

Team2 - 2025

2025-12-15

Original Articles

- 1 - Sperm derived H2AK119ub1 is required for embryonic development in *Xenopus laevis*. Francois-Campion V, Berger F, Oikawa M, Goumeidane M, Mouni   N, Chenouard V, Petrova K, Abreu JG, Fourgeux C, Poschmann J, Peshkin L, Gibeaux R, Jullien J. **2025** *Nat Commun.* PMID [40188103](#)
- 2 - Single cell profiling of circulating autoreactive CD4 T cells from patients with autoimmune liver diseases suggests tissue imprinting. Cardon A, Guinebreti  re T, Dong C, Gil L, Ado S, Gavlovsky PJ, Braud M, Danger R, Schulthei   C, Dom  n   A, Paul-Gilloteaux P, Chevalier C, Bernier L, Judor JP, Fourgeux C, Imbert A, Khaldi M, Bardou-Jacquet E, Elkrief L, Lannes A, Silvain C, Schnee M, Tanne F, Vavasseur F, Brusselle L, Brouard S, Kwok WW, Mosnier JF, Lohse AW, Poschmann J, Binder M, Gournay J, Conchon S, Milpied P, Renand A. **2025** *Nat Commun.* PMID [39880819](#)
- 3 - New soluble CSF-1R-dimeric mutein with enhanced trapping of both CSF-1 and IL-34 reduces suppressive tumor-associated macrophages in pleural mesothelioma. Joalland N, Qu  m  ner A, Deshayes S, Humeau R, Maillasson M, LeBihan H, Salama A, Fresquet J, Remy S, Mortier E, Blanquart C, Guillonneau C, Anegon I. **2025** *J Immunother Cancer.* PMID [40101804](#)
- 4 - Human pluripotent stem cell-derived hepatic progenitors exhibit a partially hypoimmunogenic phenotype and actively inhibit immune responses. Gantier M, M  noret S, Fourrier A, Delbos F, Nguyen TH, Anegon I. **2025** *Front Immunol.* PMID [40070824](#)
- 5 - Anti-TNF as an Adjunctive Therapy in Pancreas and Kidney Transplantation. Masset C, Mesnard B, Rousseau O, Walencik A, Chelghaf I, Giral M, Houzet A, Blancho G, Dantal J, Branchereau J, Garandeau C, Cantarovitch D. **2025** *Transpl Int.* PMID [40170787](#)
- 6 - Ultra-Fast Warming Procedure of Vitrified Blastocysts Results in Maintained Embryology and Clinical Outcomes. Lammers J, Reignier A, Loubersac S, Chaillot M, Freour T. **2025** *Reprod Sci.* PMID [39786712](#)
- 7 - ProAKAP4 concentration in fresh canine semen and its correlation with motility parameters. Bencharif D, Belala R, Mimoune N, Le Couazer D, Farnia H. **2025** *Vet Anim Sci.* PMID [40343160](#)
- 8 - Generation of a compound heterozygous ABCA4 rat model with pathological features of STGD1. Morival C, Croyal M, Remy S, Mortier E, Libeau L, Veziers J, Provost N, Demilly J, Mendes-Madeira A, Isiegas C, Tesson L, Anegon I, Adjali O, Cronin T. **2025** *Hum Mol Genet.* PMID [40273359](#)
- 9 - Characteristics, determinants of decision-making process and experience of French men undergoing vasectomy: a cross-sectional multicentric study. Loubersac S, Chaillot M, Loubersac T, Reignier A, Freour T. **2025** *Eur J Contracept Reprod Health Care.* PMID [40366809](#)
- 10 - Can Humanized Immune System Mouse and Rat Models Accelerate the Development of Cytomegalovirus-Based Vaccines Against Infectious Diseases and Cancers? Craft K, Amanor A, Barnett I, Donaldson C, Anegon I, Madduri S, Tang Q, Bility MT. **2025** *Int J Mol Sci.* PMID [40243710](#)
- 11 - Comparison of serum inhibin A and estradiol levels for monitoring ovarian stimulation in IVF: a preliminary study. Chaillot M, Inquel A, Reignier A, Loubersac S, Fr  our T. **2025** *J Gynecol Obstet Hum Reprod.* PMID [40541680](#)
- 12 - Impaired Aire-dependent IFN signaling in the thymus precedes the protective autoantibodies to IFN  lpha. Stoljar A, Zarodniuk M, Bichele R, Armulik EH, Haljasorg U, Humeau R, Besnard M, Haljasm  gi L, Tserel L, Peltser M, Salumets A, Kek  l  inen E, Kisand K, Guillonneau C, Laan M, Peterson P. **2025** *J Exp Med.* PMID [40304722](#)

- 13 - Deep exploration of logical models of cell differentiation in human preimplantation embryos. Bolteau M, Messaoudi C, David L, Bourdon J, Guziolowski C. **2025** *NPJ Syst Biol Appl*. PMID [40425601](#)
- 14 - Blame it on my youth': when very young age of oocyte donors appears to be associated with poorer embryo development. Roca-Feliu M, Clua E, Pons MC, García S, Freour T, Polyzos NP. **2025** *Reprod Biomed Online*. PMID [40413852](#)
- 15 - Probing the Genomic Distribution of Histone Modifications in Egg Extract-Treated Sperm Nuclei. Berger F, Jullien J. **2025** *Methods Mol Biol*. PMID [40418440](#)
- 16 - Bone morphogenetic protein-9 controls pulmonary vascular growth and remodeling. Berrebeh N, Mbouamboua Y, Thuillet R, Ottaviani M, Robert F, Kamel Chelgham M, Magnone V, Desroches-Castan A, Ricard N, Anegon I, Remy S, Schermuly RT, Lebrigand K, Kojonazarov B, Savale L, Humbert M, Bailly S, Barbry P, Tu L, Guignabert C. **2025** *Proc Natl Acad Sci USA*. PMID [40549904](#)
- 17 - HUMESS: integrating quantitative transcriptomic analysis and metabolic modeling to unveil condition-specific gene signatures. Paré L, Bordron P, David L, Mahé M, Bihouée A, Eveillard D. **2025** *Bioinformatics*. PMID [40796362](#)
- 18 - Fertility preservation for transgender, non-binary, and gender-expansive individuals in France: A comprehensive assessment of healthcare services and practices. Chaillot M, Brouillet S, Ranisavljevic N, Ducrocq B, Mayeur A, Keriven-Dessomme B, Freour T, Morel S, Reignier A. **2025** *J Gynecol Obstet Hum Reprod*. PMID [40721111](#)
- 19 - Impact of serum progesterone level on the day of embryo transfer on live birth rate after single frozen-thawed blastocyst transfer in hormone replacement therapy cycles. Pérennec A, Goronflot T, Leperlier F, Fréour T, Chaillot M. **2025** *J Gynecol Obstet Hum Reprod*. PMID [40915354](#)
- 20 - Comparison of clinical outcome after intrauterine insemination with donor semen in single women, lesbian couples and heterosexual couples. Godinho M, Chaillot M, Bouée S, Reignier A, Fréour T. **2025** *J Assist Reprod Genet*. PMID [41083664](#)
- 21 - Two subsets of regulatory CD8+ T cells with differential transcriptome revealed by single cell analysis. Sérazin C, Dugast L, Flippe L, Streitz M, Wendering DJ, Schlickeiser S, Heinrich F, Durek P, Guerra GM, Lehmann K, Mashreghi MF, Wajant H, Volk HD, Anegon I, David L, Bézie S, Guillonneau C. **2025** *iScience*. PMID [41069847](#)
- 22 - Phenotypic characterization of an Atp13a2 knockout rat model of Parkinson's disease. Kinet R, Sikora J, Arotcarena ML, Decourt M, Balado E, Doudnikoff E, Bohic S, Vesnaver M, Lovisotto A, Thiolat ML, Dutheil N, Mazzocco C, Harhoury K, Steinschneider R, Menoret S, Tesson L, Anegon I, Morari M, Vila M, Georges F, Bezard E, Fernagut PO, Dehay B. **2025** *NPJ Parkinsons Dis*. PMID [41253848](#)
- 23 - Combination of Orail inhibitor CM5480 with specific therapy mitigates pulmonary hypertension and its cardiac dysfunction. Willer AS, Ruffenach G, Masson B, El Jekmek K, Boët A, Adão R, Gourmelon M, Beauvais A, Sabourin J, Dutheil M, Ghigna MR, Tesson L, Ménoret S, Anegon I, Bauer F, de Montpréville V, Hebbar S, Brás-Silva C, Stauderman K, Humbert M, Mercier O, Montani D, Capuano V, Antigny F. **2025** *JCI Insight*. PMID [41212057](#)
- 24 - First-in-class anti-human CD45RC antibody targets CD45RChigh T and B cells to mitigate pathogenic immune responses. Bergua C, Ahmil-Boiteau G, Ouisse LH, Vimond N, Sérazin C, Dugast L, Humeau R, Salama A, Tesson L, Swinnen K, Van Brempt R, Collette A, Anegon I, Guillonneau C. **2025** *Mol Ther*. PMID [41174880](#)
- 25 - Inhibition of CD38 enzyme activity on engrafted human immune cells enhances NAD+ metabolism and inhibits inflammation in an in-vivo model of xeno-GvHD. Ahmil-Boiteau G, Dalvi P, Dang K, Ugamraj HS, Castello G, Allison J, Schellenberger U, Buelow R, Iyer S, Buelow B, Chini E, Blazar B, Cuturi MC, van Schooten W, Ouisse LH. **2025** *Front Immunol*. PMID [41159029](#)

Review, Editorial, Comments

- 1 - The Autoimmune Regulator (AIRE) Gene, The Master Activator of Self-Antigen Expression in the Thymus. Giraud M, Peterson P. **2025** *Adv Exp Med Biol*. PMID [40067588](#)
- 2 - Methodological concerns and clinical relevance: a critical appraisal of the meta-analysis on biosimilars versus originator follitropin alfa in ART. Santulli P, Brandão P, D'Amato G, Grynberg M, Hamamah S, Luco MI, Marci R, Salle B, Freour T. **2025** *Hum Reprod*. PMID [40713809](#)