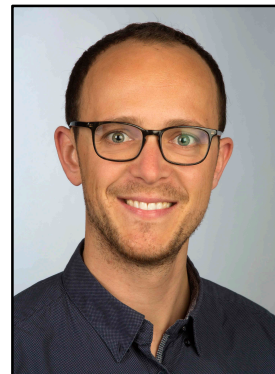


Curriculum Vitae
Raimund Bauer, PhD



Personal Data

Name: Raimund Bauer
Date of Birth: October 9th, 1983
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Education and Scientific Career

since 02/2018 Postdoctoral research fellow at the **Medical University of Vienna**, Center for Pathobiochemistry and Genetics, Währingerstraße 10, 1090 Vienna, Austria, Laboratory of Dr. Herbert Stangl

02/2015 - 11/2017 Postdoctoral research fellow at the Institute of Tumor Biology and II. Medical Clinics, **University Medical Clinics Hamburg Eppendorf**, Hamburg, Germany, Laboratory of Prof. Sonja Loges.

09/2013 - 09/2014 Postdoctoral research fellow at the **Medical University of Graz**, Institute of Molecular Biology and Biochemistry, Laboratory of Prof. Ernst Steyrer.

03/2009 – 06/2013 **PhD Thesis at the Medical University of Vienna, Max F. Perutz Laboratories.** Department of Medical Biochemistry, Division of Molecular Genetics; PhD program Molecular Mechanisms of Cell Biology (N094); Laboratory of Univ. Prof. Wolfgang J. Schneider.

02/2008 – 12/2008 **Diploma Thesis at the Medical University of Vienna, Max F. Perutz Laboratories.** Department of Medical Biochemistry, Division of Molecular Genetics, Laboratory of Univ. Prof. Wolfgang J. Schneider.

10/2003 - 02/2009 **University of Vienna.** Undergraduate studies of Microbiology and Genetics, Faculty of Life Sciences, main focus Developmental and Cell Biology.

Main Interests of Research

- I. The influence of brown adipose tissue and high-density lipoproteins on tumor biology.
- II. Myeloid-derived suppressor cells in the tumor microenvironment

Awards, Fellowships and Certificates

- **Erwin Schrödinger Postdoctoral Fellowship** of the Austrian Science Fund FWF: The functional role of HDL in the tumor microenvironment (J 3664-B19, awarded November 2014).
- **MSD-Austria Publication Award** at the 20th annual meeting of the Austrian Atherosclerosis Society (AAS), May 2013; St. Gilgen / Wolfgangsee, Austria.
- **AESCA-MSD Price** for the best oral presentation at the 17th annual meeting of the Austrian Atherosclerosis Society (AAS), May 2010; St. Gilgen / Wolfgangsee, Austria.
- **FELASA B** certificate for the handling with laboratory animals from the University Medical Clinics Hamburg Eppendorf (2015).

Selected Conference Contributions

- **Annual Meeting of the German, Austrian and Swiss Society for Hematology and Medical Oncology, DGHO 2017, Stuttgart, Germany.** All-trans retinoic acid enhances the therapeutic efficacy of anti-angiogenic therapeutics by intratumoral S100A8 reduction and vessel normalization (oral presentation).
- **VII. UCCH Research Retreat, 11. - 12. September, 2015; Jesteburg, Germany.** The role of myeloid derived suppressor cells in the formation of resistance to anti-angiogenic therapies (oral presentation).
- **20th Annual Meeting of the Austrian Atherosclerosis Society (AAS); May 2013, St. Gilgen, Austria.** The developing chicken yolk sac acquires nutrient transport competence by an orchestrated differentiation process of its endodermal epithelial cells (oral presentation).
- **ASBMB Special Symposia Series 2012; Frontiers in Lipid Biology; September 4th-9th, 2012; Banff, Alberta, Canada.** A differentiation process of chick yolk sac endodermal epithelial cells orchestrates nutrient transport to the embryo (poster presentation).

- **18th annual Scandinavian Atherosclerosis Conference; April 16th-19th, 2012; Humlebaek, Denmark.** Lipoprotein transport in the yolk sac (poster presentation).

Scientific Publications

1. **Bauer R**, Udonta F, Wroblewski M, Ben-Batalla I, Santos IM, Taverna F, Kuhlencord M, Gensch V, Päsler S, Vinckier S, Brandner JM, Pantel K, Bokemeyer C, Vogl T, Roth J, Carmeliet P, Loges S. Blockade of myeloid-derived suppressor cell expansion with all-trans retinoic acid increases the efficacy of anti-angiogenic therapy. **Cancer Res.** **2018** Apr 19. pii: canres.3415.2017. doi: 10.1158/0008-5472.CAN-17-3415. [Epub ahead of print] PMID:29674477
2. Wroblewski M, Scheller-Wendorff M, Udonta F, **Bauer R**, Schlichting J, Zhao L, Ben-Batalla I, Gensch V, Päsler S, Wu L, Wanior M, Taipaleenmäki H, Bolamperti S, Najafova Z, Pantel K, Bokemeyer C, Qi J, Hesse E, Knapp S, Johnsen S, Loges S. BET-inhibition by JQ1 promotes proliferation and self-renewal capacity of hematopoietic stem cells. **Haematologica** **2018** Mar 22. pii: haematol.2017.181354.
3. Wroblewski M, **Bauer R**, Cubas Córdova M, Udonta F, Ben-Batalla I, Legler K, Hauser C, Egberts J, Janning M, Velthaus J, Schulze C, Pantel K, Bokemeyer C, Loges S. Mast cells decrease efficacy of anti-angiogenic therapy by secreting matrix-degrading granzyme B. **Nat Commun.** **2017** Aug 16;8(1):269.
4. Sachdev V, Leopold C, **Bauer R**, Patankar JV, Iqbal J, Obrowsky S, Boverhof R, Doktorova M, Scheicher B, Goeritzer M, Kolb D, Turnbull AV, Zimmer A, Hoefler G, Hussain MM, Groen AK, Kratky D. Novel role of a triglyceride-synthesizing enzyme: DGAT1 at the crossroad between triglyceride and cholesterol metabolism. **Biochim Biophys Acta.** **2016** Sep;1861(9 Pt A):1132-41
5. **Bauer R**, Plieschnig JA, Finkes T, Riegler B, Hermann M, Schneider WJ. The developing chicken yolk sac acquires nutrient transport competence by an orchestrated differentiation process of its endodermal epithelial cells. **J. Biol. Chem.** **2013** Jan 11; 288(2):1088-98.
6. Elkin RG, **Bauer R**, Schneider WJ; The restricted ovulator chicken strain: An oviparous vertebrate model of reproductive dysfunction caused by a gene defect affecting an oocyte-specific receptor. **Anim. Reprod. Sci.** **2012** Dec; 136(1-2):1-13.
7. Riegler B, Besenboeck C, **Bauer R**, Nimpf J, Schneider WJ; Enzymes involved in hepatic acylglycerol metabolism in the chicken. **Biochem. Biophys. Res. Commun.** **2011** Mar 11; 406(2):257-61.