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Personal information	Citizenship. Austria Date and place of birth: August 3, 1962, Innsbruck, Austria
Education	1980-1987 Studies of Chemistry: University of Innsbruck) 1986- 1987 Diploma thesis: University of Innsbruck, Institute of Biochemistry 10/1987-12/1991 PhD thesis: University of Innsbruck, Institute of Biochemistry
Professional Experience	1993/1994 Post doctoral training, Garvan Institute of Medical Research, Neurobiology Division, Sydney Australia since 02/1995 Head of the diagnostic and scientific laboratories Department of Pediatrics, Paracelsus Medical University since 10/2009 Head of Laura Bassi Centre of Expertise THERAPEP, University Hospital Salzburg
Full Research Prof.	since 2010 Receptor Biochemistry and Tumor Metabolism
Awards	Erwin Schrödinger fellowship for research at the Garvan Institute of Medical Research, Neurobiology Division, Sydney Australia (1994) “Golden Award for Excellence in Research” of the Paracelsus Medical University Salzburg (2007, 2008) Femtech Expert of the Month (April 2010) “Manfred Zimmerman Award 2011“ of the European Neuropeptide Club “International Price for Research” (2011) City of Salzburg
Scientific Interests	<ul style="list-style-type: none">• Variability of the mitochondrial DNA in multifactorial age-related diseases• Mitochondrial Tumormetabolism• Regulation of mitochondrial Metabolism• Neuropeptides as regulators of body homeostasis• Neurogenic inflammation
Functions	<ul style="list-style-type: none">• FEBS (Member of the fellowship committee 2005-2008)• Austrian Society for Biochemistry and Molecular Biology (Board member since 2001)• European Neuropeptide Club (Treasurer since 2010)• Austrian Neuroscience Association (Controller)
Editorial Board	Neuropeptides (Review Editor) Experimental Dermatology (since October 2010)
Links	http://www.salk.at http://www.pmu.ac.at http://www.mito-center.org

Publications last 5 years

1. Schrödl F., A. Trost, C. Strohmaier, B. Bogner, C. Runge, A. Kaser-Eichberger, N. Eberhard, R.Santic, B. Kofler, H.A. Reitsamer (2013) Existence of the neuropeptide alarin in the eye of various species. *Exp Eye Res* 106:74-81
2. Bovell D.L., B.Brodowicz, O. Odusanwo, B. S. Holub, I. Rauch, B. Kofler, R.Lang (2013) Galanin is a modulator of eccrine sweat gland secretion. *Exp Dermatol* 22(2):141-3
3. Fraley G. S., E. Leathler, A. Nickols, E. Gerometta, E. Coombs, S. Colton, S. Gallemore, A.I Lindberg, B.Kofler (2013) Alarin 6-25Cys antagonizes alarin-specific effects on food intake and luteinizing hormone secretion. *Neuropeptides* 47(1):37-41
4. Mueller E. E., S. M. Brunner, J. A. Mayr, O. Stanger, W. Sperl, B. Kofler (2012) Functional Differences between Mitochondrial Haplogroup T and Haplogroup H in HEK293 Cybrid Cells. *Plos One* 7(12):e52367
5. Bluemlein K., M. Glückmann, N. Grüning, R. Feichtinger, A. Krüger, M. Wamelink, H. Lehrach, S. Tate, D. Neureiter, B. Kofler, M. Ralser (2012) Pyruvate kinase is a hub in the coordination of the cancer related metabolism proteome. *Oncotarget* 3(11):1356-69
6. Holub B.S., J.E. Kloepper, B.I. Tóth, T. Bíro, B. Kofler, R. Paus (2012) The neuropeptide galanin is a novel inhibitor of human hair growth. *Brit. J. Dermatol.* 167(1):10-6
7. Mueller E. E., J. A Mayr, F. A Zimmermann, R. G Feichtinger, O. Stanger, W. Sperl, B. Kofler (2012) Reduction of nuclear encoded enzymes of mitochondrial energy metabolism in cells devoid of mitochondrial DNA. *Biochem Biophys Res Com*, 417(3):1052-7
8. Mueller E. E., E. Schaier, S. M. Brunner, W. Eder, J. A. Mayr, S. F. Egger, C.Nischler, H. Oberkofler, H. A. Reitsamer, W. Patsch, W. Sperl, B. Kofler (2012) Mitochondrial Haplogroups and Control Region Polymorphisms in Age-Related Macular Degeneration: A Case-Control Study *Plos One*, 7(2):e30874
9. Vilches J.J., Wynick D., Kofler B., Lang R., Navarro X. (2012) Sudomotor function and sweat gland innervation in galanin knockout mice. *Neuropeptides* 46(4):151-5
10. Wintersteller S., J. Hahnhausen, B. Kofler, K. Emmanuel (2012) Mediators in polymicrobial sepsis *Front Biosci E4* 2584-2604
11. Eberhard N., C. Mayer, R. Santic, R.P. Navio, A. Wagner, H.C. Bauer, G. Sperk, U. Boehm, B. Kofler (2012) Distribution of Alarin Immunoreactivity in the Mouse Brain. *J Mol Neurosci* 46(1):18-32
12. Fraley G.S., E. Leathley, N. Van Der Kolk, E. Cheng, I. King, B. Kofler (2012) Effects of alarin on food intake, body weight and luteinizing hormone secretion *Neuropeptides* 46(2):99-104.
13. Ebner S., R. Lang, E.E. Mueller, W. Eder, M. Oeller, A. Moser, J. Koller, B. Paulweber, J. A. Mayr, W. Sperl, B. Kofler (2011) Mitochondrial Haplogroups, Control Region Polymorphisms and Malignant Melanoma: a Study in Middle European Caucasians *PloS One* 6(12):e27192
14. Holub B.S., I. Rauch, S. Radner, W. Sperl, M. Hell, B. Kofler (2011) Effects of galanin message-associated peptide and neuropeptide Y against various non-albicans *Candida* strains. *Int J Antimicrob Agents* 38(1):76-80.
15. Bluemlein K., Grüning N.M., Feichtinger R.G., Lehrach H., Kofler B., Ralser M. (2011) No evidence for a shift in pyruvate kinase PKM1 to PKM2 expression during tumorigenesis. *Oncotarget*. 2(5):393-400
16. Lang R., B. Kofler (2011) The galanin peptide family in inflammation. *Neuropeptides* 45(1):1-8.
17. Mueller E.E., W. Eder, S. Ebner, E. Schwaiger, D. Santic, T. Kreindl, O. Stanger, B. Paulweber, B. Iglseider, H Oberkofler, R. Maier, J.A. Mayr, F. Krempler, R. Weitgasser, W. Patsch, W. Sperl, B. Kofler (2011) The Mitochondrial T16189C Polymorphism is associated with coronary artery disease in Middle European Populations. *PloS One* 26;6(1):e16455.
18. Zimmermann F.A., J.A. Mayr, R. Feichtinger, D. Neureiter, R. Lechner, C. Koegler, M. Ratschek, H. Rusmir, K. Sargsyan, W. Sperl, B. Kofler (2011) Respiratory chain complex I is a mitochondrial tumor suppressor for oncogenic tumors. *Front Biosci E3*, 315-325.

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20. Feichtinger R.G., F.A. Zimmermann, J.A. Mayr, D. Neureiter, M. Ratschek, N. Jones, W. Sperl, B. Kofler (2011) Alterations of respiratory chain complexes in sporadic pheochromocytoma. *Front Biosci* E3, 194-200.
21. Feichtinger R.G., D. Neureiter, B. Royer-Pokora, J.A. Mayr, F.A. Zimmermann, N. Jones, C. Koegler, M. Ratschek, W. Sperl, B. Kofler (2011) Heterogeneity of mitochondrial energy metabolism in classical triphasic Wilms' tumor. *Front Biosci* E3, 187-193.
22. Lang R., J.W. Bauer, M. Jakab, B. Kofler (2010) Galanin Family of Peptides in Skin Funktion. *EXS*;102:51-9.
23. Lang R., J.W. Bauer, M. Jakab, B. Kofler (2010) The galanin system in cancer. *EXS* 102:223-41.
24. Czarnecka A.M., T. Krawczyk, K. Plak, A. Klemba, M. Zdrozny, R.S. Arnold, B.Kofler, P. Golik, A. Szybinski, J. Lubinski, M. Mossakowska, E. Bartnik, J.A. Petros (2010) Mitochondrial genotype and breast cancer predisposition. *Oncol Rep* 24(6):1521-34.
25. Van Der Kolk N., F.N. Madison, M. Moha, N. Eberhard, B. Kofler, G.S. Fraley (2010) Alarin stimulates food intake in male rats and LH secretion in castrated male rats. *Neuropeptides* 44(4):333-40.
26. Feichtinger R.G., F. Zimmermann, J.A. Mayr, D. Neureiter, C. Hauser-Kronberger, F.H. Schilling, N. Jones, W. Sperl, B. Kofler (2010) „Low aerobic mitochondrial energy metabolism in poorly- or undifferentiated neuroblastoma“ *BMC Cancer* 10:149. [
27. Czarnecka A.M., A. Klemba, A. Semczuk, K. Plak, B. Marzec, T. Krawczyk, B. Kofler, P. Golik, J.A. Petros, E. Bartnik (2009) „Common mitochondrial polymorphisms as risk factor for endometrial cancer“ *Int Arch Med*, 2:33
28. Mueller E.E., Eder W., Mayr J.A., Paulweber B., Sperl W., Horninger W., Klocker H., Kofler B. (2009) „Mitochondrial haplogroups and control region polymorphisms are not associated with prostate cancer in Middle European Caucasians“ *PLoS One.* ;4(7):e6370
29. Kofler B., E. E. Mueller, W. Eder, O. Stanger, R. Maier, M. Weger, A. Haas, R. Winker, O. Schmut, B. Paulweber, B. Iglseider, W. Renner, M. Wiesbauer, I. Aigner, D. Santic, F. A. Zimmermann, J. A. Mayr, W. Sperl (2009) „Mitochondrial DNA haplogroup T is associated with coronary artery disease and diabetic retinopathy“ *BMC Med Genet.* 21;10(1):35
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32. Rauch I, S. Holzmeister, B. Kofler (2009) „Anti-Candida activity of α -melanocyte stimulating hormone (α -MSH) peptides“ *J Leucocyte Biol* 85(3):371-2.
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34. Mayr J.A., D. Meierhofer, F. Zimmermann, R. Feichtinger, C. Kögler, M. Ratschek, N. Schmeller, W. Sperl, B. Kofler (2008) „Loss of complex I due to mitochondrial DNA mutations in renal oncocytoma“ *Clin Canc. Res.* 15;14(8):2270-5
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36. Schmidhuber S.M., A. Starr; D. Wynick, B. Kofler (2008) „Targeted disruption of the galanin gene attenuates inflammatory responses in murine skin“ *J Mol Neuroscience*; 34(2):149-55
37. Bovell D., R. Santic, B. Kofler, A. Hermann, D. Wilson, R. Lang (2008) „PAR-2-induced anion conductance in NCL-SG33 human sweat gland cells“ *Europ J Exp Dermatol* 17(6):505-11
38. Santic R., S. Schmidhuber, R. Lang, E. Voglas, J. W. Bauer, S. Brain, B. Kofler (2007) Alarin is a vasoactive peptide. *PNAS*;104(24):10217-22