

## Liste publications CPTP – équipe par équipe

### Eqp 1 (J van Meerwijk) : Tolérance Immunitaire dépendante des lymphocytes T

Decque A\*, Joffre O\*, Magalhaes JG\*, Cossec JC\*, Blecher-Gonen R, Lapaquette P, Silvin A, Manel N, Joubert PE, Seeler JS, Albert ML, Amit I, Amigorena S, Dejean A. *Sumoylation coordinates the repression of inflammatory and anti-viral gene-expression programs during innate sensing.* **Nat Immunol.** 2015 Dec 14. doi: 10.1038/ni.3342. [Epub ahead of print]

Thiault N\*, Darrigues J\*, Adoue V\*, Gros M, Binet B, Perals C, Leobon B, Fazilleau N, Joffre OP, Robey EA, van Meerwijk JP, Romagnoli P. *Peripheral regulatory T lymphocytes recirculating to the thymus suppress the development of their precursors.* **Nat Immunol.** 2015 Jun;16(6):628-34. doi: 10.1038/ni.3150. Epub 2015 May 4.

### Eqp 2 (S Valitutti) : Dynamique moléculaire des interactions lymphocytaires

Zilton Vasconcelos, Sabina Müller, Delphine Guipouy, Yu Wong, Claire Christophe, Sebastien Gadat, \*Salvatore Valitutti and \*Loïc Dupré. *Individual Cytotoxic T Lymphocytes Exhibit Intracloonal Heterogeneity in Cumulative Killing.* **Cell Reports** (2015), conditionally accepted for publication. \*The authors are co-senior authors

Wong Yu, Ning Jiang, Peter J. R. Ebert, Brian A. Kidd, Sabina Müller, Peder J. Lund, Jeremy Juang, Keishi Adachi, Tiffany Tse, Michael E. Birnbaum, Evan W. Newell<sup>1</sup>, Darrell M. Wilson, Gijbert M. Grotenbreg, Salvatore Valitutti, Stephen R. Quake, Mark M. Davis. *Clonal Deletion Prunes, but does not Eliminate Self-Specific ab CD8+ T Lymphocytes.* **Immunity** (2015), conditionally accepted for publication.

3-Claire Christophe, Sabina Müller, Magda Rodrigues, Anne-Elisabeth Petit, Patrick Cattiaux, Loïc Dupré, \*Sébastien Gadat, and \*Salvatore Valitutti. *A biased competition theory of cytotoxic T lymphocyte interaction with tumor nodules.* **PLOS ONE.** (2015) 10.1371. \*The authors are co-senior authors.

R. Joulia, N. Gaudenzio, M. Rodrigues, J. Lopez, N. Blanchard, \*S. Valitutti and \*Eric Espinosa. *Mast cells form antibody-dependent degranulatory synapse for dedicated secretion and defense.* **Nat. Comm.** (2015) 6:6174. \*The authors are co-senior authors

Malet-Engra G, Yu W, Oldani A, Rey-Barroso J, Gov NS, \*Scita G, \*Dupré L. *Collective cell motility promotes chemotactic prowess and resistance to chemotaxis.* **Curr Biol.** (2015) 25:242. \*The authors are co-senior authors.

#### Revue

Dupré L, Houmadi R, Tang C, Rey-Barroso J. *T Lymphocyte Migration: An Action Movie Starring the Actin and Associated Actors.* **Front Immunol.** 2015 Nov 18;6:586. doi: 10.3389/fimmu.2015.00586. eCollection 2015. Review.

Vinicius Cotta-de-Almeida, Loïc Dupré, Delphine Guipouy, Zilton Vasconcelos. *Signal Integration during T lymphocyte activation and function: Lessons from the Wiskott-Aldrich.* **Front Immunol.** (2015) 6:47. \*The authors are co-senior authors.

### Eqp 3 (JC Guery) : Différences liées au sexe dans l'immunité : mécanismes et physiopathologie

Lupar E, Brack M, Garnier L, Laffont S, Rauch KS, Schachtrup K, Arnold SJ, Guéry JC, and Izcue A. *Eomesodermin expression in CD4<sup>+</sup> T cells restricts peripheral Foxp3 induction*. **J Immunol**. 2015 Nov 15;195(10):4742-52.

Griesbeck M, Ziegler S, Laffont L, Tomezsko P, Sharei A, Chauveau L, Smith N, Kourjian G, Porichis F, Hart M, Palmer CD, Sirignano M, Beisel C, Hildebrandt H, Cénac C, Villani AC, Diefenbach T, Richtmyer P, LeGall S, Schwartz O, Herbeuval JP, Autran B, Guéry JC, Chang JJ and Altfeld M. *Sex differences in plasmacytoid dendritic cell levels of IRF5 drive higher IFN $\alpha$  production in women*. **J Immunol**. 2015 Dec 1;195(11):5327-36.

Laffont S, Garnier L, Lélu K, Guéry JC. *Estrogen-mediated protection of experimental autoimmune encephalomyelitis: lessons from the dissection of estrogen receptor-signaling in vivo*. **Biomed. J**. 2015;38:194-20. Review

Laffont S, and Guéry JC. *Research Highlight: Estrogen receptor-dependent modulation of dendritic cell biology: of mice and women*. **Receptors & Clinical Investigation** 2015; 2: e671.

Pelletier L, Rosa N, Savignac M. *La singularité de la signalisation calcique dans les lymphocytes: possibles implications thérapeutiques*. **Revue Française d'Allergologie**. 2014 Nov 1;54(7):519-28.

## **Eqp 4 (N fazilleau / S Guerder) : Cellules présentatrices de l'Antigène et Réponses T CD4**

Laurent Serre, Nicolas Fazilleau and Sylvie Guerder, 2015. *Central tolerance spares the private high-avidity CD4<sup>+</sup> T-cell repertoire specific for an islet antigen in the NOD mouse*. **Eur. J. Immunol**. DOI: 10.1002/eji.201445290.

Garidou L, Pomié C, Klopp P, Waget A, Charpentier J, Aloulou M, Giry A, Serino M, Stenman L, Lahtinen S, Dray C, Iacovoni JS, Courtney M, Collet X, Amar J, Servant F, Lelouvier B, Valet P, Eberl G, Fazilleau N, Douin-Echinard V, Heymes C and Burcelin R (2015) *The gut microbiota regulates intestinal CD4 T cells Expressing ROR $\gamma$ t and controls metabolic disease*. **Cell Metabolism**. 2015 Jul 7;22(1):100-12. doi: 10.1016/j.cmet.2015.06.001

Viret, C\*, Mahiddine, K\*, Baker, R.L., Haskins, K., and Guerder, S. (2015). *The T Cell Repertoire-Diversifying Enzyme TSSP Contributes to Thymic Selection of Diabetogenic CD4 T Cell Specificities Reactive to ChgA and IAPP Autoantigens*. **J Immunol** 195, 1964-1973. \* Co-first authors.

Joncker, N.T., Bettini, S., Boulet, D., Guiraud, M., and Guerder, S. (2015). *The site of tumor development determines immunogenicity via temporal mobilization of antigen laden dendritic cells in draining lymph nodes*. **Eur J Immunol**. doi: 10.1002/eji.201545797. [Epub ahead of print]

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Chakarov S, Fazilleau N. *Tracking by flow cytometry antigen-specific follicular helper T cells in wild-type animals after protein vaccination*. **Methods Mol Biol**. 2015;1291:39-47. doi: 10.1007/978-1-4939-2498-1\_4.

Viguié M, Bachelez H, Poirier B, Kagan J, Battistella M, Aubin F, Touzé A, Carmagnat M, Francès C, Gougeon ML, Fazilleau N. *Peripheral and local human papillomavirus 16-specific CD8<sup>+</sup> T-cell expansions characterize erosive oral lichen planus*. **J Invest Dermatol**. 2015 Feb;135(2):418-24. doi: 10.1038/jid.2014.397. Epub 2014 Sep 10.

## Eqp 5 (R Liblau/ A Saoudi) : Maladies inflammatoires du système nerveux : mécanismes et traitements

Bernard-Valnet R, Liblau RS, Vukusic S, Marignier R. *Neuromyelitis optica: a positive appraisal of seronegative cases*. **Eur J Neurol**. 2015 Dec;22(12):1511-e83. doi: 10.1111/ene.12679. Epub 2015 Feb 16. Review.

Tafti M, Lammers GJ, Dauvilliers Y, Overeem S, Mayer G, Nowak J, Pfister C, Dubois V, Eliaou JF, Eberhard HP, Liblau R, Wierzbička A, Geisler P, Bassetti CL, Mathis J, Lecendreux M, Khatami R, Heinzer R, Haba-Rubio J, Feketeova E, Baumann CR, Kutalik Z, Tiercy JM. *Narcolepsy-Associated HLA Class I Alleles Implicate Cell-Mediated Cytotoxicity*. **Sleep**. 2015 Oct 22. pii: sp-00331-15. [Epub ahead of print]

Garnier C, Martin-Blondel G, Debuissou C, Dubois D, Debard A, Cuzin L, Massip P, Delobel P, Marchou B. *Intra-nodal injection of gentamicin for the treatment of suppurated cat scratch disease's lymphadenitis*. **Infection**. 2015 May 23.

Bustamante MF, Morcillo-Suárez C, Malhotra S, Rio J, Leyva L, Fernández O, Zettl UK, Killestein J, Brassat D, García-Merino JA, Sánchez AJ, Urcelay E, Alvarez-Lafuente R, Villar LM, Alvarez-Cermeño JC, Farré X, Lechner-Scott J, Vandebroek K, Rodríguez-Antigüedad A, Drulovic JS, Martinelli Boneschi F, Chan A, Oksenberg J, Navarro A, Montalban X, Comabella M. Pharmacogenomic study in patients with multiple sclerosis: Responders and nonresponders to IFN- $\beta$ . **Neurol Neuroimmunol Neuroinflamm**. 2015 Sep 24;2(5):e154. doi: 10.1212/NXI.000000000000154. eCollection 2015 Oct.

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Tolou C, Mahieu L, Martin-Blondel G, Ollé P, Matonti F, Hamid S, Benouaich X, Debard A, Cassagne M, Soler V. *Posterior segment involvement in cat-scratch disease: A case series*. **J Fr Ophthalmol**. 2015 Dec;38(10):974-82. doi: 10.1016/j.jfo.2015.07.003. Epub 2015 Nov 3.

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G. Martin-Blondel, B Pignolet, S Tietz, L Yshii, C Gebauer, T Perinat, I Van Weddingen, C Blatti, B Engelhardt, and RS Liblau. *Migration of encephalitogenic CD8 T cells into the central nervous system is dependent on the  $\alpha\beta 1$ -integrin*. **Eur. J. Immunol**. 2015 Dec;45(12):3302-12. doi: 10.1002/eji.201545632. Epub 2015 Oct 6.

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Pedros C, Gaud G, Bernard I, Kassem S, Chabod M, Lagrange D, Andréoletti O, Dejean AS, Lesourne R, Fournié GJ, Saoudi A. *An Epistatic Interaction between Themis1 and Vav1 Modulates Regulatory T Cell Function and Inflammatory Bowel Disease Development*. **J Immunol**. 2015 Aug 15;195(4):1608-16. doi: 10.4049/jimmunol.1402562. Epub 2015 Jul 10.

Martin-Blondel G, Bauer J, Uro-Coste E, Biotti D, Averseng-Peaureaux D, Fabre N, Dumas H, Bonneville F, Lassmann H, Marchou B, Liblau RS\*, Brassat D\*. *Therapeutic use of CCR5 antagonists is supported by strong expression of CCR5 on CD8(+) T cells in progressive multifocal leukoencephalopathy-associated immune reconstitution inflammatory syndrome*. **Acta Neuropathol**. 2015 Mar;129(3):463-5. \* These authors contributed equally

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