

# CV

## DR. LAURENT MULLER

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## STUDIES

**1988-2001** Primary and secondary school Luxembourg

**06/2001** Final exam with special focus on natural sciences and mathematics, Luxembourg

**2001-2007** Medical studies, Albert-Ludwig-University Freiburg, Germany

**End 2007** Final university exam (grading: "good") and licence to practice as a medical doctor

**06/2006** USMLE Step 1

## CLINICAL STUDIES

**03/2003-06/2006** 25 weeks clinical training in Anesthesia, Surgery und Internal medicine Regional

Hospital Ettelbruck, Luxembourg

**08/2006 – 07/2007** 1-year clinical training, Orthopedics, University Hospital, Freiburg, Germany;

Surgery, University Hospital Point-à-Pître, France, Internal Medicine, University Hospital Basel

**06-2008-06/2009** Resident, Surgical Department, Prof. Dr. M. von Flüe, St Clara Hospital, Basel

**06/2009-06/2011** Resident, ENT Department, University Hospital Basel, Prof. Dr. M. Wolfensberger and Prof. Dr. D. Bodmer

**06/2011 – 10/2012** Resident, ENT Department, Cantonal Hospital Aarau, Prof. Dr. F. Metternich

**11/ 2012** Written and oral specialization exam (FMH ORL)

**09/2014 – 03/2015** Resident, ENT Department, University Hospital Basel, Prof. Dr. D. Bodmer

**01/ 2015** Specialization Title (FMH ORL)

**02/ 2015** ENT Ultrasound Subtitle

**Since 04/2015** Consultant (Oberarzt), ENT Department,

## SCIENTIFIC WORK

**06/2004-04/2008** Experimental doctoral thesis:

“Thiopental induces a heat shock response and reduces the Staurosporin-induced apoptosis in human T-lymphocytes in vitro”

Prof. Dr. T. Loop (Doctor father)

Department of experimental anesthesiology, University Hospital, Freiburg

Grading: „Magna cum laude“

The work was published 2008 in “The Journal of Pharmacology and Experimental Therapeutics”

**05/2005-08/2006** Postdoctoral fellow in the laboratory for experimental anesthesiology University Hospital Freiburg

**01/2013-08/2014** Research fellowship (postdoc) in the laboratory of professor Whiteside, Hillman Cancer Institute, University of Pittsburgh, USA

**01/2014-08/2014** Close collaboration with professor J. Kirkwood, chair and head of the melanoma and skin cancer research program at the University of Pittsburgh and with professor S. Watkins, head of the imaging centre, University of Pittsburgh

**07/2013** Reviewer at the “Cytometry” Journal

**Since 09/2014** Member and PI ENT research laboratory, head Professor Dr. D. Bodmer

## PUBLICATIONS

1. Mehlhorn, AT., Niemeyer, P., Kaschte, K., **Muller, L.**, Finkenzeller, G., Hartl, D., Sudkamp, NP., Schmal, H. Cell Prolif. 2007, 40, 809-823

2. Roesslein, M., Schibilsky, D., **Muller, L.**, Goebel, U., Schwer, C., Humar, M., Schmidt, R., Geiger, KK., Pahl, HL., Pannen, BH., Loop, T. 2008 Pharmacol Exp Ther. 325(1):217-25

3. **Muller, L.** and Storck. 2011. CME-ORL 2. Schweizerische Rundschau für Medizin PRAXIS, Vol. 100, H. 11. S. 676-677

4. **Muller, L.** and Schlegel M. 2014. HNO. 62(8):590-2.

5. Schuler, PJ., Saze, Z., Hong, CS., **Muller, L.**, Gillespie, DG., Cheng, D., Harasymczuk, M., Mandapathil, M., Lang, S., Jackson, EK. and Whiteside, TL. 2014. Clin Exp Immunol. 177(2):531-43.

6. Hong, CS., **Muller, L.**, Whiteside, TL. and Boyiadzis, M. 2014. Front Immunol. 10;5:160.

7. Muller-Haegele, S., **Muller, L.** and Whiteside, TL. 2014. Expert Rev Clin Immunol. 10(7):897-914.

8. **Muller, L.**, Hong, CS., Stolz, DB., Watkins, SC. and Whiteside, TL. 2014. J Immunol Methods. 411:55-65.

9. Hong, CS., **Muller, L.**, Boyiadzis, M. and Whiteside, TL. 2014. PLoS One. 9(8):e103310.

10. **Muller, L.**, Muller-Haegele, S., Mitsuhashi, M., Gooding, W., Okada, H. and Whiteside, TL. 2015. Oncoimmunology. 4(6):e1008347.

11. **Muller, L.**, Mitsuhashi, M., Gooding, WE. and Whiteside, TL. 2016. Nature Scientific Reports. Feb 4;6:20254.

12. Figueiro, F., **Muller, L.**, Funk, S., Jackson, EK., Battastini, AMO. and Whiteside, TL. 2016. Oncoimmunology. Feb 26;5(2):e1082703.

University Hospital Basel, Prof. Dr.  
Dr. D. Bodmer

**01/2016** Training as surgeon for  
transoral robotic surgery

**05-07/2017** Clinical fellowship,  
Gustave-Roussy University  
Hospital, Paris, France

**13.** Hong, CS., Funk, S., **Muller, L.**, Boyiadzis, M. and Whiteside, TL. 2016.  
J. Extracellular Vesicles. 2016 Mar 24;5:29289.

**14.** **Muller, L.**, Simms, P., Nishimura, M., Watkins, SC. and Whiteside, TL.  
2016. *Accepted for publication in Oncoimmunology.*

## RESEARCH GRANTS

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**01-12/2013** Early Postdoctoral Mobility Grant, Swiss national foundation  
(SNF), PBSKP3\_140119 / 1: "The role of tumor-derived microvesicles  
(TMV, Exosomes) in immune suppression and progression of head and  
neck squamous cell carcinoma (HNSCC)"

**01-12/2014** Specialized Programs of Research Excellence grant (SPORE  
NIH) in Melanoma & Skin Cancer“, „Career Development Award  
Program“:

“Molecular profiling of melanoma-derived exosomes and its clinical  
significance”

**03/2016-03/2017** Special program clinical research, University Basel  
(DMS2334), “The immunosuppressive and prognostic role of Epstein-Barr  
Virus latent membrane protein-1/-2 (LMP-1/-2) positive exosomes in  
plasma of nasopharyngeal cancer patients”

**08/2016-08/2017** Krebsliga Beider Basel, Nr.18-2016, “The  
immunosuppressive and prognostic role of Epstein-Barr Virus latent  
membrane protein-1/-2 (LMP-1/-2) positive exosomes in plasma of  
patients with nasopharyngeal cancer and their interaction with regulatory  
B cells (Breg)”

## TEACHING

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**08/2013-06/2014** Mentor and supervisor student, Carnegie Mellon  
University Pittsburgh

**09/2013-08/2014** Teaching PhD student, Fabricio Figueiro, University of  
Pittsburgh

**05-07/2015** Didactics courses in higher education, moduls 1, 2 and 4,  
University Basel

**Since 09/2014** Teaching and testing of residents and students (OSCE,  
state exam) medical faculty, University Basel

**Since 04/2016** Mentoring Medical Doctoral Thesis of Mali Coray,  
University Basel

**Since 05/2016** Mentoring Postdoctoral Fellowship, Dr. Eugene Wong,  
University of Kuala Lumpur, Malaysia