

Team2 - 2021

Original Articles

- 1 - TRPC3, but not TRPC1, as a good therapeutic target for standalone or complementary treatment of DMD. Creisméas A, Gazaille C, Bourdon A, Lallemand MA, François V, Allais M, Ledevin M, Larcher T, Toumaniantz G, Lafoux A, Huchet C, Anegon I, Adjali O, Le Guiner C, Fraysse B. **2021** *J Transl Med*. PMID [34930315](#)
- 2 - SIRP α -CD47 Interaction Positively Regulates the Activation of Human T Cells in Situation of Chronic Stimulation. Dehmani S, Nerrière-Daguin V, Néel M, Elain-Duret N, Heslan JM, Belarif L, Mary C, Thepenier V, Biteau K, Poirier N, Blancho G, Haspot F. **2021** *Front Immunol*. PMID [34925315](#)
- 3 - Added value of anti-Müllerian hormone serum concentration in assisted reproduction clinical practice using highly purified human menopausal gonadotropin (HP-hMG). Barrière P, Procu-Buisson G, Avril C, Hamamah S; AME study group. **2021** *J Gynecol Obstet Hum Reprod*. PMID [34906691](#)
- 4 - Induction of Human Naïve Pluripotent Stem Cells from Somatic Cells. Onfray C, Tan JP, Kilens S, Liu X, Polo J, David L. **2021** *Methods Mol Biol*. PMID [34870829](#)
- 5 - Human blastoids model blastocyst development and implantation. Kagawa H, Javali A, Khoei HH, Sommer TM, Sestini G, Novatchkova M, Scholte Op Reimer Y, Castel G, Bruneau A, Maenhoudt N, Lammers J, Loubersac S, Freour T, Vankelecom H, David L, Rivron N. **2021** *Nature*. PMID [34856602](#)
- 6 - Fluid Mechanics of Mosaic Ciliated Tissues. Boselli F, Jullien J, Lauga E, Goldstein RE. **2021** *Phys Rev Lett*. PMID [34797132](#)
- 7 - In vitro recovery of FIX clotting activity as a marker of highly functional hepatocytes in a hemophilia B iPSC model. Luce E, Steichen C, Allouche M, Messina A, Heslan JM, Lambert T, Weber A, Nguyen TH, Christophe O, Dubart-Kupperschmitt A. **2021** *Hepatology*. PMID [34687060](#)
- 8 - CD8⁺ T cells variably recognize native versus citrullinatedGRP78 epitopes in type 1 diabetes. Azoury ME, Samassa F, Buitinga M, Nigi L, Brusco N, Callebaut A, Giraud M, Irla M, Lalanne AI, Carre A, Afonso G, Zhou Z, Brandao B, Colli ML, Sebastiani G, Dotta F, Nakayama M, Eizirik DL, You S, Pinto S, Mamula MJ, Verdier Y, Vinh J, Buus S, Mathieu C, Overbergh L, Mallone R. **2021** *Diabetes*. PMID [34561224](#)
- 9 - The impact of CD160 deficiency on alloreactive CD8 T cell responses and allograft rejection. Del Rio ML, Nguyen TH, Tesson L, Heslan JM, Gutierrez-Adan A, Fernandez-Gonzalez R, Gutierrez-Arroyo J, Buhler L, Perez-Simón JA, Anegon I, Rodriguez-Barbosa JI. **2021** *Transl Res*. PMID [34461306](#)
- 10 - 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](#)
- 11 - [Relevance of the theory of High Reliability Organizations in Assisted Reproductive Technology]. de Bovis C, Baret C, Grynberg M, Freour T. **2021** *Gynecol Obstet Fertil Senol*. PMID [34144221](#)
- 12 - Integrated pseudotime analysis of human pre-implantation embryo single-cell transcriptomes reveals the dynamics of lineage specification. Meistermann D, Bruneau A, Loubersac S, Reignier A, Firmin J, François-Campion V, Kilens S, Lelievre Y, Lammers J, Feyeux M, Hulin P, Nedellec S, Bretin B, Castel G, Allegre N, Covin S, Bihouée A, Soumillon M, Mikkelsen T, Barrière P, Chazaud C, Chappell J, Pasque V, Bourdon J, Freour T, David L. **2021** *Cell Stem Cell*. PMID [34004179](#)
- 13 - Secreted inhibitors drive the loss of regeneration competence in *Xenopus* limbs. Aztekin C, Hiscock TW, Gurdon J, Jullien J, Marioni J, Simons BD. **2021** *Development*. PMID [33983390](#)

- 14 - Cardiovascular phenotype of the Dmdmdx rat - a suitable animal model for Duchenne muscular dystrophy. Szabó PL, Ebner J, Koenig X, Hamza O, Watzinger S, Trojanek S, Abraham D, Todt H, Kubista H, Schicker K, Remy S, Anegon I, Kiss A, Podesser BK, Hilber K. **2021** *Dis Model Mech.* PMID [33619211](#)
- 15 - 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](#)
- 16 - 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, Veziere J, Gaboriaud P, Touze A, Burlaud-Gaillard J, Josien R, McIlroy D, Bressollette-Bodin C, Halary F. **2021** *PLoS Pathog.* PMID [33592065](#)
- 17 - Time-lapse technology improves total cumulative live birth rate and shortens time to live birth as compared to conventional incubation system in couples undergoing ICSI. Reignier A, Lefebvre T, Loubersac S, Lammers J, Barriere P, Freour T. **2021** *J Assist Reprod Gen.* PMID [33576935](#)
- 18 - Comparison of two automated sperm analyzers using 2 different detection methods versus manual semen assessment. Lammers J, Chtourou S, Reignier A, Loubersac S, Barriere P, Freour T. **2021** *J Gynecol Obstet Hum Reprod.* PMID [33545411](#)
- 19 - A rat model expressing a human amyloidogenic kappa light chain. Ayala MV, Bender S, Anegon I, Menoret S, Bridoux F, Jaccard A, Sirac C. **2021** *Amyloid.* PMID [33480298](#)
- 20 - Is low anti-Mullerian hormone (AMH) level a risk factor of miscarriage in women <37 years old undergoing in vitro fertilization (IVF)? Cornille AS, Sapet C, Reignier A, Leperlier F, Barriere P, Caillet P, Freour T, Lefebvre T. **2021** *Hum Fertil.* PMID [33448232](#)

Review, Editorial, Comments

- 1 - 24th Nantes Actualites en Transplantation and 4th LabEx Immunotherapy-Graft-Oncology NAT and IGO Joint Meeting New Horizons in Immunotherapy. Joalland N, Ducoin K, Cadiou G, Rabu C, Guillonneau C. **2021** *Front Immunol.* PMID [34539674](#)
- 2 - Associations between human internal chemical exposure to Persistent Organic Pollutants (POPs) and In Vitro Fertilization (IVF) outcomes: Systematic review and evidence map of human epidemiological evidence. Lefebvre T, Freour T, Ploteau S, Le Bizec B, Antignac JP, Cano-Sancho G. **2021** *Reprod Toxicol.* PMID [34517099](#)
- 3 - Des embryons chimeres et des pseudo-embryons comme alternatives pour la recherche sur l'embryon humain [Chimeric embryos and pseudo-embryos: An alternative to human embryos for research]. Savatier P, David L, De Vos J, Yates F, Tajbakhsh S, Martinat C. **2021** *Med Sci.* PMID [34491191](#)
- 4 - Advances in Genome Editing and Application to the Generation of Genetically Modified Rat Models. Chenouard V, Remy S, Tesson L, Menoret S, Ouisse LH, Cherifi Y, Anegon I. **2021** *Front Genet.* PMID [33959146](#)
- 5 - AIRE deficiency, from preclinical models to human APECED disease Besnard M, Padonou F, Provin N, Giraud M, Guillonneau C. **2021** *Dis Model Mech.* PMID [33729987](#)
- 6 - Super-Treg: Toward a New Era of Adoptive Treg Therapy Enabled by Genetic Modifications. Amini L, Greig J, Schmuck-Henneresse M, Volk HD, Bezie S, Reinke P, Guillonneau C, Wagner DL, Anegon I. **2021** *Front Immunol.* PMID [33717052](#)
- 7 - IL-34 and CSF-1, deciphering similarities and differences at steady state and in diseases. Freuchet A, Salama A, Remy S, Guillonneau C, Anegon I. **2021** *J Leukocyte Biol.* PMID [33600012](#)