

Team4 - 2020

Original Articles

- 1 - Transcriptional meta-analysis of regulatory B cells Dubois F, Limou S, Chesneau M, Degauque N, Brouard S, Danger R **2020** *Eur J Immunol*. PMID [32529638](#)
- 2 - Terminally Differentiated Effector Memory CD8(+) T Cells Identify Kidney Transplant Recipients at High Risk of Graft Failure. Jacquemont L, Tilly G, Yap M, Doan-Ngoc TM, Danger R, Guerif P, Delbos F, Martinet B, Giral M, Foucher Y, Brouard S, Degauque N **2020** *J Am Soc Nephrol*. PMID [32165419](#)
- 3 - FB5P-seq: FACS-Based 5-Prime End Single-Cell RNA-seq for Integrative Analysis of Transcriptome and Antigen Receptor Repertoire in B and T Cells. Attaf N, Cervera-Marzal I, Dong C, Gil L, Renand A, Spinelli L, Milpied P **2020** *Front Immunol*. PMID [32194545](#)
- 4 - Toward a better definition of hematopoietic progenitors suitable for B cell differentiation. Dubois F, Gaignerie A, Flippe L, Heslan JM, Tesson L, Chesneau M, Haspot F, Conchon S, David L, Brouard S. **2020** *PloS One*. PMID [33320872](#)
- 5 - Monocytic human leukocyte antigen DR expression in young infants undergoing cardiopulmonary bypass Chenouard A, Rimbert M, Joram N, Braudeau C, Roquilly A, Bourgoin P, Asehnoune K; ImmunoPed Group. **2020** *Ann Thorac Surg*. PMID [32652073](#)
- 6 - Association between Neu5Gc carbohydrate and serum antibodies against it provides the molecular link to cancer: French NutriNet-Sante study. Bashir S, Fezeu LK, Leviatan Ben-Arye S, Yehuda S, Reuven EM, Szabo de Edelenyi F, Fellah-Hebia I, Le Tourneau T, Imbert-Marcille BM, Drouet EB, Touvier M, Roussel JC, Yu H, Chen X, Herberg S, Cozzi E, Soullillou JP, Galan P, Padler-Karavani V. **2020** *BMC Med*. PMID [32962714](#)
- 7 - Tacrolimus- versus Sirolimus-based immunosuppression after simultaneous pancreas and kidney transplantation: 5 years results of a randomised trial Cantarovich D, Kervella D, Karam G, Dantal J, Blancho G, Giral M, Garandeau C, Houzet A, Ville S, Branchereau J, Delbos F, Guillot-Gueguen C, Volteau C, Leroy M, Renaudin K, Soullillou JP, Hourmant M. **2020** *Am J Transplant*. PMID [32022990](#)
- 8 - Distinct peripheral blood molecular signature emerges with successful tacrolimus withdrawal in kidney transplant recipients Cravedi P, Fribourg M, Zhang W, Yi Z, Zaslavsky E, Nudelman G, Anderson L, Hartzell S, Brouard S, Heeger PS **2020** *Am J Transplant*. PMID [32459070](#)
- 9 - Diagnostic performance of kSORT, a blood-based mRNA assay for non-invasive detection of rejection after kidney transplantation: a retrospective multicenter cohort study Van Loon E, Giral M, Anglicheau D, Lerut E, Dubois V, Rabeyrin M, Brouard S, Roedder S, Spigarelli MG, Rabant M, Bogaerts K, Naesens M, Thaunat O **2020** *Am J Transplant*. PMID [32627407](#)
- 10 - Long-Term Rituximab Use to Maintain Remission of Antineutrophil Cytoplasmic Antibody-Associated Vasculitis: A Randomized Trial. Charles P, Perrodeau e, Samson M, Bonnotte B, Neel A, Agard C, Huart A, Karras A, Lifermann F, Godmer P, Cohen P, Hanrotel-Saliou C, Martin-Silva N, Pugnet G, Maurier F, Sibia J, Carron PL, Gobert P, Meaux-Ruault N, Le Gallou T, Vinzio S, Viillard JF, Hachulla E, Vinter C, Puechal X, Terrier B, Ravaut P, Mouthon L, Guillevin L **2020** *Ann Intern Med*. PMID [32479166](#)
- 11 - Ex-situ hypothermic perfusion of non-human primate pancreas: A feasibility study Prudhomme T, Renaudin K, Lo Faro L, Cantarovich D, Kervella D, Minault D, Hervouet J, Le Bas-Bernardet S, Karam G, Blancho G, Branchereau J **2020** *Artif Organs*. PMID [31995645](#)
- 12 - Targeting MHC Regulation Using Polycyclic Polyprenylated Acylphloroglucinols Isolated from *Garcinia bancana*. Coste C, Gerard N, Dinh CP, Bruguière A, Rouger C, Leong ST, Awang K, Richomme P, Derbre S, Charreau B. **2020** *Biomolecules*. PMID [32887413](#)
- 13 - Characteristics of MGUS and Multiple Myeloma According to the Target of Monoclonal Immunoglobulins, Glucosylsphingosine, or Epstein-Barr Virus EBNA-1. Bosseboeuf A, Mennesson N, Allain-Maillet S, Tallet A, Piver

- E, Decaux O, Moreau C, Moreau P, Lehours P, Megraud F, Salle V, Bigot-Corbel E, Harb J, Hermouet S. **2020** *Cancers*. PMID [32429322](#)
- 14 - Targeting the interleukin-7 receptor alpha by an anti-CD127 monoclonal antibody improves allergic airway inflammation in mice Le Mai H, Van Ha Nguyen T, Bouchaud G, Henrio K, Cheminant MA, Magnan A, Brouard S. **2020** *Clin Exp Allergy*. PMID [32418317](#)
- 15 - Association between Use of Hydrochlorothiazide and Risk of Keratinocyte Cancers in Kidney Transplant Recipients. Letellier T, Leborgne F, Kerleau C, Gaultier A, Dantal J, Ville S; Divat Consortium. **2020** *Clin J Am Soc Nephrol*. PMID [33172936](#)
- 16 - Prognostic value for long-term graft survival of estimated glomerular filtration rate and proteinuria quantified at 3 months after kidney transplantation Mottola C, Girerd N, Duarte K, Aarnink A, Giral M, Dantal J, Garrigue V, Mourad G, Buron F, Morelon E, Ladrière M, Kessler M, Frimat L, Girerd S; DIVAT Consortium. **2020** *Clin Kidney J*. PMID [33125000](#)
- 17 - Long-Term Follow-up of Gastric Precancerous Lesions in a Low GC Incidence Area Chapelle N, Peron M, Queneherve L, Bourget A, Leroy M, Touchefeu Y, Cauchin E, Coron E, Mosnier JF, Matysiak-Budnik T **2020** *Clin Transl Gastroen*. PMID [33512802](#)
- 18 - Total Pancreatectomy and Pancreatic Allotransplant in a Porcine Experimental Model Prudhomme T, Kervella D, Ogbemudia AE, Gauttier V, Renaudin K, Mesnard B, Minault D, Hervouet J, Le Bas-Bernardet S, Cantarovich D, Karam G, Blancho G, Branchereau J **2020** *Exp Clin Transplant*. PMID [32519619](#)
- 19 - Distribution of Bacterial α 1,3-Galactosyltransferase Genes in the Human Gut Microbiome Montassier E, Al-Ghalith GA, Mathe C, Le Bastard Q, Douillard V, Garnier A, Guimon R, Raimondeau B, Touchefeu Y, Duchalais E, Vince N, Limou S, Gourraud PA, Laplaud DA, Nicot AB, Soullillou JP, Berthelot L **2020** *Front Immunol*. PMID [31998300](#)
- 20 - Der p 2.1 Peptide Abrogates House Dust Mites-Induced Asthma Features in Mice and Humanized Mice by Inhibiting DC-Mediated T Cell Polarization. Klein M, Colas L, Cheminant MA, Brosseau C, Sauzeau V, Magnan A, Bouchaud G. **2020** *Front Immunol*. PMID [33312170](#)
- 21 - Cytokine Signature in Schnitzler Syndrome: Proinflammatory Cytokine Production Associated to Th Suppression. Masson Regnault M, Frouin E, Jeru I, Delwail A, Charreau S, Barbarot S, Neel A, Masseur A, Puechal X, Kyndt X, Gayet S, Lifermann F, Asli B, Balguerie X, Blanchard-Delaunay C, Aubin F, Rizzi R, Rongioletti F, Boye T, Gusdorf L, Bessis D, Morel F, Hainaut E, Lipsker D, Lecron JC. **2020** *Front Immunol*. PMID [33324407](#)
- 22 - Complete post-mortem data in a fatal case of COVID-19: clinical, radiological and pathological correlations. Ducloyer M, Gaborit B, Toquet C, Castain L, Bal A, Arrigoni PP, Lecomte R, Clement R, Sagan C. **2020** *Int J Legal Med*. PMID [32767018](#)
- 23 - Missing Self-Induced Activation of NK Cells Combines with Non-Complement-Fixing Donor-Specific Antibodies to Accelerate Kidney Transplant Loss in Chronic Antibody-Mediated Rejection. Koenig A, Mezaache S, Callemeyn J, Barba T, Mathias V, Sicard A, Charreau B, Rabeyrin M, Dijoud F, Picard C, Meas-Yedid V, Olivo-Marin JC, Morelon E, Naesens M, Dubois V, Thauinat O. **2020** *J Am Soc Nephrol*. PMID [33239394](#)
- 24 - Selective SIRPa blockade reverses tumor T cell exclusion and overcomes cancer immunotherapy resistance. Gauttier V, Pengam S, Durand J, Biteau K, Mary C, Morello A, Neel M, Porto G, Teppaz G, Thepenier V, Danger R, Vince N, Wilhelm E, Girault I, Abes R, Ruiz C, Trilleaud C, Ralph KL, Trombetta ES, Garcia A, Vignard V, Martinet B, Glemain A, Bruneau S, Haspot F, Dehmani S, Duplouye P, Miyasaka M, Labarrière N, Laplaud D, Le Bas-Bernardet S, Blanquart C, Catros V, Gourraud PA, Archambeaud I, Auble H, Metairie S, Mosnier JF, Costantini D, Blancho G, Conchon S, Vanhove B, Poirier N. **2020** *J Clin Invest*. PMID [33074246](#)
- 25 - Integrative molecular profiling of autoreactive CD4 T cells in autoimmune hepatitis Renand A, Cervera-Marzal I, Gil L, Dong C, Garcia A, Kervagoret E, Auble H, Habes S, Chevalier C, Vavasseur F, Clemenceau B, Cardon A, Judor JP, Mosnier JF, Tanne F, Laplaud DA, Brouard S, Gournay J, Milpied P, Conchon S. **2020** *J Hepatol*. PMID [32649971](#)
- 26 - Efficient Expansion of Human Granzyme B-Expressing B Cells with Potent Regulatory Properties. Chesneau M, Mai HL, Danger R, Le Bot S, Nguyen TV, Bernard J, Poullaouec C, Guerrif P, Conchon S, Giral M, Charreau B, Degauque N, Brouard S. **2020** *J Immunol*. PMID [32948686](#)
- 27 - Time-dependent lymphocyte count after transplantation is associated with higher risk of graft failure and death. Dujardin A, Lorent M, Foucher Y, Legendre C, Kerleau C, Brouard S, Giral M; DIVAT consortium. **2020** *Kidney Int*. PMID [32891605](#)

- 28 - Clinical and immunological follow-up of very long-term kidney transplant recipients treated with calcineurin inhibitors indicates dual phenotypes. Dujardin A, Chesneau M, Dubois F, Danger R, Bui L, Kerleau C, Guerif P, Brouard S, Dantal J. **2020** *Kidney Int.* PMID [33137335](#)
- 29 - IMPact of the COVID-19 epidemic on the moRTALity of kidney transplant recipients and candidates in a French Nationwide registry sTudy (IMPORTANT). Thaumat O, Legeai C, Anglicheau D, Couzi L, Blancho G, Hazzan M, Pastural M, Savoye E, Bayer F, Morelon E, Le Meur Y, Bastien O, Caillard S; French nationwide Registry of Solid Organ Transplant Recipients with COVID-19. **2020** *Kidney Int.* PMID [33137341](#)
- 30 - Comparison of machine perfusion versus cold storage in kidney transplant recipients from expanded criteria donors: a cohort-based study. Foucher Y, Fournier MC, Legendre C, Morelon E, Buron F, Girerd S, Ladrière M, Mourad G, Garrigue V, Glotz D, Lefaucheur C, Cassuto E, Albano L, Giral M, Dantal J; DIVAT Consortium. **2020** *Nephrol Dial Transplant.* PMID [32516809](#)
- 31 - Induction therapy in kidney transplant recipients: Description of the practices according to the calendar period from the French multicentric DIVAT cohort. Bouquemont J, Foucher Y, Masset C, Legendre C, Scemla A, Buron F, Morelon E, Garrigue V, Pernin V, Albano L, Sicard A, Girerd S, Ladrière M, Giral M, Dantal J; DIVAT consortium. **2020** *PLoS One.* PMID [33091057](#)
- 32 - G-computation, propensity score-based methods, and targeted maximum likelihood estimator for causal inference with different covariates sets: a comparative simulation study. Chatton A, Le Borgne F, Leyrat C, Gillaizeau F, Rousseau C, Barbin L, Laplaud D, Leger M, Giraudeau B, Foucher Y. **2020** *Sci Rep.* PMID [32514028](#)
- 33 - Multiscale fluorescent tracking of immune cells in the liver with a highly biocompatible far-red emitting polymer probe Daniel M, Dubreil L, Fleurisson R, Judor JP, Bresson T, Brouard S, Favier A, Charreyre MT, Conchon S. **2020** *Sci Rep.* PMID [33067572](#)
- 34 - The weekend effect in kidney transplantation outcomes: a French cohort-based study. Ville S, Branchereau J, Cornuau A, Dantal J, Legendre C, Buron F, Morelon E, Garrigue V, Lequentrec M, Albano L, Cassuto E, Girerd S, Ladrière M, Glotz D, Lefaucheur C, Kerleau C, Foucher Y, Giral M; DIVAT consortium. **2020** *Transpl Int.* PMID [32428980](#)
- 35 - Successful Pancreas Allotransplantations after Hypothermic Machine Perfusion in a Novel Diabetic Porcine Model: A Controlled Study. Prudhomme T, Kervella D, Ogbemudia AE, Gauttier V, Le Bas-Bernardet S, Minault D, Hervouet J, Cantarovich D, Karam G, Renaudin K, Blancho G, Branchereau J. **2020** *Transpl Int.* PMID [33275807](#)
- 36 - External Validation of the DynPG for Kidney Transplant Recipients. Lenain R, Dantan E, Giral M, Foucher Y, Asar Ö, Naesens M, Hazzan M, Fournier MC. **2020** *Transplantation.* PMID [32108750](#)
- 37 - Overexpression of the Msk1 Kinase in Patients With Chronic Lung Allograft Dysfunction and its Confirmed Role in a Murine Model. Nemska S, Daubeuf F, Obrecht A, Israel-Biet D, Stern M, Kessler R, Roux A, Tavakoli R, Villa P, Tissot A, Danger R, Reber L, Durand E, Foureau A, Brouard S, Magnan A, Frossard N; COLT consortium. **2020** *Transplantation.* PMID [33560725](#)
- 38 - Resurgence of BK Virus following Covid-19 in kidney transplant recipients. Masset C, Ville S, Halary F, Gaborit B, Bressolette-Bodin C, Deltombe C, Dujardin A, Jacquemont L, Lebot S, Kervella D, Figueres L, Cantarovich D, Giral M, Hourmant M, Blancho G, Garandeau C, Meurette A, Dantal J. **2020** *Transpl Infect Dis.* PMID [32939955](#)
- 39 - Analysis of the Targets and Glycosylation of Monoclonal IgAs From MGUS and Myeloma Patients Bosseboeuf A, Seillier C, Mennesson N, Allain-Maillet S, Fourny M, Tallet A, Piver E, Lehours P, Megraud F, Berthelot L, Harb J, Bigot-Corbel E, Hermouet S. **2020** *Front Immunol.* PMID [32536913](#)
- 40 - SMILE: a predictive model for Scoring the severity of relapses in Multiple sclERosis. Lejeune F, Chatton A, Laplaud DA, Le Page E, Wiertelowski S, Edan G, Kerbrat A, Veillard D, Hamonic S, Jousset N, Le Frère F, Ouallet JC, Brochet B, Ruet A, Foucher Y, Michel L. **2020** *J Neurol.* PMID [32902734](#)
- 41 - Clinical Characteristics and Outcomes in Patients With Coronavirus Disease 2019 and Multiple Sclerosis. Louapre C, Collongues N, Stankoff B, Giannesini C, Papeix C, Bensa C, Deschamps R, Creange A, Wahab A, Pelletier J, Heinzle O, Labauge P, Guilloton L, Ahle G, Goudot M, Bigaut K, Laplaud DA, Vukusic S, Lubetzki C, De Sèze J; Covisep investigators. **2020** *JAMA Neurol.* PMID [32589189](#)
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- 43 - Oral norgestrel acetate and transdermal 17-beta-estradiol for preventing post-partum relapses in multiple sclerosis: The POPARTMUS study. Vukusic S, Ionescu I, Cornu C, Bossard N, Durand-Dubief F, Cotton F, Durelli L, Marignier R, Gignoux L, Laplaud DA, Moreau T, Clavelou P, De Seze J, Debouverie M, Brassat D, Pelletier J, Lebrun-Frenay C, Le Page E, Castelnovo G, Berger E, Hautecoeur P, Heinzlef O, Trojano M, Patti F, Baulieu EE, Remontet L, El-Etr M. **2020** *Mult Scler*. PMID [33269975](#)
- 44 - Gut bacteria *Akkermansia* elicit a specific IgG response in CSF of patients with MS. Vallino A, Dos Santos A, Mathe CV, Garcia A, Morille J, Dugast E, Shah SP, Hery-Arnaud G, Guilloux CA, Gleeson PJ, Monteiro RC, Soullillou JP, Harb J, Bigot-Corbel E, Michel L, Wiertlewski S, Nicot AB, Laplaud DA, Berthelot L. **2020** *Neurol Neuroimmunol Neuroinflamm*. PMID [32123045](#)
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Review, Editorial, Comments

- 1 - B cells and extracellular vesicles: New key players in solid organ transplantation? Colas L, Brouard S. **2020** *Am J Transplant*. PMID [32777133](#)
- 2 - Mechanisms of autoimmune hepatitis. Cardon A, Conchon S, Renand A. **2020** *Curr Opin Gastroen*. PMID [33315790](#)
- 3 - Tetraspanins: useful multifunction proteins for the possible design and development of small-molecule therapeutic tools. Robert JH, Amoussou NG, Le Mai H, Loge C, Brouard S. **2020** *Drug Discov Today*. PMID [33137483](#)
- 4 - Challenging the Role of Diet-Induced Anti-Neu5Gc Antibodies in Human Pathologies Soullillou JP, Cozzi E, Bach JM **2020** *Front Immunol*. PMID [32655538](#)
- 5 - Editorial: Human Antibodies Against the Dietary Non-human Neu5Gc-Carrying Glycans in Normal and Pathologic States Soullillou JP, Padler-Karavani V. **2020** *Front Immunol*. PMID [32793227](#)
- 6 - Editorial: Structure, Isotypes, Targets, and Post-translational Modifications of Immunoglobulins and Their Role in Infection, Inflammation and Autoimmunity. Harb J, Wilson BS, Hermouet S. **2020** *Front Immunol*. PMID [32849630](#)
- 7 - Needs for Systems Approaches to Better Treat Individuals With Severe Asthma: Predicting Phenotypes and Responses to Treatments. Colas L, Hassoun D, Magnan A. **2020** *Front Med*. PMID [32296705](#)
- 8 - Can we extrapolate from a Cmah (-/-) Ldlr (-/-) mouse model a susceptibility for atherosclerosis in humans? Soullillou JP, Cozzi E, Galli C, Bach JM. **2020** *Proc Natl Acad Sci U S A*. PMID [31964838](#)
- 9 - Food antigens and Transglutaminase 2 in IgA nephropathy: Molecular links between gut and kidney. Abbad L, Monteiro RC, Berthelot L. **2020** *Mol Immunol*. PMID [32135400](#)
- 10 - Observatoire Français de la Sclérose en Plaques (OFSEP): A unique multimodal nationwide MS registry in France Vukusic S, Casey R, Rollot F, Brochet B, Pelletier J, Laplaud DA, De Sèze J, Cotton F, Moreau T, Stankoff B, Fontaine B, Guillemin F, Debouverie M, Clanet M **2020** *Mult Scler*. PMID [30541380](#)
- 11 - Predictive medicine in multiple sclerosis: A systematic review Havas J, Leray E, Rollot F, Casey R, Michel L, Lejeune F, Wiertlewski S, Laplaud D, Foucher Y **2020** *Mult Scler Relat Disord*. PMID [32004856](#)
- 12 - Mechanism of action of s1p receptor modulators in multiple sclerosis: The double requirement Bordet R, Camu W, De Seze J, Laplaud DA, Ouallet JC, Thouvenot E **2020** *Rev Neurol*. PMID [31757428](#)