

## Team2 - 2022

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### Original Articles

- 1 - Fertility preservation and access to medically assisted reproduction for Trans people: Guidelines from French Professional Association for Transgender Health Brouillet S, Ducrocq B, Mestres S, Guillemain C, Ravel C, Reignier A. **2022** *Gynecol Obstet Fertil Senol*. PMID [35750197](#)
- 2 - What is the best strategy for slowly developing blastocysts? Loubersac S, Inquel A, Lefebvre T, Lammers J, Barriere P, Freour T, Reignier A. **2022** *J Gynecol Obstet Hum Reprod*. PMID [35640804](#)
- 3 - Adaptive data-driven models to best predict the likelihood of live birth as the IVF cycle moves on and for each embryo transfer. Grzegorzczuk-Martin V, Roset J, Di Pizio P, Fréour T, Barrière P, Pouly JL, Grynberg M, Parneix I, Avril C, Pacheco J, Grzegorzczuk TM. **2022** *J Assist Reprod Genet*. PMID [35767167](#)
- 4 - Evaluation of the dystrophin carboxy-terminal domain for micro-dystrophin gene therapy in cardiac and skeletal muscles in the DMDmdx rat model. Bourdon A, François V, Zhang L, Lafoux A, Fraysse B, Toumaniantz G, Larcher T, Girard T, Ledevin M, Lebreton C, Hivonnait A, Creismas A, Allais M, Marie B, Guguin J, Blouin V, Remy S, Anegon I, Huchet C, Malerba A, Kao B, Le Heron A, Moullier P, Dickson G, Popplewell L, Adjali O, Montanaro F, Le Guiner C. **2022** *Gene Ther*. PMID [35105949](#)
- 5 - Mixtures of persistent organic pollutants and ovarian function in women undergoing IVF. Lefebvre T, Fréour T, Ploteau S, Marchand P, Le Bizec B, Antignac JP, Cano-Sancho G. **2022** *Reprod Biomed Online*. PMID [36283934](#)
- 6 - Endoplasmic reticulum-mitochondria signaling in neurons and neurodegenerative diseases. Markovinovic A, Greig J, Martín-Guerrero SM, Salam S, Paillusson S. **2022** *J Cell Sci*. PMID [35129196](#)
- 7 - TNB-738, a biparatopic antibody, boosts intracellular NAD<sup>+</sup> by inhibiting CD38 ecto-enzyme activity. Ugamraj HS, Dang K, Ouisse LH, Buelow B, Chini EN, Castello G, Allison J, Clarke SC, Davison LM, Buelow R, Deng R, Iyer S, Schellenberger U, Manika SN, Bijpuria S, Musnier A, Poupon A, Cuturi MC, van Schooten W, Dalvi P. **2022** *MAbs*. PMID [35867844](#)
- 8 - IL-34 deficiency impairs FOXP3<sup>+</sup> Treg function in a model of autoimmune colitis and decreases immune tolerance homeostasis. Freuchet A, Salama A, Bézie S, Tesson L, Rémy S, Humeau R, Règue H, Sérazin C, Flippe L, Peterson P, Vimond N, Usal C, Ménoret S, Heslan JM, Duteille F, Blanchard F, Giral M, Colonna M, Anegon I, Guillonnet C. **2022** *Clin Transl Med*. PMID [36030499](#)
- 9 - Thymocytes trigger self-antigen-controlling pathways in immature medullary thymic epithelial stages. Lopes N, Boucherit N, Santamaria JC, Provin N, Charaix J, Ferrier P, Giraud M, Irla M. **2022** *Elife*. PMID [35188458](#)
- 10 - Aire-dependent transcripts escape Raver2-induced splice-event inclusion in the thymic epithelium. Padonou F, Gonzalez V, Provin N, Yayilkan S, Jmari N, Maslovskaja J, Kisand K, Peterson P, Irla M, Giraud M. **2022** *EMBO Rep*. PMID [35037357](#)
- 11 - Recirculating Foxp3<sup>+</sup> regulatory T cells are restimulated in the thymus under Aire control. Charaix J, Borelli A, Santamaria JC, Chasson L, Giraud M, Sergé A, Irla M. **2022** *Cell Mol Life Sci*. PMID [35678896](#)
- 12 - Associations between internal concentrations of fluorinated and organochlorinated chemicals in women and in vitro fertilization outcomes: A multi-pollutant study. Lefebvre T, Fréour T, Duval G, Ploteau S, Marchand P, Le Bizec B, Antignac JP, Cano-Sancho G. **2022** *Environ Pollut*. PMID [36087895](#)
- 13 - Patients With Severe Multiple Sclerosis Exhibit Functionally Altered CD8<sup>+</sup> Regulatory T Cells. Benallegue N, Nicol B, Lasselin J, Bézie S, Flippe L, Regue H, Vimond N, Remy S, Garcia A, Le Frère F, Anegon I, Laplaud D, Guillonnet C. **2022** *Neurol Neuroimmunol Neuroinflamm*. PMID [36266052](#)
- 14 - DNA-induced spatial entrapment of general transcription machinery can stabilize gene expression in a nondividing cell. Javed K, Jullien J, Agarwal G, Lawrence N, Butler R, Ioannou PS, Nazir F, Gurdon JB. **2022** *Proc Natl Acad Sci USA*. PMID [35074915](#)

- 15 - Multimodality imaging and transcriptomics to phenotype mitral valve dystrophy in a unique knock-in Filamin-A rat model. Delwarde C, Toquet C, Aumond P, Kayvanjoo AH, Foucal A, Le Vely B, Baudic M, Lauzier B, Blandin S, Véziers J, Paul-Gilloteaux P, Lecointe S, Baron E, Massiau I, Poggio P, Rémy S, Anegon I, Le Marec H, Monassier L, Schott JJ, Mass E, Barc J, Le Tourneau T, Merot J, Capoulade R. **2022** *Cardiovasc Res*. PMID [36001550](#)
- 16 - NANOG initiates epiblast fate through the coordination of pluripotency genes expression. Allègre N, Chauveau S, Dennis C, Renaud Y, Meistermann D, Estrella LV, Pouchin P, Cohen-Tannoudji M, David L, Chazaud C. **2022** *Nat Commun*. PMID [35729116](#)
- 17 - Anti-CD45RC antibody immunotherapy prevents and treats experimental Autoimmune PolyEndocrinopathy Candidiasis Ectodermal Dystrophy syndrome. Besnard M, Sérazin C, Ossart J, Moreau A, Vimond N, Flippe L, Sein H, Smith GA, Pittaluga S, Ferré EM, Usal C, Anegon I, Ranki A, Lionakis MS, Peterson P, Guillonneau C. **2022** *J Clin Invest*. PMID [35167497](#)
- 18 - Modeling human extraembryonic mesoderm cells using naive pluripotent stem cells. Pham TXA, Panda A, Kagawa H, To SK, Ertekin C, Georgolopoulos G, van Knippenberg SSFA, Allsop RN, Bruneau A, Chui JS, Vanheer L, Janiszewski A, Chappell J, Oberhuemer M, Tchinda RS, Talon I, Khodeer S, Rossant J, Lluis F, David L, Rivron N, Balaton BP, Pasque V. **2022** *Cell Stem Cell*. PMID [36055191](#)
- 19 - Monocyte Signature Associated with Herpes Simplex Virus Reactivation and Neurological Recovery After Brain Injury. Chaumette T, Cinotti R, Mollé A, Solomon P, Castain L, Fourgeux C, McWilliam HE, Misme-Aucouturier B, Broquet A, Jacqueline C, Vourc'h M, Fradin D, Bossard C, David L, Montassier E, Braudeau C, Josien R, Villadangos JA, Asehnoune K, Bressollette-Bodin C, Poschmann J, Roquilly A. **2022** *Am J Respir Crit Care Med*. PMID [35486851](#)
- 20 - A time-lapse embryo dataset for morphokinetic parameter prediction. Gomez T, Feyeux M, Boulant J, Normand N, David L, Paul-Gilloteaux P, Fréour T, Mouchère H. **2022** *Data Brief*. PMID [35599827](#)
- 21 - TRAIL-Based Therapies Efficacy in Pediatric Bone Tumors Models Is Modulated by TRAIL Non-Apoptotic Pathway Activation via RIPK1 Recruitment. Brion R, Gantier M, Biteau K, Taurelle J, Brounais-Le Royer B, Verrecchia F, Rédini F, Guiho R. **2022** *Cancers*. PMID [36428719](#)
- 22 - Naive Pluripotent and Trophoblastic Stem Cell Lines as a Model for Detecting Missing Proteins in the Context of the Chromosome-Centric Human Proteome Project. Girard O, Lavigne R, Chevolleau S, Onfray C, Com E, Schmit PO, Chapelle M, Fréour T, Lane L, David L, Pineau C. **2022** *J Proteome Res*. PMID [36445260](#)
- 23 - Maintenance of methylation profile in imprinting control regions in human induced pluripotent stem cells. Pham A, Selenou C, Giabicani E, Fontaine V, Marteau S, Brioude F, David L, Mitanchez D, Sobrier ML, Netchine I. **2022** *Clin Epigenetics*. PMID [36578048](#)
- 24 - Generation of CD34+CD43+ Hematopoietic Progenitors to Induce Thymocytes from Human Pluripotent Stem Cells. Flippe L, Gaignerie A, Sérazin C, Baron O, Saulquin X, Anegon I, David L, Guillonneau C. **2022** *Cells*. PMID [36552810](#)
- 25 - Sexual function in heterosexual couples undergoing assisted reproductive technology (ART) cycles with donor sperm. Le Goff J, Reignier A, Mirallie S, Dubourdieu S, Barrière P, Fréour T, Lefebvre T. **2022** *Arch Gynecol Obstet*. PMID [36480033](#)
- 26 - Oral Delivery of miR-320-3p with Lipidic Aminoglycoside Derivatives at Mid-Lactation Alters miR-320-3p Endogenous Levels in the Gut and Brain of Adult Rats According to Early or Regular Weaning. Tavares GA, Torres A, Le Drean G, Queignec M, Castellano B, Tesson L, Remy S, Anegon I, Pitard B, Kaeffer B. **2022** *Int J Mol Sci*. PMID [36613633](#)
- 27 - A real-world study of ART in France (REOLA) comparing a biosimilar rFSH against the originator according to rFSH starting dose. Barrière P, Hamamah S, Arbo E, Avril C, Salle B, Pouly JL, Jenkins J; REOLA study group. **2022** *J Gynecol Obstet Hum Reprod*. PMID [36403900](#)

## Review, Editorial, Comments

- 1 - Federation of Clinical Immunology Societies Goes South 2021: advanced course on molecular and cellular translational immunology. Diethelm-Varela B, Reyes A, Rosenstein Y, Kalil J, Hill M, Docena G, Anegon I, González PA, Kalergis AM. **2022** *Immunotherapy*. PMID [35757836](#)
- 2 - Differentiation of Pluripotent Stem Cells Into Thymic Epithelial Cells and Generation of Thymic Organoids: Applications for Therapeutic Strategies Against APECED. Provin N, Giraud M. **2022** *Front Immunol*. PMID [35844523](#)

- 3 - Induction of human trophoblast stem cells. Castel G, David L. **2022** *Nat Protoc.* PMID [36241723](#)
- 4 - Generation of a Human Deafness Sheep Model Using the CRISPR/Cas System. Crispo M, Chenouard V, Dos Santos-Neto P, Tesson L, Souza-Neves M, Heslan JM, Cuadro F, Anegón I, Menchaca A. **2022** *Methods Mol Biol.* PMID [35696036](#)
- 5 - Generation of Double-Muscled Sheep and Goats by CRISPR /Cas9-Mediated Knockout of the Myostatin Gene. Kalds P, Crispo M, Li C, Tesson L, Anegón I, Chen Y, Wang X, Menchaca A. **2022** *Methods Mol Biol.* PMID [35696040](#)
- 6 - Accessing the human trophoblast stem cell state from pluripotent and somatic cells. Karvas RM, David L, Theunissen TW. **2022** *Cell Mol Life Sci.* PMID [36434136](#)