

Team1 - 2021

Original Articles

- 1 - Generation of three human induced pluripotent stem cell lines with IRX5 knockout and knockin genetic editions using CRISPR-Cas9 system. Canac R, Caillaud A, Cimarosti B, Girardeau A, Hamamy H, Reversade B, Bonnard C, Al Sayed ZR, David L, Poschmann J, Lemarchand P, Lamirault G, Gaborit N. **2021** *Stem Cell Res.* PMID [34929443](#)
- 2 - Single-cell analysis of human non-small cell lung cancer lesions refines tumor classification and patient stratification. Leader AM, Grout JA, Maier BB, Nabet BY, Park MD, Tabachnikova A, Chang C, Walker L, Lansky A, Le Berichel J, Troncoso L, Malissen N, Davila M, Martin JC, Magri G, Tuballes K, Zhao Z, Petralia F, Samstein R, D'Amore NR, Thurston G, Kamphorst AO, Wolf A, Flores R, Wang P, Müller S, Mellman I, Beasley MB, Salmon H, Rahman AH, Marron TU, Kenigsberg E, Merad M. **2021** *Cancer Cell.* PMID [34767762](#)
- 3 - Targeted alpha particle therapy remodels the tumor microenvironment and improves efficacy of immunotherapy. Perrin J, Capitaio M, Allard M, Chouin N, Gouard S, Marionneau-Lambot S, Louvet C, Donnadiou E, Bruchertseifer F, Morgenstern A, Cherel M, Gaschet J, Guilloux Y. **2021** *Int J Radiat Oncol Biol Phys.* PMID [34699930](#)
- 4 - Low-Valent Calix(4)arene Glycoconjugates Based on Hydroxamic Acid Bearing Linkers as Potent Inhibitors in a Model of Ebola Virus Cis-Infection and HCMV-gB-Recombinant Glycoprotein Interaction with MDCC Cells by Blocking DC-SIGN. Chakroun K, Taouai M, Porkolab V, Luczkowiak J, Sommer R, Cheneau C, Mathiron D, Ben Maaouia MA, Pilard S, Abidi R, Mullie C, Fieschi F, Cragg PJ, Halary F, Delgado R, Benazza M. **2021** *J Med Chem.* PMID [34524803](#)
- 5 - Dendritic Cells Require TMEM176A/B Ion Channels for Optimal MHC Class II Antigen Presentation to Naive CD4+ T Cells. Lancien M, Bienvenu G, Salle S, Gueno L, Feyeux M, Merieau E, Remy S, Even A, Moreau A, Molle A, Fourgeux C, Coulon F, Beriou G, Bouchet-Delbos L, Chiffolleau E, Kirstetter P, Chan S, Kerfoot SM, Abdu Rahiman S, De Simone V, Matteoli G, Boncompain G, Perez F, Josien R, Poschmann J, Cuturi MC, Louvet C. **2021** *J Immunol.* PMID [34233909](#)
- 6 - Circulating Treg cells expressing TNF receptor type 2 contributes to sepsis-induced immunosuppression in patients during sepsis shock. Gaborit BJ, Chaumette T, Chauveau M, Asquier-Khati A, Roquilly A, Boutoille D, Josien R, Salomon BL, Asehnoune K. **2021** *J Infect Dis.* PMID [34019653](#)
- 7 - A bispecific antibody agonist of the IL-2 heterodimeric receptor preferentially promotes in vivo expansion of CD8 and NK cells. Harris KE, Lorentsen KJ, Malik-Chaudhry HK, Loughlin K, Basappa HM, Hartstein S, Ahmil G, Allen NS, Avanzino BC, Balasubramani A, Boudreau AA, Chang K, Cuturi MC, Davison LM, Ho DM, Iyer S, Rangaswamy US, Sankaran P, Schellenberger U, Buelow R, Trinklein ND. **2021** *Sci Rep.* PMID [34011961](#)
- 8 - Haploinsufficiency of the Sin3/HDAC corepressor complex member SIN3B causes a syndromic intellectual disability/autism spectrum disorder. Latypova X, Vincent M, Molle A, Adebambo OA, Fourgeux C, Khan TN, Caro A, Rosello M, Orellana C, Niyazov D, Lederer D, Deprez M, Capri Y, Kannu P, Tabet AC, Levy J, Aten E, den Hollander N, Splitt M, Walia J, Immken LL, Stankiewicz P, McWalter K, Suchy S, Louie RJ, Bell S, Stevenson RE, Rousseau J, Willem C, Retiere C, Yang XJ, Campeau PM, Martinez F, Rosenfeld JA, Le Caignec C, Küry S, Mercier S, Moradkhani K, Conrad S, Besnard T, Cogne B, Katsanis N, Bezieau S, Poschmann J, Davis EE, Isidor B. **2021** *Am J Hum Genet.* PMID [33811806](#)
- 9 - Evaluation of the safety and efficacy of XAV-19 in patients with COVID-19-induced moderate pneumonia: study protocol for a randomized, double-blinded, placebo-controlled phase 2 (2a and 2b) trial. Gaborit B, Vanhove B, Vibet MA, Le Thuaut A, Lacombe K, Dubee V, Ader F, Ferre V, Vicaut E, Orain J, Le Bras M, Omnes A, Berly L, Jobert A, Morineau-Le Houssine P, Botturi K, Josien R, Flet L, Degauque N, Brouard S, Duvaux O, Poinas A, Raffi F; POLYCOR study group. **2021** *Trials.* PMID [33750432](#)
- 10 - Preformed T-cell alloimmunity and HLA eplet mismatch to guide immunosuppression minimization with Tacrolimus monotherapy in Kidney Transplantation. Results of the CELLIMIN trial. Bestard O, Meneghini M, Crespo E, Bemelman F, Koch M, Volk HD, Viklicky O, Giral M, Banas B, Ruiz JC, Melilli E, Hu L, van

Duivenvoorden R, Nashan B, Thaïss F, Otto NM, Bold G, Stein M, Sefrin A, Lachmann N, Hrubá P, Stranavová L, Brouard S, Braudeau C, Blanco G, Banas M, Irure J, Christakoudi S, Sanchez-Fueyo A, Wood KJ, Reinke P, Grinyó JM. **2021** *Am J Transplant*. PMID [33725408](#)

11 - Can shellfish be used to monitor SARS-CoV-2 in the coastal environment? Desdouits M, Piquet JC, Wacrenier C, Le Mennec C, Parnaudeau S, Jousse S, Rocq S, Bigault L, Contrant M, Garry P, Chavanon F, Gabellec R, Lamort L, Lebrun L, Le Gall P, Meteigner C, Schmitt A, Seugnet JL, Serais O, Peltier C, Bressollette-Bodin C, Blanchard Y, Le Guyader FS. **2021** *Sci Total Environ*. PMID [33714825](#)

12 - Cystathionine-gamma-lyase overexpression in T cells enhances anti-tumor effect independently of cysteine autonomy. Lancien M, Gueno L, Salle S, Merieau E, Beriou G, Nguyen TH, Abidi A, Dilek N, Solomon P, Poschmann J, Michielin O, Vuillefroy de Silly R, Vanhove B, Louvet C. **2021** *Cancer Sci*. PMID [33609296](#)

13 - Non-permissive human conventional CD1c+ dendritic cells enable trans-infection of human primary renal tubular epithelial cells and protect BK polyomavirus from neutralization. Sikorski M, Coulon F, Peltier C, Braudeau C, Garcia A, Giraud M, Renaudin K, Kandel-Aznar C, Nedellec S, Hulin P, Branchereau J, Veziers J, Gaboriaud P, Touze A, Burlaud-Gaillard J, Josien R, McIlroy D, Bressollette-Bodin C, Halary F. **2021** *PLoS Pathog*. PMID [33592065](#)

14 - An easy and reliable whole blood freezing method for flow cytometry immuno-phenotyping and functional analyses. Braudeau C, Salabert-Le Guen N, Chevreuil J, Rimbart M, Martin JC, Josien R. **2021** *Cytom Part B*. PMID [33544978](#)

Review, Editorial, Comments

1 - Alveolar Macrophages: Adaptation to Their Anatomic Niche during and after Inflammation. Martin FP, Jacqueline C, Poschmann J, Roquilly A. **2021** *Cells*. PMID [34685700](#)

2 - Regulatory Macrophages and Tolerogenic Dendritic Cells in Myeloid Regulatory Cell-Based Therapies. Suuring M, Moreau A. **2021** *Int J Mol Sci*. PMID [34360736](#)

3 - Reactivations virales en réanimation : biomarqueurs de dysfonctionnement immunitaire ou véritables pathogènes ? (Viral reactivations in intensive care unit: biomarkers of immune dysfunction or true pathogens?). Castain L, Bressollette-Bodin C. **2021** *Virologie*. PMID [34240710](#)

4 - Structural Insight into Non-Enveloped Virus Binding to Glycosaminoglycan Receptors: A Review. Sorin MN, Kuhn J, Stasiak AC, Stehle T. **2021** *Viruses*. PMID [33946963](#)