

CV Bechtel-Walz, Wibke

General Information

Name: Wibke Bechtel-Walz, geb. Bechtel, Priv.-Doz. Dr. med.
Address: Center for Clinical Research
Breisacher-Str. 66
79106 Freiburg, Germany
Email: wibke.bechtel@uniklinik-freiburg.de
Position: Group leader, Renal Division

University Training and Degrees

1996 - 2004 Studies of Human Medicine (M.D.), University of Freiburg
1999 - 2000 Studies of Human Medicine, University of Paris (France)

Advanced Professional Degrees

2015 Habilitation, Internal Medicine, Albert-Ludwigs-University Freiburg,;Mentor: Prof. Dr. Gerd Walz
2014 German Board Certification for Internal Medicine
2009 Doctoral degree in medicine (Dr. med.) (summa cum laude), University of Freiburg; Advisor: Prof. Dr. Georg Bauer

Postgraduate Professional Career

2019 - present Independent Research Group Leader, Renal Division, University Medical Center Freiburg
2013 - present Margarete von Wrangell Fellow and Research group leader
2011 - present Marie Curie Research Integration Grant Fellow
2010 - present Clinical Fellow, Renal Division, University Medical Center Freiburg
2010 - 2019 Research Fellow, Renal Division, University Medical Center Freiburg
2007 - 2010 Postdoctoral Fellow, DFG Research Grant, BIDMC, Harvard Medical School, Department of Matrix Biology, Boston, MA, USA
2004 -2007 Resident, Department of Medicine, Renal Division, University Hospital Göttingen

Scientific Awards

2014: Mathilde Wagner Habilitation Award, Medical School University of Freiburg
2012: Carl Ludwig Award, German Renal Society
2011-2012: STAY!-Research Scholarship, University of Freiburg
2010-2011: Rückkehrer-Scholarship, Medical School University of Freiburg
2008 - 2009: DFG Research Fellowship, Deutsche Forschungsgesellschaft

Most significant publications

1. Wanner N, Vornweg J, Combes A, Wilson S, Plappert J, Rafflenbeul G, Puelles VG, Rahman RU, Liwinski T, Lindner S, Grahmmer F, Kretz O, Wlodek ME, Romano T, Moritz KM, Boerries M, Busch H, Bonn S, Little MH, **Bechtel-Walz W*** and Huber TB. DNA Methyltransferase 1 Controls Nephron Progenitor Cell Renewal and Differentiation. **J Am Soc Nephrol**. 2019 Jan;30(1):63-78. *shared last authorship
2. **Bechtel-Walz W**, Walz G, Neumann-Haefelin E. Long-Term Therapeutic Plasma Exchange Therapy as Effective Approach to Refractory Primary Acquired Pregnancy-Related Thrombocytopenic Purpura. **Ther Apher Dial**. 2019 Feb;23(1):99-100.
3. Wanner N, **Bechtel-Walz W**. Epigenetics of kidney disease. **Cell Tissue Res**. 2017 Jul;369(1):75-92.
4. Nkuipou-Kenfack E, Schanstra JP, Bajwa S, Pejchinovski M, Vinel C, Dray C, Valet P, Bascands JL, Vlahou A, Koeck T, Borries M, Busch H, **Bechtel-Walz W**, Huber TB, Rudolph KL, Pich A, Mischak H, Zürlig P. The use of urinary proteomics in the assessment of suitability of mouse models for ageing. **PLoS One**. 2017 Feb 15;12(2):e0166875.
5. Sheikh BN*, **Bechtel-Walz W***, Lucci J*, Karpiuk O, Hild I, Hartleben B, Vornweg J, Helmstädter M, Sahyoun AH, Bhardwaj V, Stehle T, Diehl S, Kretz O, Voss AK, Thomas T, Manke T, Huber TB and Akhtar A. MOF maintains transcriptional programs regulating cellular stress response. **Oncogene**. 2016 May;35(21):2698-710. *contributed equally
6. Tampe B, Tampe D, Zeisberg EM, Müller GA, **Bechtel-Walz W**, Koziol M, Kalluri R, Zeisberg M. Induction of Tet3-dependent Epigenetic Remodeling by Low-dose Hydralazine Attenuates Progression of Chronic Kidney Disease. **EBioMedicine**. 2015 Jan;2(1):19-36.
7. **Bechtel-Walz W**, Huber T. "Chromatin dynamics in kidney development and function." Review. **Cell Tissue Res**. 2014 Jun;356(3):601-8.
8. Sugimoto H, LeBleu VS, Bosukonda D, Keck P, Taduri G, **Bechtel W**, Okada H, Carlson W, Bey P, Rusckowski M, Tampe B, Tampe D, Kanasaki K, Zeisberg M, Kalluri R. Reply to Regarding the mechanism

- of action of a proposed peptide agonist of the bone morphogenetic protein receptor activin-like kinase 3. **Nat Med.** 2013 Jul;19(7):810-1.
9. **Bechtel W**, Helmstädter M, Balica J, Hartleben B, Schell C, Huber TB. The class III phosphatidylinositol 3-kinase PIK3C3/VPS34 regulates endocytosis and autophagosome-autolysosome formation in podocytes. **Autophagy.** 2013 Jul;9(7):1097-9.
 10. **Bechtel W**, Helmstädter M, Balica J, Hartleben B, Kiefer B, Hrnjic F, Schell C, Kretz O, Liu S, Geist F, Kerjaschki D, Walz G, Huber TB. Vps34 deficiency reveals the importance of endocytosis for podocyte homeostasis. **J Am Soc Nephrol.** 2013 Apr;24(5):727-43.
 11. Boerries M, Grahammer F, Eiselein S, Buck M, Meyer C, Goedel M, **Bechtel W**, Zschiedrich S, Pfeifer D, Laloë D, Arrondel C, Gonçalves S, Krüger M, Harvey SJ, Busch H, Dengjel J, Huber TB. Molecular fingerprinting of the podocyte reveals novel gene and protein regulatory networks. **Kidney Int.** 2013 Jun;83(6):1052-64.
 12. Sugimoto H, LeBleu VS, Bosukonda D, Keck P, Taduri G, **Bechtel W**, Okada H, Carlson W Jr, Bey P, Rusckowski M, Tampe B, Tampe D, Kanasaki K, Zeisberg M, Kalluri R. Activin-like kinase 3 is important for kidney regeneration and reversal of fibrosis. **Nat Med.** 2012 Feb 5;18(3):396-404.
 13. Baigent C, Landray MJ, Reith C, Emberson J, Wheeler DC, Tomson C, Wanner C, Krane V, Cass A, Craig J, Neal B, Jiang L, Hooi LS, Levin A, Agodoa L, Gaziano M, Kasiske B, Walker R, Massy ZA, Feldt-Rasmussen B, Krairittichai U, Ophascharoensuk V, Fellström B, Holdaas H, Tesar V, Wiecek A, Grobbee D, de Zeeuw D, Grönhagen-Riska C, Dasgupta T, Lewis D, Herrington W, Mafham M, Majoni W, Wallendszus K, Grimm R, Pedersen T, Tobert J, Armitage J, Baxter A, Bray C, Chen Y, Chen Z, Hill M, Knott C, Parish S, Simpson D, Sleight P, Young A, Collins R; SHARP Investigators. The effects of lowering LDL cholesterol with simvastatin plus ezetimibe in patients with chronic kidney disease (Study of Heart and Renal Protection): a randomised placebo-controlled trial. **Lancet.** 2011 Jun 25;377(9784):2181-92.
 14. **Bechtel W**, McGoohan S, Zeisberg EM, Müller GA, Kalbacher H, Salant DJ, Müller CA, Kalluri R, Zeisberg M. Methylation determines fibroblast activation and fibrogenesis in the kidney. **Nat Med.** 2010 May;16(5):544-50.
 15. **Bechtel W**, Bauer G. Modulation of intercellular ROS signaling of human tumor cells. **Anticancer Res.** 2009 Nov;29(11):4559-70.
 16. **Bechtel W**, Bauer G. Catalase protects tumor cells from apoptosis induction by intercellular ROS signaling. **Anticancer Res.** 2009 Nov;29(11):4541-57.
 17. **Bechtel W**, Zeisberg M. [Bone Morphogenic Protein-7 (BMP7) and the kidneys: insights into the future management of chronic kidney diseases]. **Dtsch Med Wochenschr.** 2009 Aug;134(34-35):1688-91.
 18. **Bechtel W**, Zeisberg M. Twist: a new link from hypoxia to fibrosis. **Kidney Int.** 2009 Jun;75(12):1255-6.
 19. Heigold S, Sers C, **Bechtel W**, Ivanovas B, Schäfer R, Bauer G. Nitric oxide mediates apoptosis induction selectively in transformed fibroblasts compared to nontransformed fibroblasts. **Carcinogenesis.** 2002 Jun;23(6):929-41.