

Publications 2019

Equipe (Joost van Merwijk) T cell-mediated Immune-Tolerance

Adoue, V., Binet, B., Malbec, A., Fourquet, J., Romagnoli, P., van Meerwijk, J.P.M., Amigorena, S., and Joffre, O.P. The Histone Methyltransferase SETDB1 Controls T Helper Cell Lineage Integrity by Repressing Endogenous Retroviruses. **Immunity** 50, 629–644.

Adoue, V., and Joffre, O.P. Les rétrovirus endogènes : un rôle clef dans la programmation des lymphocytes T CD4. **Médecine et Sciences**. Sous presse

Gehrmann, U., Burbage, M., Zueva, E., Goudot, C., Esnault, C., Ye, M., Carpiér, JM., Burgdorf, N., Thomas H., Suarez, G., Joannas, L., Heurtebise-Chrétien, S., Durand, S., Panes, R., Bellemare-Pelletier, A., Sáez, P., Aprahamian, F., Lefevre, D., Adoue, V., Zine El Aabidine, A., Muhammad Ahmad, M., Hivroz, C., **Joffre, O.**, Cammas, F., Kroemer, G., Gagnon, E., Andrau, JC., Amigorena, S. Critical role for TRIM28 and HP1b/g in the epigenetic control of T cell metabolic reprogramming and effector differentiation. **Proc. Natl. Acad. Sci. USA**. Sous presse

Equipe (Jean-charles Guéry) Sex differences in immunity: mechanisms and pathophysiology

Domingo C, Fraissinet J, Ansah PO, Kelly CL, Bhat N, Sow SO, **Mejía JE**. Long-term immunity against yellow fever in children vaccinated during infancy: a longitudinal observational study. **The Lancet Infectious Diseases**, 2019 Dec;19(12):1363-1370. doi: 10.1016/S1473-3099(19)30323-8

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Garnier A, Laffont S, Garnier L, Kaba E, Deutsch U, Engelhardt B, and Guéry JC. CD49d/CD19-integrin controls the accumulation of plasmacytoid dendritic cells across the blood-brain barrier during neuroinflammation **Eur. J. Immunol.** 2019 Nov;49(11):2030-2043. doi: 10.1002/eji.201948086.

Guéry, JC. Why is systemic lupus erythematosus more common in women ? **Joint Bone Spine** 2019 May;86(3):297-299.

Souyris M, Mejia JE, Chaumeil J, and Guéry JC. Female predisposition to TLR7-driven systemic autoimmunity : gene dosage and the escape from X chromosome inactivation. **Semin. Immunopathol.** 2019 Mar;41(2):153-164. (invited review) <https://rdcu.be/8ijG>

Equipe (Nicolas Fazilleau / Sylvie Guerder) Antigen Presenting Cells and CD4 T cell responses

Dubois C, Martin F, Hassel C, Magnier F, Daumar P, Aubel C, **Guerder S**, Mounetou E, Penault-Lorca F, Bamdad M. Low-Dose and Long-Term Olaparib Treatment Sensitizes MDA-MB-231 and SUM1315 Triple-Negative Breast Cancers Spheroids to Fractionated Radiotherapy. **J Clin Med**. 2019 Dec 26;9(1). pii: E64. doi: 10.3390/jcm9010064.

Aloulou M, Fazilleau N, Regulation of B cell responses by distinct populations of CD4 T cells, **Biomedical Journal**, <https://doi.org/10.1016/j.bj.2019.06.002>

Guerder S, Hassel C, and Carrier, A. Thymus-specific serine protease, a protease that shapes the CD4 T cell repertoire. **Immunogenetics** (2019) 71:223. doi: 10.1007/s00251-018-1078-y

Equipe (Roland Liblau / Abdelhadi Saoudi) Inflammatory diseases of the central nervous system: mechanisms and therapies

Yshii L, **Pignolet B**, Mauré E, Pierau M, Brunner-Weinzierl M, Hartley O, Bauer J, **Liblau R**. IFN- γ is a therapeutic target in paraneoplastic cerebellar degeneration. **JCI Insight**. (2019) Apr 4;4(7). pii: 127001.

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Equipe (Jacques Izopet) Viral infection : persistence, host response and pathophysiology

O. Marion, **S. Lhomme**, A. Del Bello, **F. Abravanel**, L. Esposito, AL. Hébral, L. Lavayssière, O. Cointault, D. Ribes, **J. Izopet**, **N. Kamar**. Monitoring hepatitis E virus fecal shedding for optimizing ribavirin treatment duration in chronically infected transplant-patients. *J Hepatol* 2019;70:206-209.

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C. Diméglio, S. Raymond, F. Nicot, N. Jeanne, R. Carcenac, C. Lefebvre and J. Izopet; for the French National Agency for Research on AIDS and Viral Hepatitis (ANRS) AC11 Resistance Study Group. Impact of the mutational load on the virological response to a first-line rilpivirine based regimen. **J Antimicrob Chemother** 2019;74:718-721.

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O. Walter, E. Treiner, F. Bonneville, **C. Mengelle**, F. Vergez, F. Lerebours, **P. Delobel**, R. Liblau, G. Martin-Blondel; Immune Checkpoint Inhibitors in PML Study Group. Treatment of Progressive Multifocal Leukoencephalopathy with Nivolumab. **New Engl J Med** 2019;380:1674-1676.

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