

## NAME, QUALIFICATIONS AND CONTACT DETAILS

David-Axel Laplaud, MD, PhD

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## EDUCATION AND EMPLOYMENT

- 2017: Head of Clinical Department of Neurology, Nantes University Hospital, France
- 2014: Professor of Neurology (PU-PH), Nantes University Hospital, France
- 2013: Head of Clinical Research Center (Neurology), Nantes University Hospital, France
- 2012: Group Leader (Co-leader with S Brouard) CRTI INSERM1064 (Nantes, France).
- 2010: Position: Assistant-Professor, Neurology department, Nantes University Hospital, France
- 2008: Position: Praticien hospitalier, Neurology department, Nantes University Hospital, France
- 2008: Training: Postdoctoral Fellow (Mentor H. Wekerle) Max6plank Institute (Munich, Germany)
- 2006: PhD (Mentor Jean-Paul Soulillou) INSERM643 (Nantes, France).
- 2004: M.D. Nantes University Hospital, France

## RESEARCH FUNDING

ARSEP/AFM special call. Proof of concept trial to evaluate the safety and feasibility of adoptive cell therapy with autologous EBV-specific cytotoxic T lymphocytes (CTL) in patients with a first clinical episode highly suggestive of multiple sclerosis. (Principal Investigator/Coordinator). Direct Costs: 300k€, 2014.

FRC Grant: Laser -capture Microdissection. (Principal Investigator/Coordinator). Equipment: 200k€, 2010.

Region program Pays de la Loire. (Principal Investigator/Coordinator). Direct Costs: 200k€, 2009.

National PHRC Assessment of the TRAP assay as a diagnostic tool in MS. (Principal Investigator/Coordinator). 2011.

Region PHRC. In vitro Fertilization in multiple sclerosis. (Principal Investigator/Coordinator). 2005.

Region PHRC. Use of a statin as treatment of multiple sclerosis. (Principal Investigator/Coordinator). 2003.

## HISTORY OF MENTORING AND SUPERVISION (PAST/CURRENT)

PhD Students: 4/0. MSc/MD Students: 5/0. Undergrad Students: 5/1. Senior Technicians/Research Associates/Project Managers: 2/1.

## KEY ACHIEVEMENTS AND HONOURS

### PRIZES

Prize LFB of Immunology, 2008.

### PATENTS

Patent for the TRAP assay. 2010 Inventor: D. Laplaud. Patent Assignee: CHU Nantes, Univ Nantes, INSERM

## RELEVANT RECENT PUBLICATIONS (SELECTED FROM 70 ORIGINAL AND REVIEWS)

Total Citations to April 2017: 1028. h-index: 16.

- M Salou, B Nicol, A Garcia, D Baron, L Michel, A ElongNgonu, P Hulin, S Nedellec, M Jacq-Foucher, F Le Frère, N Jousset, A Bourreille, S Wiertelowski, JP Soulillou, S Brouard, AB Nicot, N Degauque, DA Laplaud. Neuropathologic, phenotypic and functional analyses of Mucosal-Associated Invariant T cells in Multiple Sclerosis. **Clin.Immunol**, 2016 May;166-167:1-11.
- Barbin L, Rousseau C, Jousset N, Casey R, Debouverie M, Vukusic S, De Sèze J, Brassat D, Wiertelowski S, Brochet B, Pelletier J, Vermersch P, Edan G, Lebrun-Frenay C, Clavelou P, Thouvenot E, Camdessanché JP, Tourbah A, Stankoff B, Al Khedr A, Cabre P, Papeix C, Berger E, Heinzlef O, Debroucker T, Moreau T, Gout O, Bourre B, Créange A, Labauge P, Magy L, Defer G,

Foucher Y, Laplaud DA; CFSEP and OFSEP groups. Comparative efficacy of fingolimod vs natalizumab: A French multicenter observational study. **Neurology**. 2016 Feb 23;86(8):771-8.

- Le Page E, Veillard D, Laplaud DA, Hamonic S, Wardi R, Lebrun C, Zagnoli F, Wiertelowski S, Deburghgraeve V, Coustans M, Edan G; COPOUSEP investigators; West Network for Excellence in Neuroscience. Oral versus intravenous high-dose methylprednisolone for treatment of relapses in patients with multiple sclerosis (COPOUSEP): a randomised, controlled, double-blind, non-inferiority trial. **Lancet**. 2015 Sep 5;386(9997):974-81
- Salou M, Garcia A., Michel L., Gainche-Salmon A., Loussouarn D., Nicol B., Guillot F., Hulin P., Nedellec S., Baron D., Ramstein G., Souillou JP, Brouard S., Nicot AN, Degauque N, Laplaud DA. Expanded CD8 T cell sharing between the periphery and the central nervous system in multiple sclerosis. **Ann. Clin. Transl. Neurol**. 2015 Jun;2(6):609-22.
- A Elong-Ngono, M. Lepetit, A. Garcia, F. Guillot, M. Salou, F. Lefrere, PO Couraud, N. Degauque, A. Nicot, S. Brouard, DA Laplaud, JP Souillou. Patients with RR Multiple Sclerosis have a decreased frequency of circulating anti MOG B lymphocytes. **J. Immunol. Res** 2015;2015:673503.
- L Michel, M Chesneau, P Manceau, A Genty, A Garcia, M Salou, A ElongNgono, A Pallier, M Jacq-Foucher, F Lefrère, S Wiertelowski, J-P Souillou, N Degauque, D-A Laplaud, S Brouard. Unaltered regulatory B cell frequency and function in patients with Multiple Sclerosis. **Clin Immunol**. 2014 Dec;155(2):198-208.