

Publications 2014

Team : Estrogens and calcium channels in immunity and allergy (Dr. JC. Guéry and Dr. L. Pelletier)

1-) Lucca LE, Desbois S, Ramadan A, Ben-Nun A, Eisenstein M, Carrié N, Guéry JC, Sette A, Nguyen P, Geiger TL, Mars LT, Liblau RS. Bispecificity for Myelin and Neuronal Self-Antigens Is a Common Feature of CD4 T Cells in C57BL/6 Mice. **J Immunol.** 2014 Oct 1;193(7):3267-77. doi: 10.4049/jimmunol.1400523. Epub 2014 Aug 18.

2-) Savignac M, Simon M, Edir A, Guibbal L, Hovnanian A. SERCA2 Dysfunction in Darier Disease Causes ER stress and Impaired Cell-to-Cell Adhesion Strength: Rescue by Miglustat. **J Invest Dermatol.** 2014 Jul;134(7):1961-70

3-) Laffont S, Rouquié N, Seillet C, Plumas J, Aspord C, Guéry JC. Estrogen receptor signaling and X-chromosome complement both independently contribute to the enhanced TLR-7-mediated responses of woman plasmacytoid dendritic cells. **J. Immunol.** 2014 Dec 1;193(11):5444-52. doi: 10.4049/jimmunol.1303400. Epub 2014 Oct 22.

Team : T cell differentiation and autoimmunity (Dr. S. Guerder and Dr. N. Fazilleau)

1-) Viguier M, Bachelez H, Poirier B, Kagan J, Battistella M, Aubin F, Touzé A, Carmagnat M, Francès C, Gougeon ML, Fazilleau N. Periphreal Local Human Papillomavirus 16-Specific CD8+T-Cell Expansions Characterize Erosive Oral Lichen Planus. **J invest Dermatol.** 2014 Sep 10. doi: 10.1038/jid.2014.937

2-) Chakarov S, Fazilleau N. (2014) Monocyte-derived dendritic cells promote T follicular helper cell differentiation. **EMBO Mol Med.** 6: 590–603

Team : Inflammatory diseases of the central nervous system: mechanisms and therapy (Prof. R. Liblau and Dr. A Saoudi)

1-) Schuh C, Wimmer I, Hametner S, Van Dam AM, Liblau RS, Smith KJ, Bauer J, Bradl M, Mahad DH, Lassmann H. Oxidative Tissue Injury In Multiple Sclerosis Is Only Partly Reflected In Experimental Disease Models. **Acta Neuropath.** 2014. In press.

2-) N. Avidan, R. Le Panse, H.F. Harbo, P. Bernasconi, P. Konstantinos, E. Ginzburg, P. Cavalcante, L. Colleoni, F. Baggi, C. Antozzi, F. Truffault, S. Horn-Saban, S. Pöschel, Z. Zagoriti, M. Belimezi, A. Maniaol, I. Bernard, A. Saoudi, Z. Illes, C. Casasnovas Pons, A. Melms, S. Tzartos, N. Willcox, A. Kostera-Pruszyk, C. Tallaksen, R. Mantegazza, S. Berrih-Aknin, A. Miller. VAV1 and BAFF, via NFkB pathway, are genetic risk factors for Myasthenia Gravis. **Annals of Clinical and Translational Neurology.** In press

3-) Lucca LE, Desbois S, Ramadan A, Ben-Nun A, Eisenstein M, Carrié N, Guéry JC, Sette A, Nguyen P, Geiger TL, Mars LT, Liblau RS. Bispecificity for Myelin and Neuronal Self-Antigens Is a Common Feature of CD4 T Cells in C57BL/6 Mice. **J Immunol.** 2014 Oct 1;193(7):3267-77. doi: 10.4049/jimmunol.1400523. Epub 2014 Aug 18.

4-) Smirnova, S. Gayral, C. Pedros, G. Loirand, N. Vaillant, N. Malet, S. Kassem, D. Calise, D. Goudounèche, M. P Wymann, E. Hirsch, AP Gadeau, L.O Martinez, A. Saoudi and M. Laffargue. Targeting PI3K γ activity decreases vascular trauma-induced intimal hyperplasia through modulation of the Th1 response. **J. Exp. Med.** 014 Aug 25;211(9):1779-92.

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- 6-) Lublin FD, Reingold SC, Cohen JA, Cutter GR, Sørensen PS, Thompson AJ, Wolinsky JS, Balcer LJ, Banwell B, Barkhof F, Bebo B Jr, Calabresi PA, Clanet M, Comi G, Fox RJ, Freedman MS, Goodman AD, Inglese M, Kappos L, Kieseier BC, Lincoln JA, Lubetzki C, Miller AE, Montalban X, O'Connor PW, Petkau J, Pozzilli C, Rudick RA, Sormani MP, Stüve O, Waubant E, Polman CH. Defining the clinical course of multiple sclerosis: the 2013 revisions. **Neurology**. 2014 Jul 15;83(3):278-86. doi: 10.1212/WNL.0000000000000560. Epub 2014 May 28.
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- 8-) Witola WH, Liu SR, Montpetit A, Welti R, Hypolite M, Roth M, Zhou Y, Mui E, Cesbron-Delauw MF, Fournie GJ, Cavailles P, Bisanz C, Boyer K, Withers S, Noble AG, Swisher CN, Heydemann PT, Rabiah P, Muench SP, McLeod R. ALOX12 in Human Toxoplasmosis. **Infect Immun**. 2014 Jul;82(7):2670-9. doi: 10.1128/IAI.01505-13. Epub 2014 Mar 31.
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- 10-) Mars LT, Mas M, Beaudoin L, Bauer J, Leite-de-Moraes M, Lehuen A, Bureau JF, Liblau RS. Invariant NKT Cells Regulate the CD8 T Cell Response during Theiler's Virus Infection. **PLoS One**. 2014 Jan 30;9(1):e87717.
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Reviews

1-) Galluzzi L, Vacchelli E, Bravo-San Pedro JM, Buqué A, Senovilla L, Baracco EE, Bloy N, Castoldi F, Abastado JP, Agostinis P, Apte RN, Aranda F, Ayyoub M, Beckhove P, Blay JY, Bracci L, Caignard A, Castelli C, Cavallo F, Celis E, Cerundolo V, Clayton A, Colombo MP, Coussens L, Dhodapkar MV, Eggermont AM, Fearon DT, Fridman WH, Fučíková J, Gabrilovich DI, Galon J, Garg A, Ghiringhelli F, Giaccone G, Gilboa E, Gnjatic S, Hoos A, Hosmalin A, Jäger D, Kalinski P, Kärre K, Kepp O, Kiessling R, Kirkwood JM, Klein E, Knuth A, Lewis CE, Liblau R, Lotze MT, Lugli E, Mach JP, Mattei F, Mavilio D, Melero I, Melief CJ, Mittendorf EA, Moretta L, Odunsi A, Okada H, Palucka AK, Peter ME, Pienta KJ, Porgador A, Prendergast GC, Rabinovich GA, Restifo NP, Rizvi N, Sautès-Fridman C, Schreiber H, Seliger B, Shiku H, Silva-Santos B, Smyth MJ, Speiser DE, Spisek R, Srivastava PK, Talmadge JE, Tartour E, Van Der Burg SH, Van Den Eynde BJ, Vile R, Wagner H, Weber JS, Whiteside TL, Wolchok JD, Zitvogel L, Zou W, Kroemer G. Classification of current anticancer immunotherapies. **Oncotarget**. 2014 Dec 30;5(24):12472-508.

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3-) A. Ben-Nun, N. Kaushansky, N. Kawakami, G. Krishnamoorthy, K. Berer, R. Liblau, R. Hohlfeld, and H. Wekerle. From classic to spontaneous and humanized models of multiple sclerosis: Impact on understanding pathogenesis and drug development. **J. Autoimmunity**. 2014. In press.

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Team : Immunity, pregnancy, therapy (P. le Bouteiller)

1-) Le Bouteiller P. (2014) HLA-G in human early pregnancy: partial control of maternal uterine immune response (and angiogenesis?). **Biomed J.**, *in press*

Team : Mediators of inflammation and pain (Dr. N. Vergnolle)

- 1) Provost, M., Brégeon, J., Aubert, P., Duchalais-Dassonneville, E., D'Aldebert, E., Vergnolle, N., Neunlist, M. and Meurette, G. Effects of chronic Sacral Nerve Stimulation on intestinal epithelial barrier of the rectum and neuromuscular transmission in a porcine model. **Neurogastroenterology & Motility**, 2014 Nov 11. doi: 10.1111/nmo.12465. [Epub ahead of print]
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- 5) Boue, J., Basso, L., Cenac, N., Blanpied, C., Rolli-Derkinderen, M., Neunlist, M., Vergnolle, N., Dietrich, G. Colitogenic CD4+ T cells have opioids-mediated analgesic activity in mice. **Gastroenterology**, 2014, 146(1):166-75. *Article recommended by the Faculty of 1000 on Oct 2nd, 2013.*
- 6) Vergnolle, N. TRPV4: New therapeutic target for inflammatory bowel diseases. **Biochem. Pharmacol.** 2014, 89(2):157-61.
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Team : Viral infection: persistence, host response and pathophysiology (Dr. C Davrinche and Prof. J. Izopet)

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- 13-) N. Kamar, J. Izopet, HR. Dalton. Chronic Hepatitis E virus infection and treatment. **Journal of Clinical and Experimental Hepatology** (in press).
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- 24-) C. Mengelle, L. Rostaing, H. Weclawiak, C. Rossignol, JM. Mansuy, S. Alain, N. Kamar, J. Izopet. Prophylaxis versus pre-emptive treatment to prevent cytomegalovirus infection in CMV-seropositive orthotopic liver-transplant recipients. **Journal of Medical Virology** (in press).
- 25-) P. Gallian, S. Lhomme, Y. Piquet, K. Sauné, F. Abravanel, A. Assal, P. Tiberghien, J. Izopet. High rate of HEV viremia in blood donors, France. **Emerging Infectious Diseases** (in press).
- 26-) S. Lhomme, F. Abravanel, M. Dubois, K. Sandres-Sauné, JM. Mansuy, L. Rostaing, N. Kamar, J. Izopet. Characterization of the polyproline region of the Hepatitis E virus in immunocompromised patients. **Journal of Virology** (in press).
- 27-) H. Dalton, N. Kamar, J. Izopet. Hepatitis E. **Future Microbiology** (in press).
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Team : Pathogenesis of viral infections of the central nervous system (Dr. D. Gonzalez-Dunia)

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Team : Eukaryotic intracellular parasites: immunity and pathophysiology (Dr. N. Blanchard)

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