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<u>Date of birth</u>	October 5, 1953; Linz/Austria
<u>Nationality</u>	Austria
<u>University Training</u>	1972 - 1978: Dr.phil.; University of Innsbruck/Austria (Zoology, Physiology, Biochemistry)
<u>Habilitation</u>	1993; Applied Physiology, University of Heidelberg
<u>Professorship</u>	2002; University of Heidelberg; apl. Professor
<u>Employments</u>	1978 - 1987: Research Associate, Department of Physiology, University of Innsbruck, Innsbruck, Austria 1987 - 1991: Senior Research Associate Scientist, Department of Cellular and Molecular Physiology, Yale University School of Medicine, New Haven, CT, USA 1991 - Senior Scientist, Medical Clinic VII, Sports Medicine, UniversityHospital Heidelberg, Germany
<u>Research Fellowships</u>	1982 – 1983: Visiting Scholar, Harbor-UCLA Medical Center, Department of Medicine, Torrance, CA, USA
<u>Funding</u>	Austrian Research Council German Research Foundation (DFG) German Center for Lung Research (DZL;TLRC-H)
<u>Teaching</u>	Medical Physiology, Exercise Physiology, Exercise Metabolism and Nutrition
<u>Editorial Board:</u>	Physiological Reports (2014-2018) (2017 - ...) High Altitude Medicine and Biology (2017 - ...) Frontiers in Physiology, Environmental, Aviation and Space Physiology

10 important publications

Mairbäurl H, Mayer K, Kim KJ, Borok Z, Bärtsch P and Crandall ED. Hypoxia decreases active Na transport across primary rat alveolar epithelial cell monolayers. *Am J Physiol Lung Cell Molec Physiol* 282: L659-L665, 2002

Karle C, Gehrig T, Wodopia R, Hörschele S, Kreye VAW, Katus HA, Bärtsch P and Mairbäurl H. Hypoxia-induced inhibition of whole cell membrane currents and ion transport of A549 cells. *Am J Physiol Lung Cell Molec Physiol* 286: L1154-L1160, 2004

Heerlein K, Schulze A, Hotz L, Bärtsch P and Mairbäurl H. Hypoxia decreases cellular ATP-demand and inhibits mitochondrial respiration of A549 cells. *Am J Respir Cell Molec Biol* 32: 44-51, 2005

Maggiorini M, HP Brunner-La Rocca, S Peth, M Fischler, T Böhm, A Bernheim, S Kiencke, KE Bloch, Ch Dehnert, R Naeije, T Lehmann, P Bärtsch, H Mairbäurl. Both Tadalafil and Dexamethasone May Reduce the Incidence of High Altitude Pulmonary Edema: a Randomized Placebo Controlled Trial. *Annals of Internal Medicine* 145:497-506, 2006

Guney S, A Schuler, A Ott, S Hörschele, E Baloglu, P Bärtsch and H Mairbäurl. Dexamethasone prevents transport inhibition by hypoxia in rat lung and alveolar epithelial cells by stimulating activity and expression of Na/K-ATPase and ENaC. *Am.J.Physiol.* 293:L1332-L1338, 2007

Berger MM, Rozendal CS, Schieber C, Dehler M, Zügel S, Bardenheuer HJ, Bärtsch P, Mairbäurl H. Effect of endothelin-1 on alveolar fluid clearance and pulmonary edema formation in the rat. *Anesth Analg* 108:225-231, 2009

Faoro V, Fink V, Taudorf S, Dehnert C, Berger MM, Swenson ER, Bailey DM, Bärtsch P, and Mairbäurl H. Effects of acute and high altitude hypoxia on leukocyte oxygen consumption and ROS production. *Amer.J.Physiol.* 300:R32-R39; 2011

Baloglu E, Reingruber T, Bärtsch P, and Mairbäurl H. β 2-adrenergics in hypoxia desensitize receptors but blunt inhibition of reabsorption in rat lung. (*Am.J.Respir.Cell.Molec.Biol.* 45:1059-1068, 2011

Mairbäurl, H. and R.Weber. Oxygen transport by haemoglobin. *Comprehensive Physiol.* 2:1-27, 2012

Altamura S, Bärtsch P, Dehnert C, Maggiorini M, Weiss G, Theurl I, Muckenthaler MU and Mairbäurl H. Increased hepcidin levels in high altitude pulmonary edema (HAPE). *J Appl Physiol* 118: 292–298, 2015