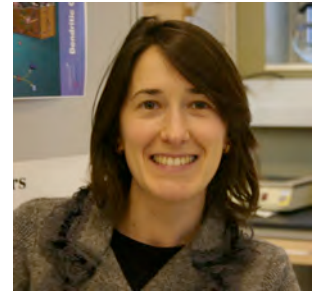


Marion LANTERI

Blood Systems Research Institute
Immunology
270 Masonic Avenue
San Francisco CA 94118, USA
Phone: +1-415-923-5772
E-mail: mlanteri@bloodsystems.org



Professional experience:

- 2009- **Staff Scientist** – “*Immunopathogenesis of West Nile virus infection in blood donors*”
Blood Systems Research Institute, San Francisco, CA, USA
- 2005-2009 **Post-doctoral Fellow** – “*T cell responses to West Nile virus infection in humans*”
Immunology, Blood Systems Research Institute, San Francisco, CA, USA
- 2003-2005 **Teaching Assistant** - *Glycobiology, Virology, and Immunology*
Biochemistry Center, University of Nice, FRANCE
- 2004-2005 **Post-doctoral Fellow** - “*Suicide Gene Therapy in a model of colic metastasis in the liver*”
(Mentor: B. Rossi) INSERM U638, Nice, FRANCE
- 2000-2004 **PhD student** - “*Glycans modifications and HIV infection*”
(Mentors: J.C. Lefebvre & V. Giordanengo) INSERM U 526, Nice, FRANCE
- 1999-2000 Technician, Laboratory of virology, Pasteur Hospital, Nice, FRANCE

List of publications:

1. JP. Law, DF. Hirschhorn, RE. Owen, HH. Biswas, PJ. Norris, **MC. Lanteri**.
The Importance of Foxp3 Antibody and Fixation/Permeabilization Buffer Combinations in Identifying CD4+CD25+Foxp3+ Regulatory T Cells. Cytometry Part A 2009 (in press).
2. **MC. Lanteri**, KM. O'Brien, WE. Purtha, MJ. Cameron, JM. Lund, RE. Owen, JW. Heitman, B. Custer, DF. Hirschhorn, LH. Tobler, N. Kiely, HE. Prince, LC. Ndhlovu, DF. Nixon, HT. Kamel, DJ. Kelvin, MP. Busch, AY. Rudensky, MS. Diamond, and PJ. Norris. *Tregs control the development of symptomatic West Nile virus infection in humans and mice.*
The Journal of Clinical Investigation 2009 (in press).
3. LC. Ndhlovu, FE. Leal, LG. Eccles-James, AR. Jha, **M. Lanteri**, PJ. Norris, JD. Barbour, DJ. Wachter, J. Andersson, K. Taskén, EA. Torheim, EM. Aandahl, EG. Kallas, DF. Nixon. *A Novel Human CD4+ T cell Inducer Subset with Potent Immunostimulatory Properties.* *European Journal of Immunology* 2009 (in press).
4. Tobler LH, Cameron MJ, **Lanteri MC**, Prince HE, Danesh A, Persad D, Lanciotti RS, Norris PJ, Kelvin DJ, Busch MP. *Interferon and interferon-induced chemokine expression is associated with control of acute viremia in West Nile virus-infected blood donors.* *J Infect Dis.* 2008 Oct 1; 198 (7):979-83. Erratum in: *J Infect Dis.* 2008 Nov 15;198 (10):1575.
5. **Lanteri M**, Heitman J, Owen R, Busch T, Geftner N, Kiely N, Kamel HT, Tobler L, Busch MP, Norris PJ. *Comprehensive analysis of West Nile virus-specific T cell responses in human infection*
J Infect Dis. 2008 May 1;197 (9):1296-306.
6. **Lanteri M**, Ollier L, Giordanengo V, Lefebvre JC. *Designing a HER2/neu promoter to drive $\alpha 1,3$ galactosyltransferase expression for targeted anti- α Gal antibody-mediated tumor cell killing.*
Breast Cancer Research 2005, 7:R487-R494.
7. Giordanengo V, Ollier L, **Lanteri M**, Lefebvre JC. *Epigenetic reprogramming of UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase (GNE) in HIV-1-infected CEM T cells.*
FASEB J. 2004 Dec;18 (15):1961-3.
8. **Lanteri M**, Giordanengo V, Hiraoka N, Fuzibet JG, Auberger P, Baum LG, Lefebvre JC. *Altered T cell surface glycosylation in HIV-1 infection results in increased susceptibility to galectin-1-induced cell death.*
Glycobiology. 2003 Dec;13 (12):909-18.
9. **Lanteri M**, Giordanengo V, Vidal F, Gaudrey P, Lefebvre JC. *A complete $\alpha 1,3$ -galactosyltransferase gene is present in the human genome and partially transcribed.* *Glycobiology.* 2002 Dec;12 (12):785-92.

Education:

2004: **Ph.D. obtained in June 2004**
1999-2000: **Master: DEA Pharmacology Molecular and cell Biology** at the University of Nice
Graduated with honours (10th of 45 students)
1998: **B.Sc. in Biochemistry** at the University of Nice
1995-1997: **Veterinary Preparatory class** in Nice
1995: **Scientific "Baccalauréat"** optional subject: mathematics.

Languages: French, English, German.

Technical skills:

Molecular biology:

- RT-PCR / PCR, primer design, electrophoresis, northern-blot, Southern-blot, probe radiolabelling.
- Plasmid engineering, mapping by enzymatic restriction, DNA sub-cloning (plasmids ligation), sequencing.

Cellular biology:

- Cell culture: human lymphocytes, mammary, and fibroblastic cell lines.
- Transfection by Fugene 6, electroporation, calcium phosphate precipitation.
- Selection of transfected cell lines by geneticin or puromycin.

Bacteriology:

- Transformation and antibiotic selection.
- Bacterial analysis by replica membranes, lysis, and radiolabelled probes.
- Plasmid purification and characterization.

Biochemistry:

- SO_4^{2-} metabolic labelling, molecule sorting by antibodies or lectins binding, western-blot, immunoprecipitation, Elisa tests, Gel filtration or affinity chromatography.

Immunology:

- MACS beads cell separation bead
- ELISA and multiplex assays with luminex for cytokines assays
- Anti-IFN- γ ELISPOT for epitope mapping of WNV peptides for T cell responses
- Cell staining for flow analysis

Flow Cytometry: FACScan, LSRII 3 lasers, Aria Cell sorter, Luminex

Virology: (*L2 and L3 laboratory environments*)

- Organization of a BSL-3 – Security and training
- Infectious agents: HIV-1, West Nile Virus (WNV)
- Infection of human PBMC / Infected blood plasma PBMC
- Retroviral systems: transfection of encapsidation cell lines, viral production, infections.

Informatics: Office/Prism/Photoshop/McDNasis/Flow Jo and Diva/Bioplex Manager/Immunospot

Research support:

On going:

1RC2HL101632-01 (Busch) NHLBI 09/30/09-08/31/11
Viral/immune parameters of Dengue and WNV in donors: blood safety implications
Role: Co-Investigator

Completed:

- R01-C1000214 (Busch) CDC “Natural History and Pathogenesis of WNV in Viremic Donors” 2005-2008
Role: Post-doctoral Fellow
- University of Nice-Sophia Antipolis and French Ministry of Education 2003-2005
- French Ministry of Research MNERT Fellowship 2000-2003

Other competences:

Teaching and mentoring competences:

Lectures: virology, immunology, glycobiology

Practical training: molecular biology, glycobiology and flow cytometry

Management experience:

- *July 2001*: One month project developed with a student attending the master of Pharmacology from the University of Nice: « Stable transfection of mammary tumor cell lines with the α 1,3-galactosyltransférase DNA under control of different promoters».
- *May 2001 and April 2002*: Research training for students attending the Master of Biochemistry from the University of Nice
- *May 2003*: Mentoring student from the Master of Biochemistry of Nice for bibliographical research and oral presentation
- *Summer 2006*: 9 weeks of partnership with a summer intern screening a library of WNV peptides for T cell responses
- *Summer 2009*: Mentorship for 2 interns using immunological assays to detect Th17 cells in PBMCs from WNV+ donors
- 2008-2009: Working with a research assistant on assays to characterize T cell responses to WNV in humans

Oral presentations:

- October 2003: **Albert Einstein Institute** (New-York, USA) P. Stanley
- December 2003: **ETH-Zürich-Irchel** (Switzerland) E.G Berger
- November 2004: **Stanford Uuniversity** (CA, USA) J. Sage
- November 2004: **Blood Systems Research Institute** (San Francisco, CA, USA) P. Norris
- 2005-2009: **Gladstone Institute of Virology and Immunology**
- April 2007: IXeme Journées francophones de virologie in Paris
- June 2007: **BLING** meeting at **SFGH**
- October 2007: **2007 PlanetxMap** meeting **Amsterdam (invited speaker)**
- October 2007: **Grand Round** presentation **UCSF**
- November 2007: **IPMC** of Sophia-Antipolis **France (invited speaker)**
- December 2007: **Grand Round** presentation **UCSF**
- February 2007: **Inter-lab meeting Div. of Exp. Medicine UCSF**
- October 2008: UCSF Immunology retreat in Monterey
- May 2009: UCSF Immunology Friday post-doc seminars

Poster presentations:

- IVème et Vème Journées francophones de virologie in Paris
- December 2005: **54th ASTMH meeting** in Washington DC
- February 2006: **26th West Nile Virus annual meeting** San Francisco, CA
- October 2006: UCSF Immunolgy retreat in Monterey, CA
- October 2007: **7th Cytokines meeting** San Francisco, CA
- March 2009: **Keystone meeting on Regulatory T cells**, Keystone, CO

Continuous education and training:

- February 2006: Executive leadership course from UC Berkeley Center for executive education
- March–May 2008: “Accurate Grammar for speaking and writing” course from Lingua Tec. Inc
- July 2008: “Scientific Leadership and Management” course from UCSF
- January 2009: “Setting goals for your career direction and professional growth” course from UCSF
- February 2009: “English Pronunciation” course from UCSF