

## NAME, QUALIFICATIONS AND CONTACT DETAILS

Franck HALARY, PhD (HDR), Associate professor (INSERM), coordination of the immuno-virology axis within the team 1. CRTI Centre de Recherche en Transplantation et Immunologie UMR1064, INSERM, Université de Nantes, Nantes, France  
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## EDUCATION AND EMPLOYMENT

10/08 to present Position: INSERM researcher (CRCN) at CRTI/UMR1064 INSERM (Nantes, France).  
01/07 to 09/08 Position: INSERM researcher (CR1) at UMR5164 CNRS (Bordeaux France).  
01/03 to 12/06 AVENIR team leader, IFR66/UMR5164 CNRS (Bordeaux, France).  
01/00 to 12/02 Postdoctoral fellowship supervised by Dr Julie Déchanet-Merville, UMR5164 CNRS (Bordeaux France).  
10/96 to 12/99 Thesis training (PhD), INSERM 463 INSERM (Nantes, France), mentor: Dr Marc Bonneville.

## RESEARCH FUNDING (2011-present)

AO Transdisciplinaire phase II 2018 UN (150k€, 2019-2021), AO Transdisciplinaire 2017 UN (20k€, 2017), ARMINA Consortium (130k€, 2012-2016), IMBIO-DC Consortium (150k€, 2011-2014), IHU CESTI (25k€, 2014-2015), SATT CONECTUS (Alsace, 20k€, 2012).

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

PhD Students: 4/0. Postdocs: 4/0. MSc/MD Students: 8/0. Undergraduate Students: 10/0. Senior Technicians/Research Associates/Project Managers: 1/1.

**EXPLOITATION: 2 US, 1 WO, 2 EP PATENTS DEPOSITED.**

## KEY ACHIEVEMENTS AND HONOURS

AVENIR laureate in 2002. Peer Reviewer for >10 Scientific Journals. Invited Lectures (2000-Pres.): 16. Presentations at national/international meetings as presenting or senior author (2000-present): 11 oral communications and 17 posters. Member of the French DC society's steering committee since 2014. President of the 20<sup>th</sup> NAT meeting (2015) and co-organizer of 5 other national/international meetings in Nantes and Paris. Chairman of the 3D bioprinting session at Bioregate Forum 2018.

## MOST RELEVANT PUBLICATIONS (out of 38 Pubmed-indexed original papers/reviews)

Total Citations (april 2018, without self citations): 1122. H-index: 19

1. Fine-mapping the interaction between DC-SIGN and the cytomegalovirus envelope glycoprotein B. Chéneau C, Coulon F, Porkolab V, Fieschi F, Laurant S, Razanajaona-Doll D, Pin JJ, Borst EM, Messerle M, Bressollette-Bodin C, **Halary F**. *J Infect Dis*. 2018 Apr 10. doi: 10.1093/infdis/jiy194. [Epub ahead of print].
2. Multiplex CRISPR/Cas9 system impairs HCMV replication by excising an essential viral gene. Gergen J, Coulon F, Creneguy A, Elain-Duret N, Gutierrez A, Pinkenburg O, Verhoeyen E, Anegon I, Nguyen TH, **Halary FA\***, Haspot F\*. *PLoS One*. 2018 Feb 15;13(2).
3. Polymeric mannosides prevent DC-SIGN-mediated cell-infection by cytomegalovirus. Brument S, Cheneau C, Brissonnet Y, Deniaud D, **Halary F\***, Gouin SG\*. *Org Biomol Chem*. 2017 Sep 20;15(36):7660-7671.
4. Functional Langerinhigh-Expressing Langerhans-like Cells Can Arise from CD14highCD16- Human Blood Monocytes in Serum-Free Condition. Picarda G, Chéneau C, Humbert JM, Bériou G, Pilet P, Martin J, Duteille F, Perrot P, Bellier-Waast F, Heslan M, Haspot F, Guillon F, Josien R, **Halary F**. *J Immunol*. 2016 May 1;196(9):3716-28.
5. Infectious Diseases in Transplantation--Report of the 20th Nantes Actualités Transplantation Meeting. Haspot F, **Halary F**. *Transplantation*. 2015 Dec;99(12):2444-7.
6. Human cytomegalovirus entry into dendritic cells occurs via a macropinocytosis-like pathway in a pH-independent and cholesterol-dependent manner. Haspot F, Lavault A, Sinzger C, Laib Sampaio K, Stierhof YD, Pilet P, Bressollette-Bodin C, **Halary F**. *PLoS One*. 2012;7(4):e34795.
7. Measles virus glycoprotein-pseudotyped lentiviral vectors are highly superior to vesicular stomatitis virus G pseudotypes for genetic modification of monocyte-derived dendritic cells. Humbert JM, Frecha C, Amirache Bouafia F, N'Guyen TH, Boni S, Cosset FL, Verhoeyen E, **Halary F**. *J Virol*. 2012 May;86(9):5192-203.

8. **Halary F**, Pitard V, Krzysiek R, de la Salle H, Merville P, Emilie D, Moreau JF and Déchanet-Merville J. Vd2neg gamma/delta T cells shared reactivity against CMV-infected cells and epithelium-derived tumor cells : implication in mucosal immunity. *J. Exp. Med.*, 2005 May 16; 201(10):1567-78.
9. **Halary F**, Amara A, Lortat-Jacob H, Messerle M, Delaunay T, Houès C, Fieschi F, Arenzana-Seisdedos F, Moreau JF & Dechanet-Merville J. Human cytomegalovirus binding to DC-SIGN is required for dendritic cell infection and target cell trans-infection. *Immunity*. 2002 Nov;17(5):653-64.

**\*Co-last authors**