

CURRICULUM VITAE

Biographical Information

Surname: **Remot-Brizion**
Name: **Aude**
Date of Birth: February 8, 1987.
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Education and training

03/2013 to present **Post-doctoral position**, INRA CJS Contract and Agreenskills fellow.

Project: **“Impact of the development of the pulmonary microbiota on neonatal immunity”**

Team: ProbiHote (Commensal and Probiotics-Host Interactions Laboratory), MICALIS department, National Institute for Agronomical Research, Jouy-en-Josas, France.

Supervisor: Dr Muriel Thomas

Agreenskills fellow for a 6 months mobility period (09/2013-03/2014) in the Laboratory of Immunoregulation and Mucosal Immunology, Department of Molecular Biomedical Research, Gent University, Belgium.

Supervisor: Pr Hamida Hammad

2009/2013 **PhD** (3 1/2 years), INRA CJS Contract, ABIES doctoral school. (Very honourable distinction).

PhD Project: **“Immune lung features related to the higher severity of respiratory syncytial virus infection in newborns”**

Team: VIAM (Vaccination and Antiviral Immunity in Mammals), VIM department, National Institute for Agronomical Research, Jouy-en-Josas (78) France

Supervisor: Dr Sabine Riffault

2007/2009 **Master degree (Cellular and Molecular Infectiology and Vaccinology)** (Rank 1/41, Magna cum laude distinction)

University of Sciences and Techniques, Tours (37)

6 months project: **Evaluation of the vaccinal potential of a metabolically biotinylated adenovirus for ovine dendritic cell targeting and ligand screening.**

Team: CIMEN (Control and Immunity of neonatal enteric diseases), ISP department, INRA Tours-Nouzilly (37)

Supervisor: Dr Fabrice Laurent

2 months project: **In vitro modulation of CD8+ T cells « educated » by human dendritic cells pre-treated with mycophenolic acid.**

Team: Dendritic Cells and Graft, Bretonneau Hospital, Tours medical university.

Supervisors: Dr Florence Velge-Roussel & Dr Roxane Lemoine

2004/2007 **Bachelor's Degree (Biochemistry, major immunology)**
University of Sciences and Techniques, Tours (37)

2004 **Baccalaureate (Sciences)**

Main scientific communications

Oral presentations

- Lung neonatal responses to respiratory syncytial virus reveal deficiencies in dendritic cells and type I interferon in a mouse model of airway enhanced disease. Word Immune Regulation Meeting, Davos – Switzerland 21/03/2014. **Honor: best presentation award**
- What immune lung features relate to the higher severity of respiratory syncytial virus infection in newborns? Institute of Virology, University of Veterinary Medicine, Hannover - Germany 22/09/2010. **Invited speaker**

Posters

- Impact of the development of the lung microbiota on neonatal immunity. Word Immune Regulation Meeting, Davos – Switzerland 21/03/2014.
- Nucleoprotein nanostructures: a mucosal subunit vaccine candidate for neonates protective against the respiratory syncytial virus. Cold Spring Harbor meeting: Harnessing immunity to prevent and treat disease. NY, USA. 16-18/11/11 and European Congress of Immunology, Glasgow 5-8/09/2012. **Award by the French Society for Immunology and the French Academy of Sciences.**
- Newborns are particularly prone to respiratory syncytial virus infection: Why? How to protect them? ABIES Days, Paris – France 29-30/03/11. **Honor: prize for the best presentation.**

Collaboration, Membership and Networking

- **Implication in an ICSA project** dedicated to neonatal dendritic cells in the mucosa (ICSA = Institut Carnot de Santé Animale, project NeoDC) - 2012-2013
- **Member of the scientific committee of my doctoral school (ABIES)** – Paris 2010-2011
- **Member of Doc’J** (the association for PhD Students in Jouy-en-Josas), treasurer from 2010 to 2012
- **Organization of two congresses** about scientific popularization – *Jouy-en-Josas, 2011 and 2012*
- **Conception of scientific supports** for general public communication, and **permanence** at the INRA stand of the **international agriculture exhibition**. *Salon international de l’agriculture - Paris 2011*

Teaching experience

Teaching (2x1h, AgroParisTech students) – *INRA Jouy-en-Josas – 2011 and 2012*

Supervised a Master, a Bachelor and an IUT student - *INRA Jouy-en-Josas – 2010, 2013 and 2014.*

Languages

French: maternal language

English: fluent (TOEIC 865/990)

Publications

A. Remot, L. Jouneau, C. Dubuquoy, S. Bouet, J. Lecardonnel, E. Rebours, C. Cherbuy, A. Petit-Camurdan and S. Riffault. Lung Neonatal Responses to Respiratory Syncytial Virus Reveal Deficiencies in Dendritic Cells and Type I Interferon Contributing in a mouse model of airway enhanced disease. Under preparation for AJRCCM.

M. Rameix-Welti, R. Le Goffic, PL Hervé, J. Sourimant, **A. Remot**, S. Riffault, Q. Yu, M. Galloux, E. Gault and JF Eleouët. Visualizing RSV replication in cells and in living mice. Under revision in Nature Biotechnology.

A. Remot, X. Roux, C. Dubuquoy, J. Bernard, M. Moudjou, JF. Eléouët, S. Riffault and A. Petit-Camurdan. Nucleoprotein Nanostructures Combined with Adjuvants Adapted to the Neonatal Immune Context: a Candidate Mucosal RSV Vaccine. PLoS ONE 2012

A. Remot*, X. Roux*, M. Abolhassani, A. Petit-Camurdan, M-A. Nahori, H. Kiefer-Biazzizo, G. Marchal, M. Lagranderie and S. Riffault. Neonatal pulmonary immune responses show a deficit of the conventional dendritic cell subset and a shift of cytokines and transcription factors towards Th2. European Journal of Immunology 2011 (**co first author*)

S. Ferret-Bernard, S. Lacroix-Lamandé, **A. Remot**, C. Metton, N. Bernardet, B. Charley, F. Drouet and F. Laurent. Mesenteric Lymph Node Cells from Neonates Present a Prominent IL-12 Response to CpG Oligodeoxynucleotide via an IL-15 Feedback Loop of Amplification. Veterinary Research 2011.

S. Ferret-Bernard, **A. Remot**, S. Lacroix-Lamandé, C. Metton, N. Bernardet, F. Drouet and F. Laurent. Cellular and Molecular Mechanisms Underlying the Strong Neonatal IL-12 Response of Mesenteric Lymph Node Cells to R-848. PLoS ONE 2010

References

Dr Muriel Thomas (Post-doctoral supervisor), MICALIS department, INRA Jouy-en-Josas (78350) Senior Scientist, group leader in the ProbiHote team headed by Dr. Philippe Langella.
muriel.thomas@jouy.inra.fr

Dr Sabine Riffault (PhD supervisor), VIM department, INRA Jouy-en-Josas (78350) Senior Scientist, group leader in the VIAM team headed by Dr. Isabelle Schwartz-Cornil, deputy director of the VIM department.
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Pr, Dr Hamida Hammad (my promotor during my mobility period), Laboratory of Immunoregulation, VIB-Inflammation Research Center, Technologiepark 927, B9052 Zwijnaarde, Belgium
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