

Curriculum Vitae du Responsable d'Équipe

Rémi Houlgatte, 57 ans, DR2 INSERM

2006-2012 Expert for ANR (Funding Agency of Research)

2006-2011 Coordinator of the BIL (Bioinformatics) consortium in Pays de Loire

2007-2011 Member of CCRRDT council of the region Pays de Loire

2007-2012 Interface grants (Contrat d'interface) with University Hospital of Nantes

2011-2013 Member of the ANR SVSE6 comity (Funding Agency of Research)

2005-2011 Leader of the Genomics & Biotherapies Team (INSERM U915, Nantes, France)

Director of the Genomics Facility (IBISA, ISO9001 certified) and of the Bioinformatics Facility (IBISA, ISO9001 certified).

Interface grants (Contrat d'interface) with University Hospital of Nantes.

2009 Winner of the Concours d'entreprises innovantes du Ministère de la Recherche

2008-2011 Coordinator of the bioinformatics project BIL in Région Pays de Loire.

2012-2016 Leader of the Integrative Genomics group (INSERM U954, Nancy, France)

Director of the Integrative Genomics Facility of Nancy, France

Interface grants (Contrat d'interface) with University Hospital of Nancy.

2014-2016 Member of the supervisory committee of Numilab, digital project of Université de Lorraine

2015-2016 Member of the scientific council of Explor, computing grid (mésocentre) of Lorraine.

Partner of FHU (collaborative network between local Inserm units and clinical research of the University Regional Hospital Center of Nancy) Arrimage

Expertise : Rémi Houlgatte is an expert in Genomics and Bioinformatics since 1989. He has published on EST sequencing, probe selection for microarray design, expression studies, biomarkers, methylation, chip-chip, meta-analysis ... He has setted up various genomics (Marseille, Nantes) and bioinformatics facilities (Nantes, Nancy), and stat-ups (Ipsogen, GeneNext, CIMNA). He had an Interface grants (Special personal funding for translational research) with University Hospital of Nantes and now Nancy. He is collaborating with many people in France and G Chen from China, E. Quadros from USA and M Bianca from Spain.

Grants: 2011-2011: LNCC Pecin (R Houlgatte, 30.000 €); 2011-2013: PHRC Eclagen (Y Gouëffic & R Houlgatte, 108.720 €, total grant : 179.620 €), ANR Biotempo (R Houlgatte with PI A Siegel, 177.000 €* total grant: 354.000 €); 2012-2014: Cancéropôle Grand-Est (R Houlgatte, with PI Laurent Mauvieux, 23.000 €, total : 76.500 €), Cancéropôle Grand-Est (R Houlgatte with PI Seiamak Bahram 30.000 €, total : 70.000 €); 2012-2015 : Chercheur d'excellence Région Lorraine (M Blanca & R Houlgatte), 320.000 €); 2013-2014 : Université de Lorraine-EPST-Région (R. Houlgatte), 25.000 €, total: 25.000 €), 2014-2015 : Fondation Barletta (C. Thieblemont & R. Houlgatte), total : 200.000 €); 2016-2017 : Région Lorraine (Rousseau M) 0 € (Montant total 0 k€)

Meeting Organisation: JOBIM 2009 Nantes

Invited conferences: 2011, General Institute of Genetics, Moscou, Russie; 2014 EACCI annual congress, Malaga, Espagne

Peer Review: Molecular Nutrition and Food Research, BMC series, Genes and Nutrition, Journal of Pathology

Main scientific contributions

Translational medicine. Biomarkers of lymphomas, with improvement of treatment.

Meta-analysis of public Genomics data, development of data mining methods

Integration of Methylome and transcriptome data with the characterisation of Master Genes.

Integration of transcriptome and Chip-chip data

Influence of SNP on gene expression. Characterisation of regulation networks using a Genetical genomics approach

Publications:

83 publications in Web of Science

~3.000 cites, H-index: 32, 10 publications of last 10 years

- Baron D, Dubois E, Bihouée A, Teusan R, Steenman M, Jourdon P, Magot A, Péréon Y, Veitia R, Savagner F, Ramstein G, **Houlgatte R**. Meta-analysis of muscle transcriptome data using the MADMuscle database reveals biologically relevant gene patterns. BMC Genomics. 2011 Feb 16;12:113.

- Baron D, Bihouée A, Teusan R, Dubois E, Savagner F, Steenman M, **Houlgatte R**, Ramstein G. MADGene: retrieval and processing of gene identifier lists for the analysis of heterogeneous microarray datasets. *Bioinformatics*. 2011 Mar 1;27(5):725-6.
- Le Pennec S, Mirebeau-Prunier D, Boutet-Bouzamondo N, Jacques C, Guillotin D, Lauret E, Houlgatte R, Malhière Y, Savagner F. Nitric oxide and calcium participate in the fine regulation of mitochondrial biogenesis in follicular thyroid carcinoma cells. *J Biol Chem*. 2011 May 20;286(20):18229-39.
- Thieblemont C, Briere J, Mounier N, Voelker HU, Cuccuini W, Hirchaud E, Rosenwald A, Jack A, Sundstrom C, Cogliatti S, Trougouboff P, Boudova L, Ysebaert L, Soulier J, Chevalier C, Bron D, Schmitz N, Gaulard P, **Houlgatte R**, Gisselbrecht C. The Germinal Center/Activated B-Cell Subclassification Has a Prognostic Impact for Response to Salvage Therapy in Relapsed/Refractory Diffuse Large B-Cell Lymphoma: A Bio-CORAL Study. *J Clin Oncol*. 2011 29(31):4079-87.
- Cuccuini W, Briere J, Mounier N, Voelker HU, Rosenwald A, Sundstrom C, Cogliatti S, **Hirchaud E**, Ysebaert L, Bron D, Soulier J, Gaulard P, **Houlgatte R***, Gisselbrecht C*, Thieblemont C*. MYC+ diffuse large B-cell lymphoma is not salvaged by classical R-ICE or R-DHAP followed by BEAM plus autologous stem cell transplantation. *Blood*. (IF: 9,060) 2012 May 17;119(20):4619-24.
- Colman H, Le Berre-Scol C, Hernandez C, Pierredon S, Bihouée A, Houlgatte R, Vagner S, Rosenberg AR, Féray C. Genome-wide analysis of host mRNA translation during hepatitis C virus infection. *J Virol*. 2013 Jun;87(12):6668-77.
- Chen G, Broséus J, Hergalant S, Donnart A, Chevalier C, Bolaños-Jiménez F, Guéant JL, **Houlgatte R**. Identification of master genes involved in liver key functions through transcriptomics and epigenomics of methyl donor deficiency in rat: Relevance to nonalcoholic liver disease. *Mol Nutr Food Res*. 2015
- Baron D, Ramstein G, Chesneau M, Echassériau Y, Pallier A, Paul C, Degauque N, Hernandez-Fuentes MP, Sanchez-Fueyo A, Newell KA, Giral M, Soullillou JP*, **Houlgatte R***, Brouard S*. A common gene signature across multiple studies identifies biomarkers and functional regulation in tolerance to renal allograft. *Kidney International* 2015
- Sigoillot SM, Bourgeois F, Karmouch J, Molgó J, Dobbertin A, **Chevalier C**, **Houlgatte R**, **Léger J**, Legay C. Neuromuscular junction immaturity and muscle atrophy are hallmarks of the ColQ-deficient mouse, a model of congenital myasthenic syndrome with acetylcholinesterase deficiency. *FASEB J*. (IF: 5.299) 2016 Jun;30(6):2382-99.
- Broséus J, Chen G, Hergalant S, Ramstein G, Mounier N, Guéant JL, Feugier P, Gisselbrecht C, Thieblemont C, Houlgatte R. Relapsed diffuse large B-cell lymphoma present different genomic profiles between early and late relapses. *Oncotarget*. 2016[†]: The three last authors equally contributed to this work

Patents:

Houlgatte R, Thiéblemont C, Mourah S, Mounier N (2012) Methods for predicting the survival time of a patient suffering from an activated B-cell-like DLBCL. Patent US 61/655,119

Thiéblemont C, Monjanel H, **Houlgatte R**, Mounier N (2014) Protocole de traitement des patients présentant un DLBCL réfractaire. Patent pending.

Baron D, **Houlgatte R**, Ramstein G, Brouard S, Soullillou JP. (2014) Gene signature associated with tolerance to renal allograft. **Europe n° 14306800.5**

Start-up :

2008-2011: Founder, Subcontractor and Member of the Scientific Board of CIMNA

2009-2011: Genenext company. Winner of "Concours national d'aide à la création d'entreprises de technologies innovantes" of the Research Ministry in 2009.