

Publications 2018

Equipe (J. van Meerwijk): T cell-mediated Immune-Tolerance

Santamaria J, Darrigues J, van Meerwijk JPM, Romagnoli P. *Antigen-presenting cells and T-lymphocytes homing to the thymus shape T cell development.* **Immunol Lett.** 2018 Dec;204:9-15. doi: 10.1016/j.imlet.2018.10.003. Epub 2018 Oct 9. Review.

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Equipe (M. Diaz Munoz): Post-transcriptional regulation of the adaptive immune response and tumorigenesis

Philipp Trulley, Goda Snieckute, Dorte Bekker-Jensen, Manoj B. Menon, Robert Freund, Alexey Kotlyarov, Jesper V. Olsen, **Manuel D. Diaz-Munoz**, Martin Turner, Simon Bekker-Jensen, Matthias Gaestel, Christopher Tiedje. *Alternative translation initiation generates a functionally distinct isoform of the stress-activated kinase MK2.* **BioRxiv.** September 29, 2018. doi: 10.1101/429696

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Monzón-Casanova E, Screen M, **Díaz-Muñoz MD**, Coulson RMR, Bell SE, Lamers G, Solimena M, Smith CWJ, Turner M. *The RNA-binding protein PTBP1 is necessary for B cell selection in germinal centers.* **Nat Immunol.** 2018 Mar;19(3):267-278. doi:

10.1038/s41590-017-0035-5. Epub 2018 Jan 22. PubMed PMID: 29358707; PubMed Central PMCID: PMC5842895.

Turner M, **Díaz-Muñoz MD**. *RNA-binding proteins control gene expression and cell fate in the immune system*. **Nat Immunol**. 2018 Feb;19(2):120-129. doi: 10.1038/s41590-017-0028-4. Epub 2018 Jan 18. Review. PubMed PMID: 29348497.

Equipe (JC Guéry): Sex differences in immunity: mechanisms and pathophysiology

Garnier L, **Laffont S**, Lélou K, Yogev N, Waisman A, **Guéry JC**. *Estrogen Signaling in Bystander Foxp3^{neg} CD4⁺ T Cells Suppresses Cognate Th17 Differentiation in Trans and Protects from Central Nervous System Autoimmunity*. **J Immunol**. 2018 Dec 1;201(11):3218-3228. doi: 10.4049/jimmunol.1800417. Epub 2018 Oct 24.

Souyris M, Mejía JE, Chaumeil J, Guéry JC. *Female predisposition to TLR7-driven autoimmunity: gene dosage and the escape from X chromosome inactivation* **Semin Immunopathol**. 2018 Oct 1. doi: 10.1007/s00281-018-0712-y. [Epub ahead of print] Review.

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Equipe (N Fazilleau / S Guerder): Antigen Presenting Cells and CD4 T cell responses

Bernard I, Sacquin A, Kassem S, Benamar M, Colacios C, **Gador M, Pérals C, Fazilleau N**, Saoudi A. *A Natural Variant of the Signaling Molecule Vav1 Enhances Susceptibility to Myasthenia Gravis and Influences the T Cell Receptor Repertoire.* **Front Immunol.** 2018 Oct 25;9:2399. doi: 10.3389/fimmu.2018.02399. eCollection 2018.

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Nguyen XH, Dauvilliers Y, Quériault C, **Perals C**, Romieu-Mourez R, Paulet PE, Bernard-Valnet R, **Fazilleau N**, Liblau R. *Circulating follicular helper T cells exhibit reduced ICOS expression and impaired function in narcolepsy type 1 patients.* **J Autoimmun.** 2018 Nov;94:134-142. doi: 10.1016/j.jaut.2018.07.021. Epub 2018 Aug 6.

Guerder S, Hassel C, Carrier A. *Thymus-specific serine protease, a protease that shapes the CD4 T cell repertoire.* **Immunogenetics.** 2018 Sep 17. doi: 10.1007/s00251-018-1078-y. [Epub ahead of print] Review.

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

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

C. Pasquier, G. Joguet, **C. Mengelle,** **S. Chapuy-Regaud,** L. Pavili, N. Prisant, **J. Izopet,** L. Bujan, JM. Mansuy. *Kinetics of anti-ZIKV antibodies after zika infection using two commercial enzyme-linked immunoassays.* *Diagn Microbiol Infect Dis* 2018;90:26-30.

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