

Curriculum Vitae – Miriam Erlacher

Born: October 9, 1978 in Bozen, Italy
Nationality: Italian
Social status: single

Education:

1997 High School diploma (Matura), Brixen, Italy
1997-2003 Studies of Medicine, Leopold-Franzens University Innsbruck, Austria
2003 Graduation with the degree “Dr.med.univ.” (MD)
2003-2006 PhD studies in the program “Molecular Oncology” at Innsbruck Medical University
2007 Graduation with the degree “MD/PhD”

Scientific education:

2000-2002 MD thesis “Reciprocal action between T cell receptor and glucocorticoid receptor induced apoptosis in murine thymocytes”, Institute of Experimental Pathophysiology and Immunology, Innsbruck Medical University, Supervisors: Prof. Dr. G. Wick and Dr. J. Wieggers
2003-2006 PhD thesis “The role of the BH3-only proteins Bim and Puma in development and cell death signaling”, Division of Developmental Immunology, Innsbruck Medical University, Supervisor: Prof. Dr. Andreas Villunger
since 2009 Independent group leader, Division of Pediatric Hematology and Oncology, Department of Pediatrics and Adolescent Medicine, University Hospital of Freiburg, with supervision of 3 doctorate students.
since 2012 Principal investigator at Spemann Graduate School of Biology and Medicine (SGBM), University of Freiburg,

Clinical education:

2006 Internship (“Tirocinio”) at the Hospital of Sterzing (Italy)
2006 License to practice medicine (“Approbation”), University of Bologna (Italy); accredited in Baden-Württemberg
2006-2013 Residency at the Division of Pediatric Hematology and Oncology, Department of Pediatrics and Adolescent Medicine, University of Freiburg; Mentor: Prof. Dr. Charlotte Niemeyer.
03/2013 Board certification in pediatric and adolescent medicine (“Facharztprüfung”)
since 2013 Training in pediatric hematology and oncology, Department of Pediatrics and Adolescent Medicine, University of Freiburg.

Scientific honors:

- Junior fellowship at FRIAS (Freiburg Institute for Advanced Studies), University of Freiburg (2013-2014)
- Research prize of the “Deutsche Arbeitsgemeinschaft für Knochenmark- und Blutstammzelltransplantation“, 2013, for the publication “Haematopoietic Stem Cell Survival and Transplantation Efficacy is Limited by the BH3-only Proteins Bim and Bmf”.
- Fellowship “Margarete von Wrangell-Habilitationsprogramm”, Ministerium für Wissenschaft, Forschung und Kunst in Baden-Württemberg and the European Social Fund (2009-2013)

- Fellowship for the workshop “Translational Research Training in Hematology”, awarded by the European Haematology Association (EHA) and the American Society for Haematology (ASH), 2010
- Thesis award of the Austrian Society of Allergology and Immunology for the PhD thesis, 2006
- Sanofi-Aventis-Award for the publication “The BH3-only proteins Puma/bbc3 and Bim are rate-limiting for γ -radiation and glucocorticoid induced apoptosis of lymphoid cells in vivo”, *Blood*, 2006
- Various poster and travel awards

Publications:

Labi, V.*, Bertele, D.*, Woess, C., Tischner, D., Bock, F. J., Schwemmers, S., Pahl, H. L., Geley, S., Kunze, M., Niemeyer, C. M., Villunger, A., **Erlacher, M.** (2013) Haematopoietic stem cell survival and transplantation efficacy is limited by the BH3-only proteins Bim and Bmf. *EMBO Mol.Med.* **5**, 122-136 (*equal contribution)

Labi, V., **Erlacher, M.**, Krumschnabel, G., Manzl, C., Tzankov, A., Pinon, J., Egle, A., Villunger, A. (2010) Apoptosis of leukocytes triggered by acute DNA damage promotes lymphoma formation. *Genes Dev.* **24**, 1602-1607

Niemeyer, C. M., Kang, M. W., Shin, D. H., Furlan, I., **Erlacher, M.**, Bunin, N. J., Bunda, S., Finklestein, J. Z., Sakamoto, K. M., Gorr, T. A., Mehta, P., Schmid, I., Kropshofer, G., Corbacioglu, S., Lang, P. J., Klein, C., Schlegel, P. G., Heinzmann, A., Schneider, M., Stary, J., van den Heuvel-Eibrink MM, Hasle, H., Locatelli, F., Sakai, D., Archambeault, S., Chen, L., Russell, R. C., Sybingco, S. S., Ohh, M., Braun, B. S., Flotho, C., Loh, M. L. (2010) Germline CBL mutations cause developmental abnormalities and predispose to juvenile myelomonocytic leukemia. *Nat.Genet.* **42**, 794-800

Erlacher, M., Labi, V., Manzl, C., Bock, G., Tzankov, A., Hacker, G., Michalak, E., Strasser, A., Villunger, A. (2006) Puma cooperates with Bim, the rate-limiting BH3-only protein in cell death during lymphocyte development, in apoptosis induction. *J.Exp.Med.* **203**, 2939-2951

Erlacher, M., Michalak, E. M., Coultas, L., Labi, V., Niederegger, H., Adams, J. M., Strasser, A., Villunger, A. (2005) The BH3-only proteins Puma/bbc3 and Bim are rate-limiting for γ -radiation- and glucocorticoid-induced apoptosis of lymphoid cells in vivo. *Blood* **106**, 4131-4138