

## NAME, QUALIFICATIONS AND CONTACT DETAILS

Pierre-Antoine Gourraud, PhD/MPH

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## EDUCATION AND EMPLOYMENT

- 2015 to present Professor in Cell Biology, University of Nantes (Nantes, France)
- 2014 to present Associate Professor in Neurology, University of California San Francisco (San Francisco CA, USA)
- 2011 to 2013 Assistant Adjunct Professor in Neurology, University of California San Francisco (San Francisco CA, USA)
- 2009 to 2011 Post-doctoral fellow in Neurology, University of California San Francisco (San Francisco CA, USA)
- 2006 to 2008 Chief practitioner in Epidemiology, University of Toulouse III (Toulouse, France)
- 2006 to 2013 Research associate in Biotechnology, Sup'Biotech Research Institute (France)
- 2002 to 2005 PhD candidate in Immunogenetics, University of Toulouse III (Toulouse, France)

## RESEARCH FUNDING (2011-present, selected from a total of 9 grant awards)

### CURRENT

1. ATIP (Principal Investigator). Funding Body: Inserm. Direct Costs: xxx k€, 09/15 – 08/19.

### COMPLETED

1. Translational Digital Medicine for Multiple Sclerosis (Co-Principal Investigator). Funding Body: The Conrad H. Hilton Foundation; Direct Costs: \$796k, 2014-2016
2. Neuroscience Precision Medicine Initiative- The MS Dashboard and Kbase knowledge network (Principal Investigator). Funding Body: UCSF Precision Medicine Initiatives; Direct Costs: \$100k, 2013-2015
3. A BioScreen for Multiple Sclerosis (Co-investigator). Funding Body: Patient Centered Research Outcome Institute (PCORI); Direct Costs: \$250k, 2013-2013
4. IMMPUTE I: Comparative study of SNP-based HLA Imputation methods (Co-investigator). Funding Body: ONR-Sub Award; Direct Costs: \$39k, 2012-2012
5. The contribution of common and rare variants to autoimmunity in African Americans (Co-investigator). Funding Body: NIH NINDS; Direct Costs: \$1,419k, 2011-2015

## KEY ACHIEVEMENTS AND HONOURS

Young leader (French American Foundation) 2014; Award for Junior Faculty (Nancy Davis Foundation) 2013; Julia Bodmer Award for junior investigator in Immunology and Genetics (EFI) 2012; Travel award for Japan (University of Toulouse) 2003; Travel award for young investigator (EFI) 2001.

Presentations at National/International Meeting as Presenting or Senior Author (2013-present.): >70

## SELECTED PUBLICATIONS (selected from 107 publications)

Total Citations in August 2017: 4132. h-index: 35

1. Pappas DJ, Lizee A, Paunic V, Beutner KR, Motyer A, Vukcevic D, Leslie S, Biesiada J, Meller J, Taylor KD, Zheng X, Zhao LP, **Gourraud PA**, Hollenbach JA, Mack SJ, Maiers M. Significant variation between SNP-based HLA imputations in diverse populations: the last mile is the hardest. *Pharmacogenomics J.* 2017.
2. Dilthey AT, **Gourraud PA**, Mentzer AJ, Cereb N, Iqbal Z, McVean G. High-Accuracy HLA Type Inference from Whole-Genome Sequencing Data Using Population Reference Graphs. *PLoS Comput Biol.* 2016.
3. Moutsianas L, Jostins L, Beecham AH, Dilthey AT, Xifara DK, Ban M, Shah TS, Patsopoulos NA, Alfredsson L, Anderson CA, Attfield KE, Baranzini SE, Barrett J, Binder TMC, Booth D, Buck D, Celius EG, Cotsapas C, D'Alfonso S, Dendrou CA, Donnelly P, Dubois B, Fontaine B, Fugger L, Goris A, **Gourraud PA**, Graetz C, Hemmer B, Hillert J; International IBD Genetics Consortium (IIBDGC), Kockum I, Leslie S, Lill CM, Martinelli-Boneschi F, Oksenberg JR, Olsson T, Oturai A, Saarela J, Søndergaard HB, Spurkland A, Taylor B, Winkelmann J, Zipp F, Haines JL, Pericak-Vance MA, Spencer CCA, Stewart G, Hafler DA, Iverson AJ, Harbo HF, Hauser SL, De Jager PL, Compston A, McCauley JL, Sawcer S, McVean G. Class II HLA interactions modulate genetic risk for multiple sclerosis. *Nat Genet.* 2015.

4. Pappas DJ, Tomich A, Garnier F, Marry E, **Gourraud PA**. Comparison of high-resolution human leukocyte antigen haplotype frequencies in different ethnic groups: Consequences of sampling fluctuation and haplotype frequency distribution tail truncation. *Hum Immunol*. 2015.
5. **Gourraud PA**, Henry RG, Cree BA, Crane JC, Lizée A, Olson MP, Santaniello AV, Datta E, Zhu AH, Bevan CJ, Gelfand JM, Graves JS, Goodin DS, Green AJ, von Büdingen HC, Waubant E, Zamvil SS, Crabtree-Hartman E, Nelson S, Baranzini SE, Hauser SL. Precision medicine in chronic disease management: The multiple sclerosis BioScreen. *Ann Neurol*. 2014.