(5):507-512. doi: 10.1016/j.dld.2017.12.029. Epub 2018 Jan 8.

Targeting c-MET in gastrointestinal tumours: rationale, opportunities and challenges. Bradley CA, Salto-Tellez M, Laurent-Puig P, Bardelli A, Rolfo C, Tabernero J, Khawaja HA, Lawler M, Johnston PG, Van Schaeybroeck S; MErCuRIC consortium. Nat Rev Clin Oncol. 2018 Jan 23;15(3):150. doi: 10.1038/nrclinonc.2018.13. [Epub ahead of print]

Association between miR-31-3p expression and cetuximab efficacy in patients with KRAS wild-type metastatic colorectal cancer: a post-hoc analysis of the New EPOC trial. Pugh S, Thiébaud R, Bridgewater J, Grisoni ML, Moutasim K, Rousseau F, Thomas GJ, Griffiths G, Liebaert F, Primrose J, **Laurent-Puig P**. *Oncotarget*. 2017 Sep 27;8(55):93856-93866. doi: 10.18632/oncotarget.21291. eCollection 2017 Nov 7.

Association of Prognostic Value of Primary Tumor Location in Stage III Colon Cancer With RAS and BRAF Mutational Status. Taieb J, Kourie HR, Emile JF, Le Malicot K, Balogoun R, Tabernero J, Mini E, Folprecht G, Van Laethem JL, Mulot C, Bouché O, Aparicio T, Michel P, Thaler J, Bridgewater J, Van Cutsem E, Perkins G, Lepage C, Salazar R, Laurent-Puig P; Pan-European Trials in Alimentary Tract Cancer (PETACC)-8 Investigators. *JAMA Oncol*. 2018 Jul 12;4(7):e173695. doi: 10.1001/jamaoncol.2017.3695. Epub 2018 Jul 12.

Droplet-based digital PCR and next generation sequencing for monitoring circulating tumor DNA: a cancer diagnostic perspective. Postel M, Roosen A, Laurent-Puig P, Taly V, Wang-Renault SF. *Expert Rev Mol Diagn*. 2018 Jan;18(1):7-17. doi: 10.1080/14737159.2018.1400384. Epub 2017 Nov 13. Review.

Mutational Diversity of Lung Cancer and Associated Lymph Nodes. An Exploratory Prospective Study of 4 Resected cIIIA-N2. Legras A, Roussel H, Mangiameli G, Arame A, Grand B, Pricopi C, Badia A, Gibault L, Badoual C, Fabre E, Laurent-Puig P, Blons H, Le Pimpec-Barthes F. *Pathol Oncol Res*. 2019 Jan;25(1):319-325. doi: 10.1007/s12253-017-0352-x. Epub 2017 Nov 6.

[Lynch syndrome and endometrial cancer]. Bats AS, Rossi L, Le Frere-Belda MA, Narjoz C, Cournou C, Gosset M, Ngo C, Delomenie M, Nos C, Blons H, Laurent-Puig P, Lecuru F. *Bull Cancer*. 2017 Dec;104(12):1013-1021. doi: 10.1016/j.bulcan.2017.06.018. Epub 2017 Oct 21. Review. French.

An architecture for genomics analysis in a clinical setting using Galaxy and Docker. Digan W, Countouris H, Barritault M, Baudoin D, Laurent-Puig P, Blons H, Burgun A, Rance B. *Gigascience*. 2017 Nov 1;6(11):1-9. doi: 10.1093/gigascience/gix099.

Role of Deficient DNA Mismatch Repair Status in Patients With Stage III Colon Cancer Treated With FOLFOX Adjuvant Chemotherapy: A Pooled Analysis From 2 Randomized Clinical Trials. Zaanen A, Shi Q, Taieb J, Alberts SR, Meyers JP, Smyrk TC, Julie C, Zawadi A, Tabernero J, Mini E, Goldberg RM, Folprecht G, Van Laethem JL, Le Malicot K, Sargent DJ, Laurent-Puig P, Sinicrope FA. *JAMA Oncol*. 2018 Mar 1;4(3):379-383. doi: 10.1001/jamaoncol.2017.2899.

The Balance Between Cytotoxic T-cell Lymphocytes and Immune Checkpoint Expression in the Prognosis of Colon Tumors. 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 JH, Parc Y, Boige V, Lepage C, André T, Fléjou JF, Dérange V, Ghiringhelli F, de Reynies A, Duval A. *J Natl Cancer Inst*. 2018 Jan 1;110(1). doi: 10.1093/jnci/djx136.

A comprehensive characterization of the impact of mycophenolic acid on the metabolism of Jurkat T cells. Fernández-Ramos AA, Marchetti-Laurent C, Poindessous V, Antonio S, Petitgas C, Ceballos-Picot I, Laurent-Puig P, Bortoli S, Lorient MA, Pallet N. *Sci Rep*. 2017 Sep 5;7(1):10550. doi: 10.1038/s41598-017-10338-6.

Epithelial-to-Mesenchymal Transition and MicroRNAs in Lung Cancer. Legras A, Pécuchet N, Imbeaud S, Pallier K, Didelot A, Roussel H, Gibault L, Fabre E, Le Pimpec-Barthes F, Laurent-Puig P, Blons H. *Cancers (Basel)*. 2017 Aug 3;9(8). pii: E101. doi: 10.3390/cancers9080101. Review.

Prospective validation of a lymphocyte infiltration prognostic test in stage III colon cancer patients treated with adjuvant FOLFOX. Emile JF, Julié C, Le Malicot K, Lepage C, Tabernero J, Mini E, Folprecht G, Van Laethem JL, Dimet S, Boulagnon-Rombi C, Allard MA, Penault-Llorca F, Bennouna J, Laurent-Puig P, Taieb J; PETACC8 Study Investigators; Austrian Breast and Colorectal cancer Study Group (ABCSCG); Belgian Group of Digestive Oncology (BGDO); Lone Nørgård Petersen; Fédération Francophone de Cancérologie Digestive (FFCD); Fédération Nationale des Centres de Lutte Contre le Cancer (UNICANCER); Fédération Nationale des Centres de Lutte Contre le Cancer Association Européenne de Recherche en Oncologie (AERO); Arbeitsgemeinschaft Internistische Onkologie (AIO); Gruppo Italiano per lo Studio dei Carcinomi

dell'Apparato Digerente (GISCAD); Gruppo Oncologico dell'Italia Meridionale (GOIM); Istituto Oncologico Romagnolo (IOR); Gruppo Cooperativo Chirurgico Italiano (GOCCI); Gruppo Oncologico Nord Ovest (GONO); Gruppo Oncologico Italiano di Ricerca Clinica (GOIRC); Gruppo Cooperativo do Cancro Digestivo da Associação Portuguesa de Investigação Oncológica (GCCD, APIO); Grupo Español para el Tratamiento de los Tumores Digestivos (TTD); John Allen Bridgewater. *Eur J Cancer*. 2017 Sep;82:16-24. doi: 10.1016/j.ejca.2017.04.025. Epub 2017 Jun 23.

Early Evaluation of Circulating Tumor DNA as Marker of Therapeutic Efficacy in Metastatic Colorectal Cancer Patients (PLACOL Study). Garlan F, Laurent-Puig P, Sefrioui D, Siauve N, Didelot A, Sarafan-Vasseur N, Michel P, Perkins G, Mulot C, Blons H, Taieb J, Di Fiore F, Taly V, Zaanen A. *Clin Cancer Res*. 2017 Sep 15;23(18):5416-5425. doi: 10.1158/1078-0432.CCR-16-3155. Epub 2017 Jun 2.

6-mercaptopurine promotes energetic failure in proliferating T cells. Fernández-Ramos AA, Marchetti-Laurent C, Poindessous V, Antonio S, Laurent-Puig P, Bortoli S, Lorient MA, Pallet N. *Oncotarget*. 2017 Jun 27;8(26):43048-43060. doi: 10.18632/oncotarget.17889.

Circulating Tumor DNA Measurement by Picoliter Droplet-Based Digital PCR and Vemurafenib Plasma Concentrations in Patients with Advanced BRAF-Mutated Melanoma. Garlan F, Blanchet B, Kramkimel N, Puzskiel A, Golmard JL, Noe G, Dupin N, Laurent-Puig P, Vidal M, Taly V, Thomas-Schoemann A. *Target Oncol*. 2017 Jun;12(3):365-371. doi: 10.1007/s11523-017-0491-8.

Clinicopathologic Characteristics of Endometrial Cancer in Lynch Syndrome: A French Multicenter Study. Rossi L, Le Frere-Belda MA, Laurent-Puig P, Buecher B, De Pauw A, Stoppa-Lyonnet D, Canlorbe G, Caron O, Borghese B, Colas C, Delhomelle H, Chabbert-Buffet N, Grandjouan S, Lecuru F, Bats AS. *Int J Gynecol Cancer*. 2017 Jun;27(5):953-960. doi: 10.1097/IGC.0000000000000985.

Composite biomarkers defined by multiparametric immunofluorescence analysis identify ALK-positive adenocarcinoma as a potential target for immunotherapy. Roussel H, De Guillebon E, Biard L, Mandavit M, Gibault L, Fabre E, Antoine M, Hofman P, Beau-Faller M, Blons H, Danel C, Barthes FLP, Gey A, Granier C, Wislez M, Laurent-Puig P, Oudard S, Bruneval P, Badoual C, Cadranet J, Tartour E. *Oncoimmunology*. 2017 Feb 21;6(4):e1286437. doi: 10.1080/2162402X.2017.1286437. eCollection 2017.

3rd St. Gallen EORTC Gastrointestinal Cancer Conference: Consensus recommendations on controversial issues in the primary treatment of pancreatic cancer. Lutz MP, Zalberg JR, Ducreux M, Aust D, Bruno MJ, Büchler MW, Delpero JR, Gloor B, Glynne-Jones R, Hartwig W, Huguet F, Laurent-Puig P, Lordick F, Maisonneuve P, Mayerle J, Martignoni M, Neoptolemos J, Rhim AD, Schmied BM, Seufferlein T, Werner J, van Laethem JL, Otto F. *Eur J Cancer*. 2017 Jul;79:41-49. doi: 10.1016/j.ejca.2017.03.022. Epub 2017 Apr 29.

Subgroups and prognostication in stage III colon cancer: future perspectives for adjuvant therapy. Auclin E, Zaanen A, Vernerey D, Douard R, Gallois C, Laurent-Puig P, Bonnetain F, Taieb J. *Ann Oncol*. 2017 May 1;28(5):958-968. doi: 10.1093/annonc/mdx030. Review.

Erratum to: Partnering with patients in translational oncology research: ethical approach. Mamzer MF, Duchange N, Darquy S, Marvanne P, Rambaud C, Marsico G, Cerisey C, Scotté F, Burgun A, Badoual C, Laurent-Puig P, Hervé C. *J Transl Med*. 2017 Apr 23;15(1):80. doi: 10.1186/s12967-017-1181-0. No abstract available.

Molecular classification of pulmonary sarcomatoid carcinomas suggests new therapeutic opportunities. Pécuchet N, Vieira T, Rabbe N, Antoine M, Blons H, Cadranet J, Laurent-Puig P, Wislez M. *Ann Oncol*. 2017 Jul 1;28(7):1597-1604. doi: 10.1093/annonc/mdx162.

Women Epidemiology Lung Cancer (WELCA) study: reproductive, hormonal, occupational risk factors and biobank. Stücker I, Martin D, Neri M, Laurent-Puig P, Blons H, Antoine M, Guiochon-Mantel A, Brailly-Tabard S, Canonico M, Wislez M, Trédaniel J; WELCA study group. *BMC Public Health*. 2017 Apr 17;17(1):324. doi: 10.1186/s12889-017-4191-1.

Partnering with patients in translational oncology research: ethical approach. Mamzer MF, Duchange N, Darquy S, Marvanne P, Rambaud C, Marsico G, Cerisey C, Scotté F, Burgun A, Badoual C, Laurent-Puig P, Hervé C. *J Transl Med.* 2017 Apr 8;15(1):74. doi: 10.1186/s12967-017-1177-9. Erratum in: *J Transl Med.* 2017 Apr 23;15(1):80.

Targeting c-MET in gastrointestinal tumours: rationale, opportunities and challenges. Bradley CA, Salto-Tellez M, Laurent-Puig P, Bardelli A, Rolfo C, Tabernero J, Khawaja HA, Lawler M, Johnston PG, Van Schaeybroeck S; MErCuRIC consortium. *Nat Rev Clin Oncol.* 2017 Sep;14(9):562-576. doi: 10.1038/nrclinonc.2017.40. Epub 2017 Apr 4. Review. Erratum in: *Nat Rev Clin Oncol.* 2018 Jan 23;.

CDX2 prognostic value in stage II/III resected colon cancer is related to CMS classification. Pilati C, Taieb J, Balogoun R, Marisa L, de Reyniès A, **Laurent-Puig P.** *Ann Oncol.* 2017 May 1;28(5):1032-1035. doi: 10.1093/annonc/mdx066.

Molecular Tumor Boards: Ethical Issues in the New Era of Data Medicine. Stoeklé HC, Mamzer-Bruneel MF, Frouart CH, Le Tourneau C, Laurent-Puig P, Vogt G, Hervé C. *Sci Eng Ethics.* 2018 Feb;24(1):307-322. doi: 10.1007/s11948-017-9880-8. Epub 2017 Mar 9.

Mutational signature analysis identifies MUTYH deficiency in colorectal cancers and adrenocortical carcinomas. Pilati C, Shinde J, Alexandrov LB, Assié G, André T, Hélias-Rodzewicz Z, Ducoudray R, Le Corre D, Zucman-Rossi J, Emile JF, Bertherat J, Letouze E, **Laurent-Puig P.** *J Pathol.* 2017 May;242(1):10-15. doi: 10.1002/path.4880. Epub 2017 Mar 29.

Prognostic Value of BRAF and KRAS Mutations in MSI and MSS Stage III Colon Cancer. Taieb J, Le Malicot K, Shi Q, Penault-Llorca F, Bouché O, Tabernero J, Mini E, Goldberg RM, Folprecht G, Luc Van Laethem J, Sargent DJ, Alberts SR, Emile JF, Laurent Puig P, Sinicrope FA. *J Natl Cancer Inst.* 2016 Dec 31;109(5). doi: 10.1093/jnci/djw272. Print 2017 May.

Adjuvant FOLFOX +/- cetuximab in full RAS and BRAF wildtype stage III colon cancer patients. Taieb J, Balogoun R, Le Malicot K, Tabernero J, Mini E, Folprecht G, Van Laethem JL, Emile JF, Mulot C, Fratté S, Levaché CB, Saban-Roche L, Thaler J, Petersen LN, Bridgewater J, Perkins G, Lepage C, Van Cutsem E, Zaanan A, Laurent-Puig P; PETACC8 Investigators. *Ann Oncol.* 2017 Apr 1;28(4):824-830. doi: 10.1093/annonc/mdw687.

Base-Position Error Rate Analysis of Next-Generation Sequencing Applied to Circulating Tumor DNA in Non-Small Cell Lung Cancer: A Prospective Study. Pécuchet N, Zonta E, Didelot A, Combe P, Thibault C, Gibault L, Lours C, Rozenholc Y, Taly V, Laurent-Puig P, Blons H, Fabre E. *PLoS Med.* 2016 Dec 27;13(12):e1002199. doi: 10.1371/journal.pmed.1002199. eCollection 2016 Dec.

Plasma Circulating Tumor DNA in Pancreatic Cancer Patients Is a Prognostic Marker. Pietrasz D, Pécuchet N, Garlan F, Didelot A, Dubreuil O, Doat S, Imbert-Bismut F, Karoui M, Vaillant JC, Taly V, Laurent-Puig P, Bachet JB. *Clin Cancer Res.* 2017 Jan 1;23(1):116-123. doi: 10.1158/1078-0432.CCR-16-0806. Epub 2016 Dec 19.

Erratum to: Estimating the population abundance of tissue-infiltrating immune and stromal cell populations using gene expression. Becht E, Giraldo NA, Lacroix L, Buttard B, Elarouci N, Petitprez F, Selves J, Laurent-Puig P, Sautès-Fridman C, Fridman WH, de Reyniès A. *Genome Biol.* 2016 Dec 1;17(1):249. No abstract available.

Analysis of Base-Position Error Rate of Next-Generation Sequencing to Detect Tumor Mutations in Circulating DNA. Pécuchet N, Rozenholc Y, Zonta E, Pietrasz D, Didelot A, Combe P, Gibault L, Bachet JB, Taly V, Fabre E, Blons H, **Laurent-Puig P.** *Clin Chem.* 2016 Nov;62(11):1492-1503. Epub 2016 Sep 13.

Estimating the population abundance of tissue-infiltrating immune and stromal cell populations using gene expression. Becht E, Giraldo NA, Lacroix L, Buttard B, Elarouci N, Petitprez F, Selves J, Laurent-Puig P, Sautès-Fridman C, Fridman WH, de Reyniès A. *Genome Biol.* 2016 Oct 20;17(1):218. Erratum in: *Genome Biol.* 2016 Dec 1;17 (1):249.

BCL-2 system analysis identifies high-risk colorectal cancer patients. Lindner AU, Salvucci M, Morgan C, Monsefi N, Resler AJ, Cremona M, Curry S, Toomey S, O'Byrne R, Bacon O, Stühler M, Flanagan L, Wilson R, Johnston PG, Salto-Tellez M, Camilleri-Broët S, McNamara DA, Kay EW, Hennessy BT, Laurent-Puig P, Van Schaeybroeck S, Prehn JHM. *Gut.* 2017

Dec;66(12):2141-2148. doi: 10.1136/gutjnl-2016-312287. Epub 2016 Sep 23.

A Stepwise Integrated Approach to Personalized Risk Predictions in Stage III Colorectal Cancer. Salvucci M, Würstle ML, Morgan C, Curry S, Cremona M, Lindner AU, Bacon O, Resler AJ, Murphy ÁC, O'Byrne R, Flanagan L, Dasgupta S, Rice N, Pilati C, Zink E, Schöller LM, Toomey S, Lawler M, Johnston PG, Wilson R, Camilleri-Broët S, Salto-Tellez M, McNamara DA, Kay EW, Laurent-Puig P, Van Schaeybroeck S, Hennessy BT, Longley DB, Rehm M, Prehn JH. Clin Cancer Res. 2017 Mar 1;23(5):1200-1212. doi: 10.1158/1078-0432.CCR-16-1084. Epub 2016 Sep 20.

Predictive Modeling of Tacrolimus Dose Requirement Based on High-Throughput Genetic Screening. Damon C, Luck M, Toullec L, Etienne I, Buchler M, Hurault de Ligny B, Choukroun G, Thierry A, Vigneau C, Moulin B, Heng AE, Subra JF, Legendre C, Monnot A, Yartseva A, Bateson M, Laurent-Puig P, Anglicheau D, Beaune P, Lorient MA, Thervet E, Pallet N. Am J Transplant. 2017 Apr;17(4):1008-1019. doi: 10.1111/ajt.14040. Epub 2016 Oct 7.

Integrating Heterogeneous Biomedical Data for Cancer Research: the CARPEM infrastructure. Rance B, Canuel V, Countouris H, Laurent-Puig P, Burgun A. Appl Clin Inform. 2016 May 4;7(2):260-74.

Urinary Angiogenin Reflects the Magnitude of Kidney Injury at the Infrahistologic Level. Tavernier Q, Mami I, Rabant M, Karras A, Laurent-Puig P, Chevet E, Thervet E, Anglicheau D, Pallet N. J Am Soc Nephrol. 2016 Jul 19. pii: ASN.2016020218. [Epub ahead of print]

Multiplex Detection of Rare Mutations by PicoLiter Droplet Based Digital PCR: Sensitivity and Specificity Considerations. Zonta E, Garlan F, Pécuchet N, Perez-Toralla K, Caen O, Milbury C, Didelot A, Fabre E, Blons H, Laurent-Puig P, Taly V. PLoS One. 2016 Jul 14;11(7):e0159094.

ESMO consensus guidelines for the management of patients with metastatic colorectal cancer. Van Cutsem E, Cervantes A, Adam R, Sobrero A, Van Krieken JH, Aderka D, Aranda Aguilar E, Bardelli A, Benson A, Bodoky G, Ciardiello F, D'Hoore A, Diaz-Rubio E, Douillard JY, Ducreux M, Falcone A, Grothey A, Gruenberger T, Haustermans K, Heinemann V, Hoff P, Köhne CH, Labianca R, Laurent-Puig P, Ma B, Maughan T, Muro K, Normanno N, Österlund P, Oyen WJ, Papamichael D, Pentheroudakis G, Pfeiffer P, Price TJ, Punt C, Ricke J, Roth A, Salazar R, Scheithauer W, Schmoll HJ, Tabernero J, Taïeb J, Tejpar S, Wasan H, Yoshino T, Zaanen A, Arnold D. Ann Oncol. 2016 Aug;27(8):1386-422.

Intra-tumoral Immune Cell Densities are Associated with Lung Adenocarcinoma Gene Alterations. Mansuet-Lupo A, Alifano M, Pécuchet N, Biton J, Becht E, Goc J, Germain C, Ouakrim H, Régnard JF, Cremer I, Laurent-Puig P, Dieu-Nosjean MC, Blons H, Damotte D. Am J Respir Crit Care Med. 2016 Jun 14. [Epub ahead of print]

Women at a Disadvantage in Fluorouracil Treatment-Reply. Boige V, Vincent M, **Laurent-Puig P**. JAMA Oncol. 2016 Jun 1;2(6):830-1.

A Study of Hypermethylated Circulating Tumor DNA as a Universal Colorectal Cancer Biomarker. Garrigou S, Perkins G, Garlan F, Normand C, Didelot A, Le Corre D, Peyvandi S, Mulot C, Niarra R, Aucouturier P, Chatellier G, Nizard P, Perez-Toralla K, Zonta E, Charpy C, Pujals A, Barau C, Bouché O, Emile JF, Pezet D, Bibeau F, Hutchison JB, Link DR, Zaanen A, Laurent-Puig P, Sobhani I, Taly V. Clin Chem. 2016 Aug;62(8):1129-39.

Immune and Stromal Classification of Colorectal Cancer Is Associated with Molecular Subtypes and Relevant for Precision Immunotherapy. Becht E, de Reyniès A, Giraldo NA, Pilati C, Buttard B, Lacroix L, Selves J, Sautès-Fridman C, Laurent-Puig P, Fridman WH. Clin Cancer Res. 2016 Aug 15;22(16):4057-66.

Fine-mapping of two differentiated thyroid carcinoma susceptibility loci at 9q22.33 and 14q13.3 detects novel candidate functional SNPs in Europeans from metropolitan France and Melanesians from New Caledonia. Tcheandjie C, Lesueur F, Sanchez M, Baron-Dubourdieu D, Guizard AV, Mulot C, Laurent-Puig P, Schvartz C, Truong T, Guenel P. Int J Cancer. 2016 Aug 1;139(3):617-27.

Integrative Analyses of Colorectal Cancer Show Immunoscore Is a Stronger Predictor of Patient Survival Than Microsatellite



Instability. Mlecnik B, Bindea G, Angell HK, Maby P, Angelova M, Tougeron D, Church SE, Lafontaine L, Fischer M, Fredriksen T, Sasso M, Bilocq AM, Kirilovsky A, Obenauf AC, Hamieh M, Berger A, Bruneval P, Tuech JJ, Sabourin JC, Le Pessot F, Mauillon J, Rafii A, Laurent-Puig P, Speicher MR, Trajanoski Z, Michel P, Sesboüe R, Frebourg T, Pagès F, Valge-Archer V, Latouche JB, Galon J. *Immunity*. 2016 Mar 15;44(3):698-711.

Immune Contexture, Immunoscore, and Malignant Cell Molecular Subgroups for Prognostic and Theranostic Classifications of Cancers. Becht E, Giraldo NA, Germain C, de Reyniès A, Laurent-Puig P, Zucman-Rossi J, Dieu-Nosjean MC, Sautès-Fridman C, Fridman WH. *Adv Immunol*. 2016;130:95-190. doi: 10.1016/bs.ai.2015.12.002. Epub 2016 Jan 29.

A Novel Extrinsic Pathway for the Unfolded Protein Response in the Kidney. Mami I, Tavernier Q, Bouvier N, Aboukamis R, Desbuissons G, Rabant M, Poindessous V, Laurent-Puig P, Beaune P, Tharaux PL, Thervet E, Chevet E, Anglicheau D, Pallet N. *J Am Soc Nephrol*. 2016 Jan 28. pii: ASN.2015060703. [Epub ahead of print]

[Lung cancer molecular testing, what role for Next Generation Sequencing and circulating tumor DNA]. Pécuchet N, Legras A, Laurent-Puig P, Blons H. *Ann Pathol*. 2016 Jan;36(1):80-93. doi: 10.1016/j.annpat.2015.11.012. Epub 2016 Jan 20. French.

DPYD Genotyping to Predict Adverse Events Following Treatment With Fluorouracil-Based Adjuvant Chemotherapy in Patients With Stage III Colon Cancer: A Secondary Analysis of the PETACC-8 Randomized Clinical Trial. Boige V, Vincent M, Alexandre P, Tejpar S, Landolfi S, Le Malicot K, Greil R, Cuyle PJ, Yilmaz M, Faroux R, Matzdorff A, Salazar R, Lepage C, Taieb J, **Laurent-Puig P**. *JAMA Oncol*. 2016 Jan 21.

[What future for circulating tumor DNA? Current data and prospects in colorectal, non-small cell lung and pancreatic cancers]. Pietrasz D, Pécuchet N, Fabre E, Blons H, Chevalier L, Taly V, Laurent-Puig P, Bachet JB. *Bull Cancer*. 2016 Jan;103(1):55-65.

Prognostic Effect of BRAF and KRAS Mutations in Patients With Stage III Colon Cancer Treated With Leucovorin, Fluorouracil, and Oxaliplatin With or Without Cetuximab: A Post Hoc Analysis of the PETACC-8 Trial. Taieb J, Zaanani A, Le Malicot K, Julié C, Blons H, Mineur L, Bennouna J, Tabernero J, Mini E, Folprecht G, Van Laethem JL, Lepage C, Emile JF, **Laurent-Puig P**. *JAMA Oncol*. 2016 Jan 14:1-11.

Three Rounds of External Quality Assessment in France to Evaluate the Performance of 28 Platforms for Multiparametric Molecular Testing in Metastatic Colorectal and Non-Small Cell Lung Cancer. Dequeker EM, Keppens C, Egele C, Delen S, Lamy A, Lemoine A, Sabourin JC, Andrieu C, Ligtenberg M, Fetique D, Tops B, Descarpentries C, Blons H, Denoux Y, Aube C, Penault-Llorca F, Hofman P, Leroy K, Le Marechal C, Doucet L, Duranton-Tanneur V, Pedetour F, Soubeyran I, Côté JF, Emile JF, Vignaud JM, Monhoven N, Haddad V, Laurent-Puig P, van Krieken H, Nowak F, Lonchamp E, Bellocq JP, Rouleau E. *J Mol Diagn*. 2016 Mar;18(2):205-14.

Methylator phenotype in colorectal cancer: A prognostic factor or not? Gallois C, Laurent-Puig P, Taieb J. *Crit Rev Oncol Hematol*. 2016 Mar;99:74-80. Review.

Different prognostic impact of STK11 mutations in non-squamous non-small-cell lung cancer. Pécuchet N, Laurent-Puig P, Mansuet-Lupo A, Legras A, Alifano M, Pallier K, Didelot A, Gibault L, Danel C, Just PA, Riquet M, Le Pimpec-Barthes F, Damotte D, Fabre E, Blons H. *Oncotarget*. 2015 Nov 25. doi: 10.18632/oncotarget.6379. [Epub ahead of print]

Prognostic and theranostic impact of molecular subtypes and immune classifications in renal cell cancer (RCC) and colorectal cancer (CRC). Becht E, Giraldo NA, Beuselinck B, Job S, Marisa L, Vano Y, Oudard S, Zucman-Rossi J, Laurent-Puig P, Sautès-Fridman C, de Reyniès A, Fridman WH. *Oncoimmunology*. 2015 Aug 7;4(12):e1049804. eCollection 2015 Dec.

Advanced small bowel adenocarcinoma: Molecular characteristics and therapeutic perspectives. Zaaïmi Y, Aparicio T, Laurent-Puig P, Taieb J, Zaanani A. *Clin Res Hepatol Gastroenterol*. 2016 Apr;40(2):154-60.

Chemotherapy-induced antitumor immunity requires formyl peptide receptor 1. Vacchelli E, Ma Y, Baracco EE, Sistigu A, Enot DP, Pietrocola F, Yang H, Adjemian S, Chaba K, Semeraro M, Signore M, De Nino A, Lucarini V, Peschiaroli F, Businaro L,

Gerardino A, Manic G, Ulas T, Günther P, Schultze JL, Kepp O, Stoll G, Lefebvre C, Mulot C, Castoldi F, Rusakiewicz S, Ladoire S, Apetoh L, Bravo-San Pedro JM, Lucattelli M, Delarasse C, Boige V, Ducreux M, Delaloge S, Borg C, André F, Schiavoni G, Vitale I, Laurent-Puig P, Mattei F, Zitvogel L, Kroemer G. *Science*. 2015 Nov 20;350(6263):972-8.

The consensus molecular subtypes of colorectal cancer. Guinney J, Dienstmann R, Wang X, de Reyniès A, Schlicker A, Soneson C, Marisa L, Roepman P, Nyamundanda G, Angelino P, Bot BM, Morris JS, Simon IM, Gerster S, Fessler E, De Sousa E Melo F, Missiaglia E, Ramay H, Barras D, Homicsko K, Maru D, Manyam GC, Broom B, Boige V, Perez-Villamil B, Laderas T, Salazar R, Gray JW, Hanahan D, Tabernero J, Bernards R, Friend SH, Laurent-Puig P, Medema JP, Sadanandam A, Wessels L, Delorenzi M, Kopetz S, Vermeulen L, Tejpar S. *Nat Med*. 2015 Nov;21(11):1350-6.

Why and how immunohistochemistry should now be used to screen for the BRAFV600E status in metastatic melanoma? The experience of a single institution (LCEP, Nice, France). Long E, Ilie M, Lassalle S, Butori C, Poissonnet G, Washetine K, Mouroux J, Lespinet V, Lacour JP, Taly V, Laurent-Puig P, Bahadoran P, Hofman V, Hofman P. *J Eur Acad Dermatol Venereol*. 2015 Dec;29(12):2436-43. doi: 10.1111/jdv.13332. Epub 2015 Sep 16.

[Colorectal cancer biology]. Perkins G, **Laurent-Puig P**. *Rev Prat*. 2015 Jun;65(6):802-6. French.

Angiogenin Mediates Cell-Autonomous Translational Control under Endoplasmic Reticulum Stress and Attenuates Kidney Injury. Mami I, Bouvier N, El Karoui K, Gallazzini M, Rabant M, Laurent-Puig P, Li S, Tharaux PL, Beaune P, Thervet E, Chevet E, Hu GF, Pallet N. *J Am Soc Nephrol*. 2016 Mar;27(3):863-76.

Expression of pEGFR and pAKT as response-predictive biomarkers for RAS wild-type patients to anti-EGFR monoclonal antibodies in metastatic colorectal cancers. Harlé A, Salleron J, Perkins G, Pilati C, Blons H, Laurent-Puig P, Merlin JL. *Br J Cancer*. 2015 Aug 11;113(4):680-5.

STRATEGIC-1: A multiple-lines, randomized, open-label GERCOR phase III study in patients with unresectable wild-type RAS metastatic colorectal cancer. Chibaudel B, Bonnetain F, Tournigand C, de Larauze MH, de Gramont A, Laurent-Puig P, Paget J, Hadengue A, Notelet D, Benetkiewicz M, André T, de Gramont A. *BMC Cancer*. 2015 Jul 4;15:496.

No clinical utility of KRAS variant rs61764370 for ovarian or breast cancer. Ovarian Cancer Association Consortium, Breast Cancer Association Consortium, and Consortium of Modifiers of BRCA1 and BRCA2, Hollestelle A, van der Baan FH, Berchuck A, Johnatty SE, Aben KK, Agnarsson BA, Aittomäki K, Alducci E, Andrulis IL, Anton-Culver H, Antonenkova NN, Antoniou AC, Apicella C, Arndt V, Arnold N, Arun BK, Arver B, Ashworth A; Australian Ovarian Cancer Study Group, Baglietto L, Balleine R, Bandera EV, Barrowdale D, Bean YT, Beckmann L, Beckmann MW, Benitez J, Berger A, Berger R, Beuselinck B, Bisogna M, Bjorge L, Blomqvist C, Bogdanova NV, Bojesen A, Bojesen SE, Bolla MK, Bonanni B, Brand JS, Brauch H; Breast Cancer Family Register, Brenner H, Brinton L, Brooks-Wilson A, Bruinsma F, Brunet J, Brüning T, Budzylowska A, Bunker CH, Burwinkel B, Butzow R, Buys SS, Caligo MA, Campbell I, Carter J, Chang-Claude J, Chanock SJ, Claes KB, Collée JM, Cook LS, Couch FJ, Cox A, Cramer D, Cross SS, Cunningham JM, Cybulski C, Czene K, Damiola F, Dansonka-Mieszkowska A, Darabi H, de la Hoya M, deFazio A, Dennis J, Devilee P, Dicks EM, Diez O, Doherty JA, Domchek SM, Dorfling CM, Dörk T, Silva Idos S, du Bois A, Dumont M, Dunning AM, Duran M, Easton DF, Eccles D, Edwards RP, Ehrencrona H, Ejlersen B, Ekici AB, Ellis SD; EMBRACE, Engel C, Eriksson M, Fasching PA, Feliubadalo L, Figueroa J, Flesch-Janys D, Fletcher O, Fontaine A, Fortuzzi S, Fostira F, Fridley BL, Friebel T, Friedman E, Friel G, Frost D, Garber J, García-Closas M, Gayther SA; GEMO Study Collaborators; GENICA Network, Gentry-Maharaj A, Gerdes AM, Giles GG, Glasspool R, Glendon G, Godwin AK, Goodman MT, Gore M, Greene MH, Grip M, Gronwald J, Gschwanter Kaulich D, Guénel P, Guzman SR, Haeberle L, Haiman CA, Hall P, Halverson SL, Hamann U, Hansen TV, Harter P, Hartikainen JM, Healey S; HEBON, Hein A, Heitz F, Henderson BE, Herzog J, T Hildebrandt MA, Høgdall CK, Høgdall E, Hogervorst FB, Hopper JL, Humphreys K, Huzarski T, Ilyanov EN, Isaacs C, Jakubowska A, Janavicius R, Jaworska K, Jensen A, Jensen UB, Johnson N, Jukkola-Vuorinen A, Kabisch M, Karlan BY, Kataja V, Kauff N; KConFab Investigators, Kelemen LE, Kerin MJ, Kiemenev LA, Kjaer SK, Knight JA, Knol-Bout JP, Konstantopoulou I, Kosma VM, Krakstad C, Kristensen V, Kuchenbaecker KB, Kupryjanczyk J, Laitman Y, Lambrechts D, Lambrechts S, Larson MC, Lasa A, Laurent-Puig P, Lazaro C, Le ND, Le Marchand L, Leminen A, Lester J, Levine DA, Li J, Liang D, Lindblom A, Lindor N, Lissowska J, Long J, Lu KH, Lubinski J, Lundvall L, Lurie G, Mai PL, Mannermaa A, Margolin S, Mariette F, Marme F, Martens JW, Massuger LF, Maugard C, Mazoyer S, McGuffog L, McGuire V, McLean C, McNeish I, Meindl A, Menegaux F, Menéndez P, Menkiszak J, Menon U,

Mensenkamp AR, Miller N, Milne RL, Modugno F, Montagna M, Moysich KB, Müller H, Mulligan AM, Muranen TA, Narod SA, Nathanson KL, Ness RB, Neuhausen SL, Nevanlinna H, Neven P, Nielsen FC, Nielsen SF, Nordestgaard BG, Nussbaum RL, Odunsi K, Offit K, Olah E, Olopade OI, Olson JE, Olson SH, Oosterwijk JC, Orlow I, Orr N, Orsulic S, Osorio A, Ottini L, Paul J, Pearce CL, Pedersen IS, Peissel B, Pejovic T, Pelttari LM, Perkins J, Permuth-Wey J, Peterlongo P, Peto J, Phelan CM, Phillips KA, Piedmonte M, Pike MC, Platte R, Plisiecka-Halasa J, Poole EM, Poppe B, Pylkäs K, Radice P, Ramus SJ, Rebbeck TR, Reed MW, Rennett G, Risch HA, Robson M, Rodriguez GC, Romero A, Rossing MA, Rothstein JH, Rudolph A, Runnebaum I, Salani R, Salvesen HB, Sawyer EJ, Schildkraut JM, Schmidt MK, Schmutzler RK, Schneeweiss A, Schoemaker MJ, Schrauder MG, Schumacher F, Schwaab I, Scuvera G, Sellers TA, Severi G, Seynaeve CM, Shah M, Shrubsole M, Siddiqui N, Sieh W, Simard J, Singer CF, Sinilnikova OM, Smeets D, Sohn C, Soller M, Song H, Soucy P, Southey MC, Stegmaier C, Stoppa-Lyonnet D, Sucheston L; SWE-BRCA, Swerdlow A, Tangen IL, Tea MK, Teixeira MR, Terry KL, Terry MB, Thomassen M, Thompson PJ, Tihomirova L, Tischkowitz M, Toland AE, Tollenaar RA, Tomlinson I, Torres D, Truong T, Tsimiklis H, Tung N, Tworoger SS, Tyrer JP, Vachon CM, Van 't Veer LJ, van Altena AM, Van Asperen CJ, van den Berg D, van den Ouweland AM, van Doorn HC, Van Nieuwenhuysen E, van Rensburg EJ, Vergote I, Verhoef S, Vierkant RA, Vijai J, Vitonis AF, von Wachenfeldt A, Walsh C, Wang Q, Wang-Gohrke S, Wappenschmidt B, Weischer M, Weitzel JN, Weltens C, Wentzensen N, Whittemore AS, Wilkens LR, Winqvist R, Wu AH, Wu X, Yang HP, Zaffaroni D, Pilar Zamora M, Zheng W, Ziogas A, Chenevix-Trench G, Pharoah PD, Rookus MA, Hoening MJ, Goode EL. *Gynecol Oncol.* 2016 May;141(2):386-401. Review.

Clinical relevance of 8q23, 15q13 and 18q21 SNP genotyping to evaluate colorectal cancer risk. Baert-Desurmont S, Charbonnier F, Houivet E, Ippolito L, Mauillon J, Bougeard M, Abadie C, Malka D, Duffour J, Desseigne F, Colas C, Pujol P, Lejeune S, Dugast C, Buecher B, Faivre L, Leroux D, Gesta P, Coupier I, Guimbaud R, Berthet P, Manouvrier S, Cauchin E, Prieur F, Laurent-Puig P, Lebrun M, Jonveaux P, Chiesa J, Caron O, Morin-Meschin ME, Polycarpe-Osaer F, Giraud S, Zaanen A, Bonnet D, Mansuy L, Bonadona V, El Chehadeh S, Duhoux F, Gauthier-Villars M, Saurin JC, Collonge-Rame MA, Brugières L, Wang Q, Bressac-de Paillerets B, Rey JM, Toulas C, Buisine MP, Bronner M, Sokolowska J, Hardouin A, Cailleux AF, Sebaoui H, Blot J, Tinat J, Benichou J, Frebourg T. *Eur J Hum Genet.* 2016 Jan;24(1):99-105.

[Digital PCR compartmentalization II. Contribution for the quantitative detection of circulating tumor DNA]. Caen O, Nizard P, Garrigou S, Perez-Toralla K, Zonta E, Laurent-Puig P, Taly V. *Med Sci (Paris).* 2015 Feb;31(2):180-6.

[Digital PCR compartmentalization I. Single-molecule detection of rare mutations]. Perez-Toralla K, Pekin D, Bartolo JF, Garlan F, Nizard P, Laurent-Puig P, Baret JC, Taly V. *Med Sci (Paris).* 2015 Jan;31(1):84-92.

PIK3CA mutations predict recurrence in localized microsatellite stable colon cancer. Manceau G, Marisa L, Boige V, Duval A, Gaub MP, Milano G, Selves J, Olschwang S, Jooste V, le Legrain M, Lecorre D, Guenot D, Etienne-Grimaldi MC, Kirzin S, Martin L, Lepage C, Bouvier AM, **Laurent-Puig P**. *Cancer Med.* 2015 Mar;4(3):371-82.

Development of a semi-conductor sequencing-based panel for genotyping of colon and lung cancer by the Onconetwork consortium. Tops BB, Normanno N, Kurth H, Amato E, Mafficini A, Rieber N, Le Corre D, Rachiglio AM, Reiman A, Sheils O, Noppen C, Lacroix L, Cree IA, Scarpa A, Ligtenberg MJ, **Laurent-Puig P**. *BMC Cancer.* 2015 Jan 31;15:26.

Impact of chromoscopy on adenoma detection in patients with Lynch syndrome: a prospective, multicenter, blinded, tandem colonoscopy study. Rahmi G, Lecomte T, Malka D, Maniere T, Le Rhun M, Guimbaud R, Lapalus MG, Le Sidaner A, Moussata D, Caron O, Barbieux JP, Gaudric M, Coron E, Barange K, Ponchon T, Sautereau D, Samaha E, Saurin JC, Chaussade S, Laurent-Puig P, Chatellier G, Cellier C. *Am J Gastroenterol.* 2015 Feb;110(2):288-98.

Optimising translational oncology in clinical practice: strategies to accelerate progress in drug development. Stahel R, Bogaerts J, Ciardiello F, de Ruyscher D, Dubsky P, Ducreux M, Finn S, Laurent-Puig P, Peters S, Piccart M, Smit E, Sotiriou C, Tejpar S, Van Cutsem E, Tabernero J. *Cancer Treat Rev.* 2015 Feb;41(2):129-35. Review.

MicroRNA related polymorphisms and breast cancer risk. Khan S, Greco D, Michailidou K, Milne RL, Muranen TA, Heikkinen T, Aaltonen K, Dennis J, Bolla MK, Liu J, Hall P, Irwanto A, Humphreys K, Li J, Czene K, Chang-Claude J, Hein R, Rudolph A, Seibold P, Flesch-Janys D, Fletcher O, Peto J, dos Santos Silva I, Johnson N, Gibson L, Aitken Z, Hopper JL, Tsimiklis H, Bui M, Makalic E, Schmidt DF, Southey MC, Apicella C, Stone J, Waisfisz Q, Meijers-Heijboer H, Adank MA, van der Luijt RB,

Meindl A, Schmutzler RK, Müller-Myhsok B, Lichtner P, Turnbull C, Rahman N, Chanock SJ, Hunter DJ, Cox A, Cross SS, Reed MW, Schmidt MK, Broeks A, Van't Veer LJ, Hogervorst FB, Fasching PA, Schrauder MG, Ekici AB, Beckmann MW, Bojesen SE, Nordestgaard BG, Nielsen SF, Flyger H, Benitez J, Zamora PM, Perez JL, Haiman CA, Henderson BE, Schumacher F, Le Marchand L, Pharoah PD, Dunning AM, Shah M, Luben R, Brown J, Couch FJ, Wang X, Vachon C, Olson JE, Lambrechts D, Moisse M, Paridaens R, Christiaens MR, Guénel P, Truong T, Laurent-Puig P, Mulot C, Marme F, Burwinkel B, Schneeweiss A, Sohn C, Sawyer EJ, Tomlinson I, Kerin MJ, Miller N, Andrulis IL, Knight JA, Tchatchou S, Mulligan AM, Dörk T, Bogdanova NV, Antonenkova NN, Anton-Culver H, Darabi H, Eriksson M, Garcia-Closas M, Figueroa J, Lissowska J, Brinton L, Devilee P, Tollenaar RA, Seynaeve C, van Asperen CJ, Kristensen VN; kConFab Investigators; Australian Ovarian Cancer Study Group, Slager S, Toland AE, Ambrosone CB, Yannoukakos D, Lindblom A, Margolin S, Radice P, Peterlongo P, Barile M, Mariani P, Hooning MJ, Martens JW, Collée JM, Jager A, Jakubowska A, Lubinski J, Jaworska-Bieniek K, Durda K, Giles GG, McLean C, Brauch H, Brüning T, Ko YD; GENICA Network, Brenner H, Dieffenbach AK, Arndt V, Stegmaier C, Swerdlow A, Ashworth A, Orr N, Jones M, Simard J, Goldberg MS, Labrèche F, Dumont M, Winqvist R, Pylkäs K, Jukkola-Vuorinen A, Grip M, Kataja V, Kosma VM, Hartikainen JM, Mannermaa A, Hamann U, Chenevix-Trench G, Blomqvist C, Aittomäki K, Easton DF, Nevanlinna H. *PLoS One*. 2014 Nov 12;9(11):e109973. doi: 10.1371/journal.pone.0109973. eCollection 2014.

Frequent intragenic rearrangements of DPYD in colorectal tumours. van Kuilenburg AB, Etienne-Grimaldi MC, Mahamat A, Meijer J, Laurent-Puig P, Olschwang S, Gaub MP, Hennekam RC, Benchimol D, Houry S, Letoublon C, Gilly FN, Pezet D, Andre T, Faucheron JL, Abderrahim-Ferkoune A, Vijzelaar R, Pradere B, Milano G. *Pharmacogenomics J*. 2015 Jun;15(3):211-8.

[Reply to « Why is it difficult to implement biomedical policy? The use of the Cancéropôles, the French cancer organizations », by Audrey Vézian, *Med Sci (Paris)* 2014 Aug-Sep; 30 (8-9) : 803-7]. Chabannon C, Bougnoux P, Favre G, Formstecher P, Laurent-Puig P, Oudet P, Trillet-Lenoir V. *Med Sci (Paris)*. 2014 Oct;30(10):925.

Prognostic value of KRAS mutations in stage III colon cancer: post hoc analysis of the PETACC8 phase III trial dataset. Blons H, Emile JF, Le Malicot K, Julié C, Zaanen A, Tabernero J, Mini E, Folprecht G, Van Laethem JL, Thaler J, Bridgewater J, Nørgård-Petersen L, Van Cutsem E, Lepage C, Zawadi MA, Salazar R, Laurent-Puig P, Taieb J; PETACC-8 Study Investigators. *Ann Oncol*. 2014 Dec;25(12):2378-85. Erratum in: *Ann Oncol*. 2015. Apr;26(4):822-5.

Clinical relevance of KRAS-mutated subclones detected with picodroplet digital PCR in advanced colorectal cancer treated with anti-EGFR therapy. Laurent-Puig P, Pekin D, Normand C, Kotsopoulos SK, Nizard P, Perez-Toralla K, Rowell R, Olson J, Srinivasan P, Le Corre D, Hor T, El Harrak Z, Li X, Link DR, Bouché O, Emile JF, Landi B, Boige V, Hutchison JB, Taly V. *Clin Cancer Res*. 2015 Mar 1;21(5):1087-97.

A let-7 microRNA-binding site polymorphism in KRAS predicts improved outcome in patients with metastatic colorectal cancer treated with salvage cetuximab/panitumumab monotherapy. Saridaki Z, Weidhaas JB, Lenz HJ, Laurent-Puig P, Jacobs B, De Schutter J, De Roock W, Salzman DW, Zhang W, Yang D, Pilati C, Bouché O, Piessevaux H, Tejpar S. *Clin Cancer Res*. 2014 Sep 1;20(17):4499-510.

Sporadic early-onset colorectal cancer is a specific sub-type of cancer: a morphological, molecular and genetics study. Kirzin S, Marisa L, Guimbaud R, De Reynies A, Legrain M, Laurent-Puig P, Cordelier P, Pradère B, Bonnet D, Meggetto F, Portier G, Brousset P, Selves J. *PLoS One*. 2014 Aug 1;9(8):e103159.

Beyond KRAS status and response to anti-EGFR therapy in metastatic colorectal cancer. Perkins G, Pilati C, Blons H, Laurent-Puig P. *Pharmacogenomics*. 2014; 15(7):1043-52.

Oxaliplatin, fluorouracil, and leucovorin with or without cetuximab in patients with resected stage III colon cancer (PETACC-8): an open-label, randomised phase 3 trial. Taieb J, Tabernero J, Mini E, Subtil F, Folprecht G, Van Laethem JL, Thaler J, Bridgewater J, Petersen LN, Blons H, Collette L, Van Cutsem E, Rougier P, Salazar R, Bedenne L, Emile JF, Laurent-Puig P, Lepage C. *Lancet Oncol*. 2014 (in press)

Microsatellite instability analysis in uterine cavity washings to detect endometrial cancer in lynch syndrome. Bats AS, Blons H,

Narjoz C, LE Frere-Belda MA, Laurent-Puig P, Lecuru F. *Anticancer Res.* 2014, 34(6):3211-5.

Breast cancer risk, night work and circadian clock gene polymorphisms. Truong T, Liquet B, Menegaux F, Plancoulaine S, Laurent-Puig P, Mulot C, Cordina-Duverger E, Sanchez M, Arveux P, Kerbrat P, Richardson S, Guénel P. *Endocr Relat Cancer.* 2014 (in press)

Intratumoral distribution of EGFR mutations and copy number in metastatic lung cancer, what impact on the initial molecular diagnosis? Mansuet-Lupo A, Zouiti F, Alifano M, Tallet A, Charpentier MC, Ducruit V, Devez F, Lemaitre F, Laurent-Puig P, Damotte D, Blons H. *J Transl Med.* 2014, 12(1):131.

ERCC1, XRCC1 and GSTP1 Single Nucleotide Polymorphisms and Survival of Patients with Colon Cancer Receiving Oxaliplatin-Based Adjuvant Chemotherapy. Zaanani A, Dalban C, Emile JF, Blons H, Fléjou JF, Goumard C, Istanbulu M, Calmel C, Alhazmi K, Validire P, Louvet C, de Gramont A, Laurent-Puig P, Taïeb J, Praz F. *J Cancer.* 2014, 5(6):425-32.

Molecular patterns in deficient mismatch repair colorectal tumours: results from a French prospective multicentric biological and genetic study. Etienne-Grimaldi MC, Mahamat A, Chazal M, Laurent-Puig P, Olschwang S, Gaub MP, Formento JL, Formento P, Sudaka A, Boige V, Abderrahim-Ferkoune A, Benchimol D, André T, Houry S, Faucheron JL, Letoublon C, Gilly FN, Delpero JR, Lasser P, Pradere B, Pezet D, Penault-Llorca F, Milano G. *Br J Cancer.* 2014, 110(11):2728-37.

ERBB2 gene as a potential therapeutic target in small bowel adenocarcinoma. Laforest A, Aparicio T, Zaanani A, Silva FP, Didelot A, Desbeaux A, Le Corre D, Benhaim L, Pallier K, Aust D, Pistorius S, Blons H, Svrcek M, Laurent-Puig P. *Eur J Cancer.* 2014, 50(10):1740-6.

Hsa-miR-31-3p Expression Is Linked to Progression-free Survival in Patients with KRAS Wild-type Metastatic Colorectal Cancer Treated with Anti-EGFR Therapy. Manceau G, Imbeaud S, Thiébaud R, Liébaert F, Fontaine K, Rousseau F, Génin B, Corre DL, Didelot A, Vincent M, Bachet JB, Chibaudel B, Bouché O, Landi B, Bibeau F, Leroy K, Penault-Llorca F, Van Laethem JL, Demetter P, Tejpar S, Rossi S, Mosakhani N, Osterlund P, Ristamäki R, Sarhadi V, Knuutila S, Boige V, André T, Laurent-Puig P. *Clin Cancer Res.* 2014, 20(12):3338-47.

Genetic predisposition to in situ and invasive lobular carcinoma of the breast. Sawyer E, Roylance R, Petridis C, Brook MN, Nowinski S, Papouli E, Fletcher O, Pinder S, Hanby A, Kohut K, Gorman P, Caneppele M, Peto J, Dos Santos Silva I, Johnson N, Swann R, Dwek M, Perkins KA, Gillett C, Houlston R, Ross G, De Ieso P, Southey MC, Hopper JL, Provenzano E, Apicella C, Wesseling J, Cornelissen S, Keeman R, Fasching PA, Jud SM, Ekici AB, Beckmann MW, Kerin MJ, Marme F, Schneeweiss A, Sohn C, Burwinkel B, Guénel P, Truong T, Laurent-Puig P, Kerbrat P, Bojesen SE, Nordestgaard BG, Nielsen SF, Flyger H, Milne RL, Perez JI, Menéndez P, Benitez J, Brenner H, Dieffenbach AK, Arndt V, Stegmaier C, Meindl A, Lichtner P, Schmutzler RK, Lochmann M, Brauch H, Fischer HP, Ko YD; GENICA Network, Nevanlinna H, Muranen TA, Aittomäki K, Blomqvist C, Bogdanova NV, Dörk T, Lindblom A, Margolin S, Mannermaa A, Kataja V, Kosma VM, Hartikainen JM, Chenevix-Trench G, Investigators K, Lambrechts D, Weltens C, Van Limbergen E, Hatse S, Chang-Claude J, Rudolph A, Seibold P, Flesch-Janys D, Radice P, Peterlongo P, Bonanni B, Volorio S, Giles GG, Severi G, Baglietto L, McLean CA, Haiman CA, Henderson BE, Schumacher F, Le Marchand L, Simard J, Goldberg MS, Labrèche F, Dumont M, Kristensen V, Winqvist R, Pylkäs K, Jukkola-Vuorinen A, Kauppila S, Andrulis IL, Knight JA, Glendon G, Mulligan AM, Devilee P, Tollenaar RA, Seynaeve CM, Kriege M, Figueroa J, Chanock SJ, Sherman ME, Hoening MJ, Hollestelle A, van den Ouweland AM, van Deurzen CH, Li J, Czene K, Humphreys K, Cox A, Cross SS, Reed MW, Shah M, Jakubowska A, Lubinski J, Jaworska-Bieniek K, Durda K, Swerdlow A, Ashworth A, Orr N, Schoemaker M, Couch FJ, Hallberg E, González-Neira A, Pita G, Alonso MR, Tessier DC, Vincent D, Bacot F, Bolla MK, Wang Q, Dennis J, Michailidou K, Dunning AM, Hall P, Easton D, Pharoah P, Schmidt MK, Tomlinson I, Garcia-Closas M. *PLoS Genet.* 2014, 10(4):e1004285.

The effect of the UGT1A1\*28 allele on survival after irinotecan-based chemotherapy: a collaborative meta-analysis. Dias MM, Pignon JP, Karapetis CS, Boige V, Glimelius B, Kweekel DM, Lara PN, Laurent-Puig P, Martinez-Balibrea E, Páez D, Punt CJ, Redman MW, Toffoli G, Wadelius M, McKinnon RA, Sorich MJ. *Pharmacogenomics J.* 2014 (in press)

The new histological classification of lung primary adenocarcinoma subtypes is a reliable prognostic marker and identifies tumors with different mutation status: the experience of a French cohort. Mansuet-Lupo A, Bobbio A, Blons H, Becht E,

Ouakrim H, Didelot A, Charpentier MC, Bain S, Marmey B, Bonjour P, Biton J, Cremer I, Dieu-Nosjean MC, Sautès-Fridman C, Régnard JF, Laurent-Puig P, Alifano M, Damotte D. *Chest*. 2014 (in press)

Comment on 'KRAS-mutated plasma DNA as predictor of outcome from irinotecan monotherapy in metastatic colorectal cancer'. Tougeron D, Laurent-Puig P, Zaanan A. *Br J Cancer*. 2014 (in press)

Genetic markers of toxicity from capecitabine and other fluorouracil-based regimens: investigation in the QUASAR2 study, systematic review, and meta-analysis. Rosmarin D, Palles C, Church D, Domingo E, Jones A, Johnstone E, Wang H, Love S, Julier P, Scudder C, Nicholson G, Gonzalez-Neira A, Martin M, Sargent D, Green E, McLeod H, Zanger UM, Schwab M, Braun M, Seymour M, Thompson L, Lacas B, Boige V, Ribelles N, Afzal S, Enghusen H, Jensen SA, Etienne-Grimaldi MC, Milano G, Wadelius M, Glimelius B, Garmo H, Gusella M, Lecomte T, Laurent-Puig P, Martinez-Balibrea E, Sharma R, Garcia-Foncillas J, Kleibl Z, Morel A, Pignon JP, Midgley R, Kerr D, Tomlinson I. *J Clin Oncol*. 2014, 32(10):1031-9.

Epidemiological study of prostate cancer (EPICAP): a population-based case-control study in France. Menegaux F, Anger A, Randrianasolo H, Mulot C, Laurent-Puig P, Iborra F, Bringer JP, Leizour B, Thuret R, Lamy PJ, Rébillard X, Trétarre B; EPICAP Study Group. *BMC Cancer*. 2014,14:106.

[MET signalling pathway and its therapeutic implications in gastrointestinal cancers]. Zaanan A, Laurent-Puig P, Taieb J. *Bull Cancer*. 2014, 101(1):25-30.

Sorafenib and irinotecan (NEXIRI) as second- or later-line treatment for patients with metastatic colorectal cancer and KRAS-mutated tumours: a multicentre Phase I/II trial. Samalin E, Bouché O, Thézenas S, Francois E, Adenis A, Bennouna J, Taieb J, Desseigne F, Seitz JF, Conroy T, Galais MP, Assenat E, Crapez E, Poujol S, Bibeau F, Boissière F, Laurent-Puig P, Ychou M, Mazard T. *Br J Cancer*. 2014, 110(5):1148-54.

Fine-scale mapping of the FGFR2 breast cancer risk locus: putative functional variants differentially bind FOXA1 and E2F1. Meyer KB, O'Reilly M, Michailidou K, Carlebur S, Edwards SL, French JD, Prathalingham R, Dennis J, Bolla MK, Wang Q, de Santiago I, Hopper JL, Tsimiklis H, Apicella C, Southey MC, Schmidt MK, Broeks A, Van 't Veer LJ, Hogervorst FB, Muir K, Lophatananon A, Stewart-Brown S, Siriwanarangsana P, Fasching PA, Lux MP, Ekici AB, Beckmann MW, Peto J, Dos Santos Silva I, Fletcher O, Johnson N, Sawyer EJ, Tomlinson I, Kerin MJ, Miller N, Marme F, Schneeweiss A, Sohn C, Burwinkel B, Guénel P, Truong T, Laurent-Puig P, Menegaux F, Bojesen SE, Nordestgaard BG, Nielsen SF, Flyger H, Milne RL, Zamora MP, Arias JI, Benitez J, Neuhausen S, Anton-Culver H, Ziogas A, Dur CC, Brenner H, Müller H, Arndt V, Stegmaier C, Meindl A, Schmutzler RK, Engel C, Ditsch N, Brauch H, Brüning T, Ko YD; GENICA Network, Nevanlinna H, Muranen TA, Aittomäki K, Blomqvist C, Matsuo K, Ito H, Iwata H, Yatabe Y, Dörk T, Helbig S, Bogdanova NV, Lindblom A, Margolin S, Mannermaa A, Kataja V, Kosma VM, Hartikainen JM, Chenevix-Trench G; kConFab Investigators; Australian Ovarian Cancer Study Group, Wu AH, Tseng CC, Van Den Berg D, Stram DO, Lambrechts D, Thienpont B, Christiaens MR, Smeets A, Chang-Claude J, Rudolph A, Seibold P, Flesch-Janys D, Radice P, Peterlongo P, Bonanni B, Bernard L, Couch FJ, Olson JE, Wang X, Purrington K, Giles GG, Severi G, Baglietto L, McLean C, Haiman CA, Henderson BE, Schumacher F, Le Marchand L, Simard J, Goldberg MS, Labrèche F, Dumont M, Teo SH, Yip CH, Phuah SY, Kristensen V, Grenaker Alnæs G, Børresen-Dale AL, Zheng W, Deming-Halverson S, Shrubsole M, Long J, Winqvist R, Pylkäs K, Jukkola-Vuorinen A, Kauppila S, Andrulis IL, Knight JA, Glendon G, Tchatchou S, Devilee P, Tollenaar RA, Seynaeve CM, García-Closas M, Figueroa J, Chanock SJ, Lissowska J, Czene K, Darabi H, Eriksson K, Hoening MJ, Martens JW, van den Ouweland AM, van Deurzen CH, Hall P, Li J, Liu J, Humphreys K, Shu XO, Lu W, Gao YT, Cai H, Cox A, Reed MW, Blot W, Signorello LB, Cai Q, Pharoah PD, Ghoussaini M, Harrington P, Tyrer J, Kang D, Choi JY, Park SK, Noh DY, Hartman M, Hui M, Lim WY, Buhari SA, Hamann U, Försti A, Rüdiger T, Ulmer HU, Jakubowska A, Lubinski J, Jaworska K, Durda K, Sangrajrang S, Gaborieau V, Brennan P, McKay J, Vachon C, Slager S, Fostira F, Pilarski R, Shen CY, Hsiung CN, Wu PE, Hou MF, Swerdlow A, Ashworth A, Orr N, Schoemaker MJ, Ponder BA, Dunning AM, Easton DF. *Am J Hum Genet*. 2013, 93(6):1046-60.

Small bowel adenocarcinoma phenotyping, a clinicobiological prognostic study. Aparicio T, Svrcek M, Zaanan A, Beohou E, Laforest A, Afchain P, Mitry E, Taieb J, Di Fiore F, Gornet JM, Thiriot-Bidault A, Sobhani I, Malka D, Lecomte T, Locher C, Bonnetain F, Laurent-Puig P. *Br J Cancer*. 2013, 109(12):3057-66.

Modeling RAS phenotype in colorectal cancer uncovers novel molecular traits of RAS dependency and improves prediction of

response to targeted agents in patients. Guinney J, Fert  C, Dry J, McEwen R, Manceau G, Kao KJ, Chang KM, Bendtsen C, Hudson K, Huang E, Dougherty B, Ducreux M, Soria JC, Friend S, Derry J, Laurent-Puig P. Clin Cancer Res. 2014, 20(1):265-72.

Improvement of the quality of BRAF testing in melanomas with nationwide external quality assessment, for the BRAF EQA group. Emile JF, Tisserand J, Bergougnoux L, Nowak F, Faucher G, Surel S, Lamy A, Lecorre D, Helias-Rodzewicz Z, Hofman P, Sabourin JC, **Laurent-Puig P**. BMC Cancer. 2013 Oct 11;13(1):472.

Microsatellite instability analysis for the screening of synchronous endometrial and ovarian cancer in lynch syndrome. Bats AS, Roussel H, Narjoz C, LE Frere-Belda MA, Chamming's F, Blons H, **Laurent-Puig P**, Lecuru F. Anticancer Res. 2013 Sep;33(9):3977-81.

Multiplex Picodroplet Digital PCR to Detect KRAS Mutations in Circulating DNA from the Plasma of Colorectal Cancer Patients. Taly V, Pekin D, Benhaim L, Kotsopoulos SK, Le Corre D, Li X, Atochin I, Link DR, Griffiths AD, Pallier K, Blons H, Bouch  O, Landi B, Hutchison JB, **Laurent-Puig P**. Clin Chem. 2013 Aug 12. [Epub ahead of print]

Performance and cost efficiency of KRAS mutation testing for metastatic colorectal cancer in routine diagnosis: the MOKAECM study, a nationwide experience. Blons H, Rouleau E, Charrier N, Chatellier G, C  t  JF, Pages JC, de Fraipont F, Boyer JC, Merlio JP, Morel A, Gorisse MC, de Cremoux P, Leroy K, Milano G, Ouafik L, Merlin JL, Le Corre D, Aucouturier P, Sabourin JC, Nowak F, Frebourg T, Emile JF, Durand-Zaleski I, **Laurent-Puig P**; MOKAECM Collaborative Group. PLoS One. 2013 Jul 25;8(7):e68945. doi: 10.1371/journal.pone.0068945.

Expression and mutational status of treatment-relevant targets and key oncogenes in 123 malignant salivary gland tumours. Cros J, Sbidian E, Hans S, Roussel H, Scotte F, Tartour E, Brasnu D, **Laurent-Puig P**, Bruneval P, Blons H, Badoual C. Ann Oncol. 2013 Oct;24(10):2624-9. doi: 10.1093/annonc/mdt338.

Small bowel adenocarcinoma: Epidemiology, risk factors, diagnosis and treatment. Aparicio T, Zaanani A, Svrcek M, **Laurent-Puig P**, Carrere N, Manfredi S, Locher C, Afchain P. Dig Liver Dis. 2013 Jun 21. doi:pii: S1590-8658(13)00184-9. 10.1016/j.dld.2013.04.013. [Epub ahead of print]

Gender-specific profiling in SCN1A polymorphisms and time-to-recurrence in patients with stage II/III colorectal cancer treated with adjuvant 5-fluorouracil chemotherapy. Benhaim L, Gerger A, Bohanes P, Paez D, Wakatsuki T, Yang D, Labonte MJ, Ning Y, El-Khoueiry R, Loupakis F, Zhang W, Laurent-Puig P, Lenz HJ. Pharmacogenomics J. 2013 Jun 11. doi: 10.1038/tpj.2013.21.

Surgery: Cetuximab-an option for unresectable CRC liver metastases. Laurent-Puig P, Benhaim L. Nat Rev Clin Oncol. 2013 Jul;10(7):374-5.

CDH1 germline mutations and the hereditary diffuse gastric and lobular breast cancer syndrome: a multicentre study. Benusiglio PR, Malka D, Rouleau E, De Pauw A, Buecher B, Nogues C, Fourme E, Colas C, Coulet F, Warcoin M, Grandjouan S, Sezeur A, Laurent-Puig P, Moliere D, Tlemsani C, Di Maria M, Byrde V, Delaloge S, Blayau M, Caron O. J Med Genet. 2013 Jul;50(7):486-489.

Gene expression classification of colon cancer into molecular subtypes: characterization, validation, and prognostic value. Marisa L, de Reynies A, Duval A, Selves J, Gaub MP, Vescovo L, Etienne-Grimaldi MC, Schiappa R, Guenot D, Ayadi M, Kirzin S, Chazal M, Flejou JF, Benchimol D, Berger A, Lagarde A, Pencreach E, Piard F, Elias D, Parc Y, Olschwang S, Milano G, Laurent-Puig P, Boige V. PLoS Med. 2013;10(5):e1001453.

Diagnosis, prognosis and treatment of patients with gastrointestinal stromal tumour (GIST) and germline mutation of KIT exon 13. Bachet JB, Landi B, **Laurent-Puig P**, Italiano A, Le Cesne A, L  vy P, Safar V, Duffaud F, Blay JY, Emile JF. Eur J Cancer. 2013 May 3. doi:pii: S0959-8049(13)00307-9.

A Hepatocellular Carcinoma 5-Gene Score Associated With Survival of Patients After Liver Resection. Nault JC, De Reyni  s

A, Villanueva A, Calderaro J, Rebouissou S, Couchy G, Decaens T, Franco D, Imbeaud S, Rousseau F, Azoulay D, Saric J, Blanc JF, Balabaud C, Bioulac-Sage P, Laurent A, **Laurent-Puig P**, Llovet JM, Zucman-Rossi J. *Gastroenterology*. 2013 Jul;145(1):176-187.

Functional variants at the 11q13 risk locus for breast cancer regulate cyclin D1 expression through long-range enhancers. French JD, Ghoussaini M, Edwards SL, Meyer KB, Michailidou K, Ahmed S, Khan S, Maranian MJ, O'Reilly M, Hillman KM, Betts JA, Carroll T, Bailey PJ, Dicks E, Beesley J, Tyrer J, Maia AT, Beck A, Knoblauch NW, Chen C, Kraft P, Barnes D, González-Neira A, Alonso MR, Herrero D, Tessier DC, Vincent D, Bacot F, Luccarini C, Baynes C, Conroy D, Dennis J, Bolla MK, Wang Q, Hopper JL, Southey MC, Schmidt MK, Broeks A, Verhoef S, Cornelissen S, Muir K, Lophatananon A, Stewart-Brown S, Siriwanarangsarn P, Fasching PA, Loehberg CR, Ekici AB, Beckmann MW, Peto J, dos Santos Silva I, Johnson N, Aitken Z, Sawyer EJ, Tomlinson I, Kerin MJ, Miller N, Marme F, Schneeweiss A, Sohn C, Burwinkel B, Guénel P, Truong T, **Laurent-Puig P**, Menegaux F, Bojesen SE, Nordestgaard BG, Nielsen SF, Flyger H, Milne RL, Zamora MP, Arias Perez JI, Benitez J, Anton-Culver H, Brenner H, Müller H, Arndt V, Stegmaier C, Meindl A, Lichtner P, Schmutzler RK, Engel C, Brauch H, Hamann U, Justenhoven C; GENICA Network, Aaltonen K, Heikkilä P, Aittomäki K, Blomqvist C, Matsuo K, Ito H, Iwata H, Sueta A, Bogdanova NV, Antonenkova NN, Dörk T, Lindblom A, Margolin S, Mannermaa A, Kataja V, Kosma VM, Hartikainen JM; kConFab Investigators, Wu AH, Tseng CC, Van Den Berg D, Stram DO, Lambrechts D, Peeters S, Smeets A, Floris G, Chang-Claude J, Rudolph A, Nickels S, Flesch-Janys D, Radice P, Peterlongo P, Bonanni B, Sardella D, Couch FJ, Wang X, Pankratz VS, Lee A, Giles GG, Severi G, Baglietto L, Haiman CA, Henderson BE, Schumacher F, Le Marchand L, Simard J, Goldberg MS, Labrèche F, Dumont M, Teo SH, Yip CH, Ng CH, Vithana EN, Kristensen V, Zheng W, Deming-Halverson S, Shrubsole M, Long J, Winqvist R, Pylkäs K, Jukkola-Vuorinen A, Grip M, Andrulis IL, Knight JA, Glendon G, Mulligan AM, Devilee P, Seynaeve C, García-Closas M, Figueroa J, Chanock SJ, Lissowska J, Czene K, Klevebring D, Schoof N, Hooning MJ, Martens JW, Collée JM, Tilanus-Linthorst M, Hall P, Li J, Liu J, Humphreys K, Shu XO, Lu W, Gao YT, Cai H, Cox A, Balasubramanian SP, Blot W, Signorello LB, Cai Q, Pharoah PD, Healey CS, Shah M, Pooley KA, Kang D, Yoo KY, Noh DY, Hartman M, Miao H, Sng JH, Sim X, Jakubowska A, Lubinski J, Jaworska-Bieniek K, Durda K, Sangrajrang S, Gaborieau V, McKay J, Toland AE, Ambrosone CB, Yannoukakos D, Godwin AK, Shen CY, Hsiung CN, Wu PE, Chen ST, Swerdlow A, Ashworth A, Orr N, Schoemaker MJ, Ponder BA, Nevanlinna H, Brown MA, Chenevix-Trench G, Easton DF, Dunning AM. *Am J Hum Genet*. 2013 Apr 4;92(4):489-503.

Genome-wide association studies identify four ER negative-specific breast cancer risk loci. Garcia-Closas M, Couch FJ, Lindstrom S, Michailidou K, Schmidt MK, Brook MN, Orr N, Rhie SK, Riboli E, Feigelson HS, Le Marchand L, Buring JE, Eccles D, Miron P, Fasching PA, Brauch H, Chang-Claude J, Carpenter J, Godwin AK, Nevanlinna H, Giles GG, Cox A, Hopper JL, Bolla MK, Wang Q, Dennis J, Dicks E, Howat WJ, Schoof N, Bojesen SE, Lambrechts D, Broeks A, Andrulis IL, Guénel P, Burwinkel B, Sawyer EJ, Hollestelle A, Fletcher O, Winqvist R, Brenner H, Mannermaa A, Hamann U, Meindl A, Lindblom A, Zheng W, Devilee P, Goldberg MS, Lubinski J, Kristensen V, Swerdlow A, Anton-Culver H, Dörk T, Muir K, Matsuo K, Wu AH, Radice P, Teo SH, Shu XO, Blot W, Kang D, Hartman M, Sangrajrang S, Shen CY, Southey MC, Park DJ, Hammet F, Stone J, Veer LJ, Rutgers EJ, Lophatananon A, Stewart-Brown S, Siriwanarangsarn P, Peto J, Schrauder MG, Ekici AB, Beckmann MW, Dos Santos Silva I, Johnson N, Warren H, Tomlinson I, Kerin MJ, Miller N, Marme F, Schneeweiss A, Sohn C, Truong T, **Laurent-Puig P**, Kerbrat P, Nordestgaard BG, Nielsen SF, Flyger H, Milne RL, Perez JI, Menéndez P, Müller H, Arndt V, Stegmaier C, Lichtner P, Lochmann M, Justenhoven C, Ko YD; Gene ENvironmental Interaction and breast CAncer (GENICA) Network, Muranen TA, Aittomäki K, Blomqvist C, Greco D, Heikkinen T, Ito H, Iwata H, Yatabe Y, Antonenkova NN, Margolin S, Kataja V, Kosma VM, Hartikainen JM, Balleine R; kConFab Investigators, Tseng CC, Berg DV, Stram DO, Neven P, Dieudonné AS, Leunen K, Rudolph A, Nickels S, Flesch-Janys D, Peterlongo P, Peissel B, Bernard L, Olson JE, Wang X, Stevens K, Severi G, Baglietto L, McLean C, Coetzee GA, Feng Y, Henderson BE, Schumacher F, Bogdanova NV, Labrèche F, Dumont M, Yip CH, Taib NA, Cheng CY, Shrubsole M, Long J, Pylkäs K, Jukkola-Vuorinen A, Kauppi S, Knight JA, Glendon G, Mulligan AM, Tollenaar RA, Seynaeve CM, Kriege M, Hooning MJ, van den Ouweland AM, van Deurzen CH, Lu W, Gao YT, Cai H, Balasubramanian SP, Cross SS, Reed MW, Signorello L, Cai Q, Shah M, Miao H, Chan CW, Chia KS, Jakubowska A, Jaworska K, Durda K, Hsiung CN, Wu PE, Yu JC, Ashworth A, Jones M, Tessier DC, González-Neira A, Pita G, Alonso MR, Vincent D, Bacot F, Ambrosone CB, Bandera EV, John EM, Chen GK, Hu JJ, Rodriguez-Gil JL, Bernstein L, Press MF, Ziegler RG, Millikan RM, Deming-Halverson SL, Nyante S, Ingles SA, Waisfisz Q, Tsimiklis H, Makalic E, Schmidt D, Bui M, Gibson L, Müller-Myhsok B, Schmutzler RK, Hein R, Dahmen N, Beckmann L, Aaltonen K, Czene K, Irwanto A, Liu J, Turnbull C; Familial Breast Cancer Study (FBCS), Rahman N, Meijers-Heijboer H, Uitterlinden AG, Rivadeneira F; Australian Breast Cancer Tissue Bank (ABCTB) Investigators, Olswold C, Slager S, Pilarski R, Ademuyiwa F, Konstantopoulou I, Martin NG, Montgomery GW, Slamon DJ, Rauh C, Lux MP, Jud SM, Bruning T, Weaver J,



Sharma P, Pathak H, Tapper W, Gerty S, Durcan L, Trichopoulos D, Tumino R, Peeters PH, Kaaks R, Campa D, Canzian F, Weiderpass E, Johansson M, Khaw KT, Travis R, Clavel-Chapelon F, Kolonel LN, Chen C, Beck A, Hankinson SE, Berg CD, Hoover RN, Lissowska J, Figueroa JD, Chasman DI, Gaudet MM, Diver WR, Willett WC, Hunter DJ, Simard J, Benitez J, Dunning AM, Sherman ME, Chenevix-Trench G, Chanock SJ, Hall P, Pharoah PD, Vachon C, Easton DF, Haiman CA, Kraft P. *Nat Genet.* 2013 Apr;45(4):392-8, 398e1-2.

Multiple independent variants at the TERT locus are associated with telomere length and risks of breast and ovarian cancer.

Bojesen SE, Pooley KA, Johnatty SE, Beesley J, Michailidou K, Tyrer JP, Edwards SL, Pickett HA, Shen HC, Smart CE, Hillman KM, Mai PL, Lawrenson K, Stutz MD, Lu Y, Karevan R, Woods N, Johnston RL, French JD, Chen X, Weischer M, Nielsen SF, Maranian MJ, Ghoussaini M, Ahmed S, Baynes C, Bolla MK, Wang Q, Dennis J, McGuffog L, Barrowdale D, Lee A, Healey S, Lush M, Tessier DC, Vincent D, Bacot F; Australian Cancer Study; Australian Ovarian Cancer Study; Kathleen Cuninghame Foundation Consortium for Research into Familial Breast Cancer (kConFab); Gene Environment Interaction and Breast Cancer (GENICA); Swedish Breast Cancer Study (SWE-BRCA); Hereditary Breast and Ovarian Cancer Research Group Netherlands (HEBON); Epidemiological study of BRCA1 & BRCA2 Mutation Carriers (EMBRACE); Genetic Modifiers of Cancer Risk in BRCA1/2 Mutation Carriers (GEMO), Vergote I, Lambrechts S, Despiere E, Risch HA, González-Neira A, Rossing MA, Pita G, Doherty JA, Alvarez N, Larson MC, Fridley BL, Schoof N, Chang-Claude J, Cicek MS, Peto J, Kalli KR, Brooks A, Armasu SM, Schmidt MK, Braaf LM, Winterhoff B, Nevanlinna H, Konecny GE, Lambrechts D, Rogmann L, Guénel P, Teoman A, Milne RL, Garcia JJ, Cox A, Shridhar V, Burwinkel B, Marme F, Hein R, Sawyer EJ, Haiman CA, Wang-Gohrke S, Andrulis IL, Moysich KB, Hopper JL, Odunsi K, Lindblom A, Giles GG, Brenner H, Simard J, Lurie G, Fasching PA, Carney ME, Radice P, Wilkens LR, Swerdlow A, Goodman MT, Brauch H, Garcia-Closas M, Hillemanns P, Winqvist R, Dürst M, Devilee P, Runnebaum I, Jakubowska A, Lubinski J, Mannermaa A, Butzow R, Bogdanova NV, Dörk T, Pelttari LM, Zheng W, Leminen A, Anton-Culver H, Bunker CH, Kristensen V, Ness RB, Muir K, Edwards R, Meindl A, Heitz F, Matsuo K, du Bois A, Wu AH, Harter P, Teo SH, Schwaab I, Shu XO, Blot W, Hosono S, Kang D, Nakanishi T, Hartman M, Yatabe Y, Hamann U, Karlan BY, Sangrairang S, Kjaer SK, Gaborieau V, Jensen A, Eccles D, Høgdall E, Shen CY, Brown J, Woo YL, Shah M, Azmi MA, Luben R, Omar SZ, Czene K, Vierkant RA, Nordestgaard BG, Flyger H, Vachon C, Olson JE, Wang X, Levine DA, Rudolph A, Weber RP, Flesch-Janys D, Iversen E, Nickels S, Schildkraut JM, Silva Idos S, Cramer DW, Gibson L, Terry KL, Fletcher O, Vitonis AF, van der Schoot CE, Poole EM, Hogervorst FB, Tworoger SS, Liu J, Bandera EV, Li J, Olson SH, Humphreys K, Orlov I, Blomqvist C, Rodriguez-Rodriguez L, Aittomäki K, Salvesen HB, Muranen TA, Wik E, Brouwers B, Krakstad C, Wauters E, Halle MK, Wildiers H, Kiemenev LA, Mulot C, Aben KK, **Laurent-Puig P**, Altena AM, Truong T, Massuger LF, Benitez J, Pejovic T, Perez JL, Hoatlin M, Zamora MP, Cook LS, Balasubramanian SP, Kelemen LE, Schneeweiss A, Le ND, Sohn C, Brooks-Wilson A, Tomlinson I, Kerin MJ, Miller N, Cybulski C, Henderson BE, Menkiszak J, Schumacher F, Wentzensen N, Le Marchand L, Yang HP, Mulligan AM, Glendon G, Engelholm SA, Knight JA, Høgdall CK, Apicella C, Gore M, Tsimiklis H, Song H, Southey MC, Jager A, den Ouweland AM, Brown R, Martens JW, Flanagan JM, Kriege M, Paul J, Margolin S, Siddiqui N, Severi G, Whittemore AS, Baglietto L, McGuire V, Stegmaier C, Sieh W, Müller H, Arndt V, Labrèche F, Gao YT, Goldberg MS, Yang G, Dumont M, McLaughlin JR, Hartmann A, Ekici AB, Beckmann MW, Phelan CM, Lux MP, Permuth-Wey J, Peissel B, Sellers TA, Ficarazzi F, Barile M, Ziogas A, Ashworth A, Gentry-Maharaj A, Jones M, Ramus SJ, Orr N, Menon U, Pearce CL, Brüning T, Pike MC, Ko YD, Lissowska J, Figueroa J, Kupryjanczyk J, Chanock SJ, Dansonka-Mieszkowska A, Jukkola-Vuorinen A, Rzepecka IK, Pyrkäs K, Bidzinski M, Kauppila S, Hollestelle A, Seynaeve C, Tollenaar RA, Durda K, Jaworska K, Hartikainen JM, Kosma VM, Kataja V, Antonenkova NN, Long J, Shrubsole M, Deming-Halverson S, Lophatananon A, Siriwanarangsarn P, Stewart-Brown S, Ditsch N, Lichtner P, Schmutzler RK, Ito H, Iwata H, Tajima K, Tseng CC, Stram DO, van den Berg D, Yip CH, Ikram MK, Teh YC, Cai H, Lu W, Signorello LB, Cai Q, Noh DY, Yoo KY, Miao H, Iau PT, Teo YY, McKay J, Shapiro C, Ademuyiwa F, Fountzilas G, Hsiung CN, Yu JC, Hou MF, Healey CS, Luccarini C, Peock S, Stoppa-Lyonnet D, Peterlongo P, Rebbeck TR, Piedmonte M, Singer CF, Friedman E, Thomassen M, Offit K, Hansen TV, Neuhausen SL, Szabo CI, Blanco I, Garber J, Narod SA, Weitzel JN, Montagna M, Olah E, Godwin AK, Yannoukakos D, Goldgar DE, Caldes T, Ilyanov EN, Tihomirova L, Arun BK, Campbell I, Mensenkamp AR, van Asperen CJ, van Roozendaal KE, Meijers-Heijboer H, Collée JM, Oosterwijk JC, Hooning MJ, Rookus MA, van der Luijt RB, Os TA, Evans DG, Frost D, Fineberg E, Barwell J, Walker L, Kennedy MJ, Platte R, Davidson R, Ellis SD, Cole T, Bressac-de Paillerets B, Buecher B, Damiola F, Faivre L, Frenay M, Sinilnikova OM, Caron O, Giraud S, Mazoyer S, Bonadona V, Caux-Moncoutier V, Toloczko-Grabarek A, Gronwald J, Byrski T, Spurdle AB, Bonanni B, Zaffaroni D, Giannini G, Bernard L, Dolcetti R, Manoukian S, Arnold N, Engel C, Deissler H, Rhiem K, Niederacher D, Plendl H, Sutter C, Wappenschmidt B, Borg A, Melin B, Rantala J, Soller M, Nathanson KL, Domchek SM, Rodriguez GC, Salani R, Kaulich DG, Tea MK, Paluch SS, Laitman Y, Skytte AB, Kruse TA, Jensen UB, Robson M, Gerdes AM, Ejlersen B, Foretova L, Savage SA, Lester J, Soucy P, Kuchenbaecker KB, Olswold C, Cunningham JM, Slager S, Pankratz VS, Dicks E, Lakhani SR, Couch FJ, Hall P, Monteiro

AN, Gayther SA, Pharoah PD, Reddel RR, Goode EL, Greene MH, Easton DF, Berchuck A, Antoniou AC, Chenevix-Trench G, Dunning AM. *Nat Genet.* 2013 Apr;45(4):371-84, 384e1-2.

Large-scale genotyping identifies 41 new loci associated with breast cancer risk. Michailidou K, Hall P, Gonzalez-Neira A, Ghoussaini M, Dennis J, Milne RL, Schmidt MK, Chang-Claude J, Bojesen SE, Bolla MK, Wang Q, Dicks E, Lee A, Turnbull C, Rahman N; Breast and Ovarian Cancer Susceptibility Collaboration, Fletcher O, Peto J, Gibson L, Dos Santos Silva I, Nevanlinna H, Muranen TA, Aittomäki K, Blomqvist C, Czene K, Irwanto A, Liu J, Waisfisz Q, Meijers-Heijboer H, Adank M; Hereditary Breast and Ovarian Cancer Research Group Netherlands (HEBON), van der Luijt RB, Hein R, Dahmen N, Beckman L, Meindl A, Schmutzler RK, Müller-Myhsok B, Lichtner P, Hopper JL, Southey MC, Makalic E, Schmidt DF, Uitterlinden AG, Hofman A, Hunter DJ, Chanock SJ, Vincent D, Bacot F, Tessier DC, Canisius S, Wessels LF, Haiman CA, Shah M, Luben R, Brown J, Luccarini C, Schoof N, Humphreys K, Li J, Nordestgaard BG, Nielsen SF, Flyger H, Couch FJ, Wang X, Vachon C, Stevens KN, Lambrechts D, Moisse M, Paridaens R, Christiaens MR, Rudolph A, Nickels S, Flesch-Janys D, Johnson N, Aitken Z, Aaltonen K, Heikkinen T, Broeks A, Veer LJ, van der Schoot CE, Guénel P, Truong T, **Laurent-Puig P**, Menegaux F, Marme F, Schneeweiss A, Sohn C, Burwinkel B, Zamora MP, Perez JL, Pita G, Alonso MR, Cox A, Brock IW, Cross SS, Reed MW, Sawyer EJ, Tomlinson I, Kerin MJ, Miller N, Henderson BE, Schumacher F, Le Marchand L, Andrulis IL, Knight JA, Glendon G, Mulligan AM; kConFab Investigators; Australian Ovarian Cancer Study Group, Lindblom A, Margolin S, Hoening MJ, Hollestelle A, van den Ouweland AM, Jager A, Bui QM, Stone J, Dite GS, Apicella C, Tsimiklis H, Giles GG, Severi G, Baglietto L, Fasching PA, Haeberle L, Ekici AB, Beckmann MW, Brenner H, Müller H, Arndt V, Stegmaier C, Swerdlow A, Ashworth A, Orr N, Jones M, Figueroa J, Lissowska J, Brinton L, Goldberg MS, Labrèche F, Dumont M, Winqvist R, Pylkäs K, Jukkola-Vuorinen A, Grip M, Brauch H, Hamann U, Brüning T; GENICA (Gene Environment Interaction and Breast Cancer in Germany) Network, Radice P, Peterlongo P, Manoukian S, Bonanni B, Devilee P, Tollenaar RA, Seynaeve C, van Asperen CJ, Jakubowska A, Lubinski J, Jaworska K, Durda K, Mannermaa A, Kataja V, Kosma VM, Hartikainen JM, Bogdanova NV, Antonenkova NN, Dörk T, Kristensen VN, Anton-Culver H, Slager S, Toland AE, Edge S, Fostira F, Kang D, Yoo KY, Noh DY, Matsuo K, Ito H, Iwata H, Sueta A, Wu AH, Tseng CC, Van Den Berg D, Stram DO, Shu XO, Lu W, Gao YT, Cai H, Teo SH, Yip CH, Phuah SY, Cornes BK, Hartman M, Miao H, Lim WY, Sng JH, Muir K, Lophatananon A, Stewart-Brown S, Siriwanarangsarn P, Shen CY, Hsiung CN, Wu PE, Ding SL, Sangrajrang S, Gaborieau V, Brennan P, McKay J, Blot WJ, Signorello LB, Cai Q, Zheng W, Deming-Halverson S, Shrubsole M, Long J, Simard J, Garcia-Closas M, Pharoah PD, Chenevix-Trench G, Dunning AM, Benitez J, Easton DF. *Nat Genet.* 2013 Apr;45(4):353-61, 361e1-2.

The KRAS mutation detection within the initial management of patients with metastatic colorectal cancer: A status report in France in 2011. Lièvre A, Artru P, Guiu M, **Laurent-Puig P**, Merlin JL, Sabourin JC, Viguier J, Bastie A, Seronde A, Ducreux M. *Eur J Cancer.* 2013 Mar 6. doi:pji: S0959-8049(13)00124-X.

Differential mutation profiles and similar intronic TP53 polymorphisms in asbestos-related lung cancer and pleural mesothelioma. Andujar P, Pairon JC, Renier A, Descatha A, Hysi I, Abd-Alsamad I, Billon-Galland MA, Blons H, Clin B, Danel C, Debrosse D, Galateau-Sallé F, Housset B, **Laurent-Puig P**, Le Pimpec-Barthes F, Letourneux M, Monnet I, Régnard JF, Validire P, Zucman-Rossi J, Jaurand MC, Jean D. *Mutagenesis.* 2013 May;28(3):323-31.

KRAS gene amplification in colorectal cancer and impact on response to EGFR-targeted therapy. Valtorta E, Misale S, Sartore-Bianchi A, Nagtegaal ID, Paraf F, Lauricella C, Dimartino V, Hobor S, Jacobs B, Ercolani C, Lamba S, Scala E, Veronese S, **Laurent-Puig P**, Siena S, Tejpar S, Mottolese M, Punt CJ, Gambacorta M, Bardelli A, Di Nicolantonio F. *Int J Cancer.* 2013 Feb 12. doi: 10.1002/ijc.28106.

Multiplex picoliter-droplet digital PCR for quantitative assessment of DNA integrity in clinical samples. Didelot A, Kotsopoulos SK, Lupo A, Pekin D, Li X, Atochin I, Srinivasan P, Zhong Q, Olson J, Link DR, **Laurent-Puig P**, Blons H, Hutchison JB, Taly V. *Clin Chem.* 2013 May;59(5):815-23.

Colon cancer mutation: prognosis/prediction--letter. Zaanen A, Bonnetain F, Sinicrope FA, **Laurent-Puig P**, Taïeb J. *Clin Cancer Res.* 2013 Mar 1;19(5):1300.

Recurrent inactivating mutations of ARID2 in non-small cell lung carcinoma. Manceau G, Letouzé E, Guichard C, Didelot A, Cazes A, Corté H, Fabre E, Pallier K, Imbeaud S, Le Pimpec-Barthes F, Zucman-Rossi J, **Laurent-Puig P**, Blons H. *Int J Cancer.* 2013 May 1;132(9):2217-21.

Panitumumab combined with irinotecan for patients with KRAS wild-type metastatic colorectal cancer refractory to standard chemotherapy: a GERCOR efficacy, tolerance, and translational molecular study. André T, Blons H, Mabro M, Chibaudel B, Bachet JB, Tournigand C, Bennamoun M, Artru P, Nguyen S, Ebenezer C, Aissat N, Cayre A, Penault-Llorca F, **Laurent-Puig P**, de Gramont A; GERCOR. *Ann Oncol.* 2013 Feb;24(2):412-9.

9q31.2-rs865686 as a susceptibility locus for estrogen receptor-positive breast cancer: evidence from the Breast Cancer Association Consortium. Warren H, Dudbridge F, Fletcher O, Orr N, Johnson N, Hopper JL, Apicella C, Southey MC, Mahmoodi M, Schmidt MK, Broeks A, Cornelissen S, Braaf LM, Muir KR, Lophatananon A, Chaiwerawattana A, Wiangnon S, Fasching PA, Beckmann MW, Ekici AB, Schulz-Wendtland R, Sawyer EJ, Tomlinson I, Kerin M, Burwinkel B, Marme F, Schneeweiss A, Sohn C, Guénel P, Truong T, **Laurent-Puig P**, Mulot C, Bojesen SE, Nielsen SF, Flyger H, Nordestgaard BG, Milne RL, Benítez J, Arias-Pérez JI, Zamora MP, Anton-Culver H, Ziogas A, Bernstein L, Dur CC, Brenner H, Müller H, Arndt V, Langheinz A, Meindl A, Golatta M, Bartram CR, Schmutzler RK, Brauch H, Justenhoven C, Brüning T; GENICA Network, Chang-Claude J, Wang-Gohrke S, Eilber U, Dörk T, Schürmann P, Bremer M, Hillemanns P, Nevanlinna H, Muranen TA, Aittomäki K, Blomqvist C, Bogdanova N, Antonenkova N, Rogov Y, Bermisheva M, Prokofyeva D, Zinnatullina G, Khusnutdinova E, Lindblom A, Margolin S, Mannermaa A, Kosma VM, Hartikainen JM, Kataja V, Chenevix-Trench G, Beesley J, Chen X; kConFab Investigators; Australian Ovarian Cancer Study Group, Lambrechts D, Smeets A, Paridaens R, Weltens C, Flesch-Janys D, Buck K, Behrens S, Peterlongo P, Bernard L, Manoukian S, Radice P, Couch FJ, Vachon C, Wang X, Olson J, Giles G, Baglietto L, McLean CA, Severi G, John EM, Miron A, Winqvist R, Pylkäs K, Jukkola-Vuorinen A, Grip M, Andrulis IL, Knight JA, Mulligan AM, Weerasooriya N, Devilee P, Tollenaar RA, Martens JW, Seynaeve CM, Hooning MJ, Hollestelle A, Jager A, Tilanus-Linthorst MM, Hall P, Czene K, Liu J, Li J, Cox A, Cross SS, Brock IW, Reed MW, Pharoah P, Blows FM, Dunning AM, Ghousaini M, Ashworth A, Swerdlow A, Jones M, Schoemaker M, Easton DF, Humphreys M, Wang Q, Peto J, dos-Santos-Silva I. *Cancer Epidemiol Biomarkers Prev.* 2012 Oct;21(10):1783-91.

Association between Parkinson's disease and the HLA-DRB1 locus. Ahmed I, Tamouza R, Delord M, Krishnamoorthy R, Tzourio C, Mulot C, Nacfer M, Lambert JC, Beaune P, **Laurent-Puig P**, Lioriot MA, Charron D, Elbaz A. *Mov Disord.* 2012 Aug;27(9):1104-10.

Detecting biomarkers with microdroplet technology. Taly V, Pekin D, El Abed A, **Laurent-Puig P**. *Trends Mol Med.* 2012 Jul;18(7):405-16.

Competitive allele specific TaqMan PCR for KRAS, BRAF and EGFR mutation detection in clinical formalin fixed paraffin embedded samples. Didelot A, Le Corre D, Luscan A, Cazes A, Pallier K, Emile JF, **Laurent-Puig P**, Blons H. *Exp Mol Pathol.* 2012 Jun;92(3):275-80.

Dual blockade of epidermal growth factor receptor-induced pathways: a new avenue to treat metastatic colorectal cancer. **Laurent-Puig P**, Manceau G, Zucman-Rossi J, Blons H. *J Clin Oncol.* 2012 May 1;30(13):1550-2.

TWIST1 a new determinant of epithelial to mesenchymal transition in EGFR mutated lung adenocarcinoma. Pallier K, Cessot A, Côté JF, Just PA, Cazes A, Fabre E, Danel C, Riquet M, Devouassoux-Shisheboran M, Ansieau S, Puisieux A, **Laurent-Puig P**, Blons H. *PLoS One.* 2012;7(1):e29954.

Prediction of response to anticancer treatment as simple as the resolution of ordinary differential equations? **Laurent-Puig P**, Manceau G, Boige V, Blons H. *Gut.* 2012 May;61(5):637-8.

Identification of molecular pathways involved in oxaliplatin-associated sinusoidal dilatation. Agostini J, Benoist S, Seman M, Julié C, Imbeaud S, Letourneur F, Cagnard N, Rougier P, Brouquet A, Zucman-Rossi J, **Laurent-Puig P**. *J Hepatol.* 2012 Apr;56(4):869-76.

Investigation of occupational and environmental causes of respiratory cancers (ICARE): a multicenter, population-based case-control study in France. Luce D, Stücker I; ICARE Study Group. *BMC Public Health.* 2011 Dec 14;11:928.

Histologic subtypes, immunohistochemistry, FISH or molecular screening for the accurate diagnosis of ALK-rearrangement in lung cancer: a comprehensive study of Caucasian non-smokers. Just PA, Cazes A, Audebourg A, Cessot A, Pallier K, Danel

C, Vacher-Lavenu MC, **Laurent-Puig P**, Terris B, Blons H. Lung Cancer. 2012 Jun;76(3):309-15.

MicroRNA and colorectal cancer. Corté H, Manceau G, Blons H, **Laurent-Puig P**. Dig Liver Dis. 2012 Mar;44(3):195-200. Review.

DeltaN TP63 reactivation, epithelial phenotype maintenance, and survival in lung squamous cell carcinoma. Pallier K, Cazes A, El Khattabi L, Lecchi C, Desroches M, Danel C, Riquet M, Fabre-Guillevin E, **Laurent-Puig P**, Blons H. Tumour Biol. 2012 Feb;33(1):41-51.

Microsatellite instability analysis in uterine cavity washings as a screening tool for endometrial cancer in Lynch syndrome. Bouquier J, Blons H, Narjoz C, Lécuru F, Laurent-Puig P, Bats AS. Fam Cancer. 2011 Aug 6.

Cross-validation study for epidermal growth factor receptor and KRAS mutation detection in 74 blinded non-small cell lung carcinoma samples: a total of 5550 exons sequenced by 15 molecular French laboratories (evaluation of the EGFR mutation status for the administration of EGFR-TKIs in non-small cell lung carcinoma [ERMETIC] project--part 1). Beau-Faller M, Degeorges A, Rolland E, Mounawar M, Antoine M, Poulot V, Mauguén A, Barbu V, Coulet F, Prétet JL, Bièche I, Blons H, Boyer JC, Buisine MP, de Fraipont F, Lizard S, Olschwang S, Saulnier P, Prunier-Mirebeau D, Richard N, Danel C, Brambilla E, Chouaid C, Zalcman G, Hainaut P, Michiels S, Cadranet J. J Thorac Oncol. 2011 Jun;6(6):1006-15.

Cancer risks associated with germline mutations in MLH1, MSH2, and MSH6 genes in Lynch syndrome. Bonadona V, Bonaïti B, Olschwang S, Grandjouan S, Huiart L, Longy M, Guimbaud R, Buecher B, Bignon YJ, Caron O, Colas C, Noguès C, Lejeune-Dumoulin S, Olivier-Faivre L, Polycarpe-Osaer F, Nguyen TD, Desseigne F, Saurin JC, Berthet P, Leroux D, Duffour J, Manouvrier S, Frébourg T, Sobol H, Lasset C, Bonaïti-Pellié C; French Cancer Genetics Network. JAMA. 2011 Jun 8;305(22):2304-10.

Quantitative and sensitive detection of rare mutations using droplet-based microfluidics. Pekin D, Skhiri Y, Baret JC, Le Corre D, Mazutis L, Salem CB, Millot F, El Harrak A, Hutchison JB, Larson JW, Link DR, Laurent-Puig P, Griffiths AD, Taly V. Lab Chip. 2011 Jul 7;11(13):2156-66.

Evaluation of predictive models in daily practice for the identification of patients with Lynch syndrome. Tresallet C, Brouquet A, Julié C, Beauchet A, Vallot C, Ménégau F, Mitry E, Radvanyi F, Malafosse R, Rougier P, Nordlinger B, Laurent-Puig P, Boileau C, Emile JF, Muti C, Penna C, Hofmann-Radvanyi H. Int J Cancer. 2011 Apr 25. doi: 10.1002/ijc.26144.

[Lynch syndrome: towards a multidisciplinary management of tumour screening]. Bats AS, Cellier C, Samaha E, Laurent-Puig P, Lecuru F. Gynecol Obstet Fertil. 2011 May;39(5):272-3. Epub 2011 Apr 16.

External quality assessment for KRAS testing is needed: setup of a European program and report of the first joined regional quality assessment rounds. Bellon E, Ligtenberg MJ, Tejpar S, Cox K, de Hertogh G, de Stricker K, Edsjö A, Gorgoulis V, Höfler G, Jung A, Kotsinas A, Laurent-Puig P, López-Ríos F, Hansen TP, Rouleau E, Vandenberghe P, van Krieken JJ, Dequeker E. Oncologist. 2011;16(4):467-78.

Complex interplay between -catenin signalling and Notch effectors in intestinal tumorigenesis. Peignon G, Durand A, Cacheux W, Ayrault O, Terris B, Laurent-Puig P, Shroyer NF, Van Seuning I, Honjo T, Perret C, Romagnolo B. Gut. 2011 Feb;60(2):166-76.

[Biology applied to cancer treatments: the example of colorectal cancer]. Lièvre A, **Laurent-Puig P**. Rev Prat. 2010 Oct 20;60(8):1100-2.

Practical recommendations for pharmacogenomics-based prescription: 2010 ESF-UB Conference on Pharmacogenetics and Pharmacogenomics. Becquemont L, Alfirevic A, Amstutz U, Brauch H, Jacqz-Aigrain E, Laurent-Puig P, Molina MA, Niemi M, Schwab M, Somogyi AA, Thervet E, Maitland-van der Zee AH, van Kuilenburg AB, van Schaik RH, Verstuyft C, Wadelius M, Daly AK. Pharmacogenomics. 2011 Jan;12(1):113-24.

[Colorectal oncogenesis]. Laurent-Puig P, Agostini J, Maley K. Bull Cancer. 2010 Nov;97(11):1311-21. Review.

[p16: molecular mechanisms involved in the carcinogenesis of various organs]. Pallier K, Laurent-Puig P, Blons H. *Ann Pathol*. 2010 Nov;30(5 Suppl 1):100-2. French.

Effect of cytochrome P450 2C19 genotype on voriconazole exposure in cystic fibrosis lung transplant patients. Berge M, Guillemain R, Trégouët DA, Amrein C, Boussaud V, Chevalier P, Lillo-Lelouët A, Le Beller C, Laurent-Puig P, Beaune PH, Billaud EM, Lorient MA. *Eur J Clin Pharmacol*. 2011 Mar;67(3):253-60.

Circulating free tumor DNA and colorectal cancer. Lecomte T, Ceze N, Dorval E, **Laurent-Puig P**. *Gastroenterol Clin Biol*. 2010 Dec;34(12):662-81.

Butyrate elicits a metabolic switch in human colon cancer cells by targeting the pyruvate dehydrogenase complex. Blouin JM, Penot G, Collinet M, Nacfer M, Forest C, Laurent-Puig P, Coumoul X, Barouki R, Benelli C, Bortoli S. *Int J Cancer*. 2011 Jun 1;128(11):2591-601.

Down-regulation of the phosphoenolpyruvate carboxykinase gene in human colon tumors and induction by omega-3 fatty acids. Blouin JM, Bortoli S, Nacfer M, Collinet M, Penot G, Laurent-Puig P, Forest C. *Biochimie*. 2010 Dec;92(12):1772-7.

Effects of KRAS, BRAF, NRAS, and PIK3CA mutations on the efficacy of cetuximab plus chemotherapy in chemotherapy-refractory metastatic colorectal cancer: a retrospective consortium analysis. De Roock W, Claes B, Bernasconi D, De Schutter J, Biesmans B, Fountzilas G, Kalogeras KT, Kotoula V, Papamichael D, Laurent-Puig P, Penault-Llorca F, Rougier P, Vincenzi B, Santini D, Tonini G, Cappuzzo F, Frattini M, Molinari F, Saletti P, De Dosso S, Martini M, Bardelli A, Siena S, Sartore-Bianchi A, Tabernero J, Macarulla T, Di Fiore F, Gangloff AO, Ciardiello F, Pfeiffer P, Qvortrup C, Hansen TP, Van Cutsem E, Piessevaux H, Lambrechts D, Delorenzi M, Tejpar S. *Lancet Oncol*. 2010 Aug;11(8):753-62.

Spectrum of HNF1A somatic mutations in hepatocellular adenoma differs from that in patients with MODY3 and suggests genotoxic damage. Jeannot E, Mellotée L, Bioulac-Sage P, Balabaud C, Scoazec JY, Tran Van Nhieu J, Bacq Y, Michalak S, Buob D; Groupe d'étude Génétique des Tumeurs Hépatiques (INSERM Network), Laurent-Puig P, Rusyn I, Zucman-Rossi J. *Diabetes*. 2010 Jul;59(7):1836-44.

Pharmacogenetic assessment of toxicity and outcome in patients with metastatic colorectal cancer treated with LV5FU2, FOLFOX, and FOLFIRI: FFCD 2000-05. Boige V, Mendiboure J, Pignon JP, Lorient MA, Castaing M, Barrois M, Malka D, Trégouët DA, Bouché O, Le Corre D, Miran I, Mulot C, Ducreux M, Beaune P, **Laurent-Puig P**. *J Clin Oncol*. 2010 May 20;28(15):2556-64.

Oncogenic mutations as predictive factors in colorectal cancer. Lièvre A, Blons H, **Laurent-Puig P**. *Oncogene*. 2010 May 27;29(21):3033-43.

Additional value of EGFR downstream signaling phosphoprotein expression to KRAS status for response to anti-EGFR antibodies in colorectal cancer. Perkins G, Lièvre A, Ramacci C, Méatchi T, de Reynies A, Emile JF, Boige V, Tomasic G, Bachet JB, Bibeau F, Bouché O, Penault-Llorca F, Merlin JL, **Laurent-Puig P**. *Int J Cancer*. 2010 Sep 1;127(6):1321-31.