

Bibliographie de la plateforme ICEP : 2024-2016

Tailoring glioblastoma treatment based on longitudinal analysis of post-surgical tumor microenvironment. Chiara Bastiancich, Emmanuel Snacel-Fazy, Samantha Fernandez, Stéphane Robert, Roberta Stacchini, Léa Plantureux, Sébastien Boissonneau, Benoit Testud, Benjamin Guillet, Franck Debarbieux, Hervé Luche, Dominique Figarella-Branger, Marie-Anne Estève, Emeline Tabouret & Aurélie Tchoghandjian. *Journal of Experimental & Clinical Cancer Research* volume 43, Article number: 311 (2024)

ETx-22: a novel nectin-4-directed antibody drug conjugate, demonstrates safety and potent antitumor activity in low nectin-4 expressing tumors. Marc Lopez, Emerence Cromptot, Emmanuelle Josselin, Anne Farina, Marion Rubis, Remy Castellano, Joanna Fares, Maria Wehbe, Yves Collette, Emmanuelle Charafe, Stéphanie Blanchin, François Romagne, Anikó Pálfi, Torsten Hechler, Andreas Pahl, Hatem A Azim Jr, Florence Lhospice, Emilie Mamessier, François Bertucci, Jack Elands, Xavier Prévile, and Daniel Olive. **Cancer Res Commun.** 2024 Nov 1;4(11):2998-3012. doi: 10.1158/2767-9764.CRC-24-0176.

Conditional generation of free radicals by selective activation of alkoxyamines: towards more effective and less toxic targeting of brain tumors. Piris P, Buric D, Yamasaki T, Huchede P, Rossi M, Matteudi M, *et al.* **Chem Sci** 2023;**14**(29):7988-98 doi 10.1039/d3sc01315d.

Endometrioid ovarian carcinoma landscape: pathological and molecular characterization de Nonneville A, Kalbacher E, Cannone F, Guille A, Adelaide J, Finetti P, *et al.*. **Mol Oncol** 2024 doi 10.1002/1878-0261.13679.

In vivo organoid growth monitoring by stimulated Raman histology. Sarri B, Chevrier V, Poizat F, Heuke S, Franchi F, De Franqueville L, *et al* **Npj Imaging** 2024;**2**(1):18 doi 10.1038/s44303-024-00019-1.

WHIM Syndrome-linked CXCR4 mutations drive osteoporosis. **IF : 17.7**
Adrienne Anginot, Julie Nguyen, Zeina Abou Nader, Vincent Rondeau, Amélie Bonaud, Maria Kalogeraki, Antoine Boutin, Julia P Lemos, Valeria Bisio, Joyce Koenen , Lea Hanna Doumit Sakr, Amandine Picart, Amélie Coudert, Sylvain Provot, Nicolas Dulphy, Michel Aurrand-Lions, Stéphane J C Mancini, Gwendal Lazennec, David H McDermott, Fabien Guidez, Claudine Blin-Wakkach, Philip M Murphy, Martine Cohen-Solal, Marion Espéli, Matthieu Rouleau, Karl Balabanian . **Nat Commun.** 2023 Apr 12;**14**(1):2058. doi: 10.1038/s41467-023-37791-4.

PVRIG Expression Is an Independent Prognostic Factor and a New Potential Target for Immunotherapy in Hepatocellular Carcinoma. **IF : 6.3**
Birnbaum DJ, Picard M, Da Costa Q, Delayre T, Finetti P, Cabaud O, **Agavnian E**, De Rauglaudre B, Denicolaï E, Bertucci F, Mamessier E. **Cancers** (Basel). 2023 Jan 10;**15**(2):447. doi: 10.3390/cancers15020447.PMID: 36672396

XIST loss impairs mammary stem cell differentiation and increases tumorigenicity through Mediator hyperactivation. **IF : 66.8**
Richart L, Picod-Chedotel ML, Wassef M, Macario M, Aflaki S, Salvador MA, Héry T, Dauphin A, Wicinski J, Chevrier V, Pastor S, Guittard G, Le Cam S,

Kamhawi H, Castellano R, Guasch G, **Charafe-Jauffret E**, Heard E, Margueron R, Ginestier C. **Cell**. 2022 Jun 9;185(12):2164-2183.e25. doi: 10.1016/j.cell.2022.04.034. Epub 2022 May 20. PMID: 35597241.

Ketogenic HMG-CoA lyase and its product β -hydroxybutyrate promote pancreatic cancer progression. **IF : 14**

Gouirand V, Gicquel T, Lien EC, Jaune-Pons E, Da Costa Q, Finetti P, Metay E, Duluc C, Mayers JR, Audebert S, Camoin L, Borge L, **Rubis M**, Leca J, Nigri J, Bertucci F, Dusetti N, Iovanna JL, Tomasini R, Bidaut G, Guillaumond F, Vander Heiden MG, Vasseur S. **EMBO J**. 2022 May 2;41(9):e110466. doi: 10.15252/embj.2021110466. Epub 2022 Mar 21. PMID: 35307861

MARCKS as a Potential Therapeutic Target in Inflammatory Breast Cancer. **IF : 7.7**

Manai M, ELBini-Dhouib I, Finetti P, Bichiou H, Reduzzi C, Aissaoui D, Ben-Hamida N, **Agavnian E**, Srairi-Abid N, Lopez M, Amri F, Guizani-Tabbane L, Rahal K, Mrad K, Manai M, Birnbaum D, Mamessier E, Cristofanilli M, Boussen H, Kharrat M, Doghri R, Bertucci F. **Cells**. 2022 Sep 19;11(18):2926. doi: 10.3390/cells11182926. PMID: 36139501

Overcoming Resistance to Anti-Nectin-4 Antibody-Drug Conjugate. **IF : 6.0**

Cabaud O, Berger L, Crompton E, Adélaïde J, Finetti P, Garnier S, Guille A, Carbuccia N, **Farina A**, **Agavnian E**, Chaffanet M, Gonçalves A, **Charafe-Jauffret E**, Mamessier E, Birnbaum D, Bertucci F, Lopez M. **Mol Cancer Ther**. 2022 Jul 5;21(7):1227-1235. doi: 10.1158/1535-7163.MCT-22-0013. PMID: 35534238.

BMI1 nuclear location is critical for RAD51-dependent response to replication stress and drives chemoresistance in breast cancer stem cells. **IF : 9.7**

Azzoni V, Wicinski J, Macario M, Castagné M, Finetti P, Ambrosova K, Rouault CD, Sergé A, **Farina A**, **Agavnian E**, **Coslet S**, Josselin E, Guille A, Adelaide J, Zacharioudakis E, Castellano R, Bertucci F, Birnbaum D, Rodriguez R, **Charafe-Jauffret E**, Ginestier C. **Cell Death Dis**. 2022 Feb 2;13(2):96. doi: 10.1038/s41419-022-04538-w. PMID: 35110528

Beta-blockers disrupt mitochondrial bioenergetics and increase radiotherapy efficacy independently of beta-adrenergic receptors in medulloblastoma. **IF : 11.2**

Rossi M, Talbot J, Piris P, Grand ML, Montero MP, Matteudi M, **Agavnian-Couquiaud E**, Appay R, Keime C, Williamson D, Buric D, Bourgarel V, Padovani L, Clifford SC, Ayrault O, Pasquier E, André N, Carré M. **EBioMedicine**. 2022 Aug;82:104149. doi: 10.1016/j.ebiom.2022.104149. Epub 2022 Jul 8. PMID: 35816899; PMCID: PMC9283511.

EFA6B regulates a stop signal for collective invasion in breast cancer. **IF : 17.7**

Fayad R, Rojas MV, Partisani M, Finetti P, Dib S, Abelanet S, Virolle V, **Farina A**, Cabaud O, Lopez M, Birnbaum D, Bertucci F, Franco M, Luton F. **Nat Commun**. 2021 Apr 13;12(1):2198. doi: 10.1038/s41467-021-22522-4. PMID: 33850160; PMCID: PMC 8044243.

A glycosyltransferase gene signature to detect pancreatic ductal adenocarcinoma patients with poor prognosis. **IF : 11.2**

Mohamed Abd-El-Halim Y, El Kaoutari A, Silvy F, **Rubis M**, Bigonnet M, Roques J, Cros J, Nicolle R, Iovanna J, Dusetti N, Mas E. **EBioMedicine**. 2021 Sep;71:103541. doi: 10.1016/j.ebiom.2021.103541. Epub 2021 Aug 20. PMID: 34425307

LDL receptor-peptide conjugate as in vivo tool for specific targeting of pancreatic ductal adenocarcinoma. **IF : 6.5**

Acier A, Godard M, Gassiot F, Finetti P, **Rubis M**, Nowak J, Bertucci F, Iovanna JL, Tomasini R, Lécorché P, Jacquot G, Khrestchatisky M, Temsamani J, Malicet C, Vasseur S, Guillaumond F. **Commun Biol.** 2021 Aug 19;4(1):987. doi: 10.1038/s42003-021-02508-0.PMID: 34413441

TNF- α induces endothelial-mesenchymal transition promoting stromal development of pancreatic adenocarcinoma. **IF : 9.7**

Adjuto-Saccone M, Soubeyran P, Garcia J, Audebert S, Camoin L, **Rubis M**, Roques J, Binétruy B, Iovanna JL, Tournaire R. **Cell Death Dis.** 2021 Jun 25;12(7):649. doi: 10.1038/s41419-021-03920-4.PMID: 34172716

NUPR1 protects liver from lipotoxic injury by improving the endoplasmic reticulum stress response. **IF : 5.8**

Teresa Borrello M, Rita Emma M, Listi A, **Rubis M**, Coslet S, Augello G, Cusimano A, Cabibi D, Porcasi R, Giannitrapani L, Soresi M, Pantuso G, Blyth K, Montalto G, Pin C, Cervello M, Iovanna J. **FASEB J.** 2021 Mar;35(3):e21395. doi: 10.1096/fj.202002413RR.PMID: 33566371

Establishment of a pancreatic adenocarcinoma molecular gradient (PAMG) that predicts the clinical outcome of pancreatic cancer. **IF : 5.7**

Nicolle R, Blum Y, Duconseil P, Vanbrugghe C, Brandone N, Poizat F, Roques J, Bigonnet M, Gayet O, **Rubis M**, Elarouci N, Armenoult L, Ayadi M, de Reyniès A, Giovannini M, Grandval P, Garcia S, Canivet C, Cros J, Bournet B, Buscail L; BACAP Consortium, Moutardier V, Gilabert M, Iovanna J, Dusetti N. **EBioMedicine.** 2020 Jul;57:102858. doi: 10.1016/j.ebiom.2020.102858. Epub 2020 Jul 3. PMID: 32629389

Nidogen-1 Contributes to the Interaction Network Involved in Pro-B Cell Retention in the Peri-sinusoidal Hematopoietic Stem Cell Niche. **IF : 8.1**

Balzano M, De Grandis M, Vu Manh TP, Chasson L, Bardin F, **Farina A**, Sergé A, Bidaut G, Charbord P, Hérault L, Bailly AL, Cartier-Michaud A, Boned A, Dalod M, Duprez E, Genever P, Coles M, Bajenoff M, Xerri L, **Aurrand-Lions M**, Schiff C, Mancini SJC. **Cell Rep.** 2019 Mar 19;26(12):3257-3271.e8. doi: 10.1016/j.celrep.2019.02.065. PMID: 30893599

Development of parallel reaction monitoring (PRM)-based quantitative proteomics applied to HER2-Positive breast cancer. **IF : 3.7**

Guerin M, Gonçalves A, Toiron Y, Baudelet E, Pophillat M, Granjeaud S, Fourquet P, Jacot W, Tarpin C, Sabatier R, **Agavnian E**, Finetti P, Adelaide J, Birnbaum D, Ginestier C, **Charafe-Jauffret E**, Viens P, Bertucci F, Borg JP, Camoin L. **Oncotarget.** 2018 Sep 18;9(73):33762-33777. doi: 10.18632/oncotarget.26031. eCollection 2018 Sep 18. PMID: 30333908

Nectin-4: a new prognostic biomarker for efficient therapeutic targeting of primary and metastatic triple-negative breast cancer. **IF : 32.9**

M-Rabet M, Cabaud O, Josselin E, Finetti P, Castellano R, **Farina A**, **Agavnian-Couquiaud E**, Saviane G, Collette Y, Viens P, Gonçalves A, Ginestier C, **Charafe-Jauffret E**, Birnbaum D, Olive D, Bertucci F, Lopez M. **Ann Oncol.** 2017 Apr 1;28(4):769-776. doi: 10.1093/annonc/mdw678. PMID: 27998973

De-repression of the RAC activator ELMO1 in cancer stem cells drives progression of TGFbeta-deficient squamous cell carcinoma from transition zones. **IF : 7.1**
McCauley HA, Chevrier V, Birnbaum D, Guasch G. **Elife**. 2017 Feb 21;6:e22914. doi: 10.7554/eLife.22914. PMID: 28219480

Gastrointestinal Stromal Tumour with Synchronous Bone Metastases: A Case Report and Literature Review. **IF : 0.97**

Rochigneux P, Mescam-Mancini L, Perrot D, Bories E, Moureau-Zabotto L, Sarran A, Guiramand J, Bertucci F. **Case Rep Oncol**. 2017 Jan 17;10(1):66-76. doi: 10.1159/000455188. eCollection 2017 Jan-Apr. PMID: 28203166 (remerciements)

Genetic, structural, and chemical insights into the dual function of GRASP55 in germ cell Golgi remodeling and JAM-C polarized localization during spermatogenesis. **IF : 5.5**
Cartier-Michaud A, Bailly AL, Betzi S, Shi X, Lissitzky JC, Zarubica A, Sergé A, Roche P, Lugari A, Hamon V, Bardin F, Derviaux C, Lembo F, Audebert S, Marchetto S, Durand B, Borg JP, Shi N, Morelli X, **Aurrand-Lions M**. **PLoS Genet**. 2017 Jun 15;13(6):e1006803. doi: 10.1371/journal.pgen.1006803. eCollection 2017 Jun. PMID: 28617811

Septin 9 i2 is downregulated in tumors, impairs cancer cell migration and alters subnuclear actin filaments. **IF : 4.0**
Verdier-Pinard P, Salaun D, Bouguenina H, Shimada S, Pophillat M, Audebert S, **Agavnian E, Coslet S, Charafe-Jauffret E**, Tachibana T, Badache A. **Sci Rep**. 2017 Mar 24;7:44976. doi: 10.1038/srep44976. PMID: 28338090

Stromal Expression of MARCKS Protein in Ovarian Carcinomas Has Unfavorable Prognostic Value. **IF : 4.6**
Doghri R, Manai M, Finetti P, Driss M, **Agavnian E**, Lopez M, Elghardallou M, **Charafe-Jauffret E**, Manai M, Chaffanet M, Birnbaum D, Mrad K, Bertucci F. **Int J Mol Sci**. 2017 Dec 23;19(1):41. doi: 10.3390/ijms19010041. PMID: 29295532

Anti-proliferative and anti-secretory effects of everolimus on human pancreatic neuroendocrine tumors primary cultures: is there any benefit from combination with somatostatin analogs? **IF : 3.7**
Mohamed A, Romano D, Saveanu A, Roche C, Albertelli M, Barbieri F, Brue T, Niccoli P, Delperro JR, Garcia S, Ferone D, Florio T, Moutardier V, Poizat F, Barlier A, Gerard C. **Oncotarget**. 2017 Jun 20;8(25):41044-41063. doi: 10.18632/oncotarget.17008. PMID: 28454119

Follicular B Lymphomas Generate Regulatory T Cells via the ICOS/ICOSL Pathway and Are Susceptible to Treatment by Anti-ICOS/ICOSL Therapy. **IF : 9.1**
Le KS, Thibult ML, Just-Landi S, Pastor S, Gondois-Rey F, Granjeaud S, Broussais F, Bouabdallah R, Colisson R, Caux C, Ménétrier-Caux C, Leroux D, Xerri L, Olive D. **Cancer Res**. 2016 Aug 15;76(16):4648-60. doi: 10.1158/0008-5472.CAN-15-0589. Epub 2016 May 31. PMID: 27246829

Dok1 and Dok2 Proteins Regulate Cell Cycle in Hematopoietic Stem and Progenitor Cells. **IF : 4.7**

Coppin E, De Grandis M, Pandolfi PP, Arcangeli ML, **Aurrand-Lions M**, Nunès JA.
J Immunol. 2016 May 15;196(10):4110-21. doi: 10.4049/jimmunol.1501037. Epub 2016 Apr
18. PMID: 27183638