Curriculum Vitae

General Information

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Personal Information

Date of birth	20.05.1976
Place of birth	Salzburg, Austria
Citizenship	Austria
Children	Hannah Dürnberger

Education

2009 – 2017	PhD studies in Medical Sciences, Paracelsus Medical University
2006 – 2009	PhD studies in Genetics, University of Salzburg
2004 – 2005	PhD studies in Zoology (discontinued), University of Salzburg
2002 – 2004	Master of Science (Zoology), University of Salzburg
1999 – 2002	Bachelor of Science (Physiology and Cell Biology), University of Salzburg
1997 – 1999	Economic Grammar School, Salzburg
1996 – 1997	Military Service
1987 – 1996	Natural Scientific Grammar School, Salzburg
1983 – 1987	Elementary School, Elsbethen

Memberships

AACR American Association of Cancer Research

ÖGMBT – Austrian Society of Molecular Biosciences and Biotechnology

Verein zur Förderung der pädiatrischen Forschung und Fortbildung, Salzburg

Prices

Award of Excellence 2009 (BMWF) for one of the best PhD thesis in Austria

Best Poster Award 2009 (47th annual meeting of the ÖGKJ)

Best Abstract Award 2010 (48th annual meeting of the ÖGKJ)

Golden scientific award of the Paracelsus Medical University 2014

Scientific award of the Sanofi Stiftung 2015

Golden scientific award of the Paracelsus Medical University 2015

Golden scientific award of the Paracelsus Medical University 2016

Golden scientific award of the Paracelsus Medical University 2017

Reviewer

Oncotarget

Experimental Dermatology

Journal of Neurochemistry

Human Molecular Genetics

Publication List

1. Melanoma tumors exhibit a variable but distinct metabolic signature. **Feichtinger RG**, Lang R, Geilberger R, Rathje F, Mayr JA, Sperl W, Bauer JW, Hauser-Kronberger C, Kofler B, Emberger M. Exp Dermatol. 2017 Nov 13. doi: 10.1111/exd.13465. [Epub ahead of print]
2. A ketogenic diet supplemented with medium-chain triglycerides enhances the anti-tumor and anti-angiogenic efficacy of chemotherapy on neuroblastoma xenografts in a CD1-nu mouse model. Aminzadeh-Gohari S, **Feichtinger RG**, Vidali S, Locker F, Rutherford T, O'Donnel M, Stöger-Kleiber A, Mayr JA, Sperl W, Kofler B. Oncotarget. 2017 Aug 8;8(39):64728-64744. doi: 10.18632/oncotarget.20041. eCollection 2017 Sep 12.
3. Biallelic C1QBP Mutations Cause Severe Neonatal-, Childhood-, or Later-Onset Cardiomyopathy Associated with Combined Respiratory-Chain Deficiencies. **Feichtinger RG**, Oláhová M, Kishita Y, Garone C, Kremer LS, Yagi M, Uchiumi T, Jourdain AA, Thompson K, D'Souza AR, Kopajtich R, Alston CL, Koch J, Sperl W, Mastantuono E, Strom TM, Wortmann SB, Meitinger T, Pierre G, Chinnery PF, Chrzanowska-Lightowlers ZM, Lightowlers RN, DiMauro S, Calvo SE, Mootha VK, Moggio M, Sciacco M, Comi GP, Ronchi D, Murayama K, Ohtake A, Rebelo-Guiomar P, Kohda M, Kang D, Mayr JA, Taylor RW, Okazaki Y, Minczuk M, Prokisch H. Am J Hum Genet. 2017 Oct 5;101(4):525-538. doi: 10.1016/j.ajhg.2017.08.015. Epub 2017 Sep 21.
4. The ketogenic diet is not feasible as a therapy in a CD-1 nu/nu mouse model of renal cell carcinoma with features of Stauffer's syndrome. Vidali S, Aminzadeh-Gohari S, **Feichtinger RG**, Vatrinet R, Koller A, Locker F, Rutherford T, O'Donnell M, Stöger-Kleiber A, Lambert B, Felder TK, Sperl W, Kofler B. Oncotarget. 2017 Jul 17;8(34):57201-57215. doi: 10.18632/oncotarget.19306. eCollection 2017 Aug 22.
5. Biallelic variants in WARS2 encoding mitochondrial tryptophanyl-tRNA synthase in six individuals with mitochondrial encephalopathy. Wortmann SB, Timal S, Venselaar H, Wintjes LT, Kopajtich R, **Feichtinger RG**, Onnekink C, Mühlmeister M, Brandt U, Smeitink JA, Veltman JA, Sperl W, Lefeber D, Pruijn G, Stojanovic V, Freisinger P, V Spronsen F, Derks TG, Veenstra-Knol HE, Mayr JA, Rötig A, Tarnopolsky M, Prokisch H, Rodenburg RJ. Hum Mutat. 2017 Dec;38(12):1786-1795. doi: 10.1002/humu.23340. Epub 2017 Oct 6.
6. Combined Respiratory Chain Deficiency and UQCC2 Mutations in Neonatal Encephalomyopathy: Defective Supercomplex Assembly in Complex III Deficiencies. **Feichtinger RG**, Brunner-Krainz M, Alhaddad B, Wortmann SB, Kovacs-Nagy R, Stojakovic T, Erwa W, Resch B, Windischhofer W, Verheyen S, Uhrig S, Windpassinger C, Locker F, Makowski C, Strom TM, Meitinger T, Prokisch H, Sperl W, Haack TB, Mayr JA. Oxid Med Cell Longev. 2017;2017:7202589. doi: 10.1155/2017/7202589. Epub 2017 Jul 19.

7. Biallelic Mutations in LIPT2 Cause a Mitochondrial Lipoylation Defect Associated with Severe Neonatal Encephalopathy. Habarou F, Hamel Y, Haack TB, **Feichtinger RG**, Lebigot E, Marquardt I, Busiah K, Laroche C, Madrange M, Grisel C, Pontoizeau C, Eisermann M, Boutron A, Chrétien D, Chadefaux-Vekemans B, Barouki R, Bole-Feysot C, Nitschke P, Goudin N, Boddaert N, Nemazanyy I, Delahodde A, Kölker S, Rodenburg RJ, Korenke GC, Meitinger T, Strom TM, Prokisch H, Rotig A, Ottolenghi C, Mayr JA, de Lonlay P. Am J Hum Genet. 2017 Aug 3;101(2):283-290. doi: 10.1016/j.ajhg.2017.07.001. Epub 2017 Jul 27.
8. Oxidative Phosphorylation System in Gastric Carcinomas and Gastritis. **Feichtinger RG**, Neureiter D, Skaria T, Wessler S, Cover TL, Mayr JA, Zimmermann FA, Posselt G, Sperl W, Kofler B. Oxid Med Cell Longev. 2017;2017:1320241. doi: 10.1155/2017/1320241. Epub 2017 Jun 28.
9. LYRM7 - associated complex III deficiency: A clinical, molecular genetic, MR tomographic, and biochemical study. Hempel M, Kremer LS, Tsiakas K, Alhaddad B, Haack TB, Löbel U, **Feichtinger RG**, Sperl W, Prokisch H, Mayr JA, Santer R. Mitochondrion. 2017 Nov;37:55-61. doi: 10.1016/j.mito.2017.07.001. Epub 2017 Jul 8.
10. Previously Unreported Biallelic Mutation in DNAJC19: Are Sensorineural Hearing Loss and Basal Ganglia Lesions Additional Features of Dilated Cardiomyopathy and Ataxia (DCMA) Syndrome? Ucar SK, Mayr JA, **Feichtinger RG**, Canda E, Çoker M, Wortmann SB. JIMD Rep. 2017;35:39-45. doi: 10.1007/8904_2016_23. Epub 2016 Dec 8.
11. MELAS Syndrome and Kidney Disease Without Fanconi Syndrome or Proteinuria: A Case Report. Rudnicki M, Mayr JA, Zschocke J, Antretter H, Regele H, **Feichtinger RG**, Windpessl M, Mayer G, Pölzl G. Am J Kidney Dis. 2016 Dec;68(6):949-953. doi: 10.1053/j.ajkd.2016.06.027. Epub 2016 Sep 24.
12. Effects of alpha-melanocyte-stimulating hormone on mitochondrial energy metabolism in rats of different age-groups. **Feichtinger RG**, Pétervári E, Zopf M, Vidali S, Aminzadeh-Gohari S, Mayr JA, Kofler B, Balaskó M. Neuropeptides. 2016 Aug 26. pii: S0143-4179(16)30089-0. doi: 10.1016/j.npep.2016.08.009. [Epub ahead of print]
13. Sudden Cardiac Death Due to Deficiency of the Mitochondrial Inorganic Pyrophosphatase PPA2. Kennedy H, Haack TB, Hartill V, Mataković L, Baumgartner ER, Potter H, Mackay R, Alston CL, O'Sullivan S, McFarland R, Connolly G, Gannon C, King R, Mead S, Crozier I, Chan W, Florkowski CM, Sage M, Höfken T, Alhaddad B, Kremer LS, Kopajtich R, **Feichtinger RG**, Sperl W, Rodenburg RJ, Minet JC, Dobbie A, Strom TM, Meitinger T, George PM, Johnson CA, Taylor RW, Prokisch H, Doudney K, Mayr JA. Am J Hum Genet. 2016 Sep 1;99(3):674-82. doi: 10.1016/j.ajhg.2016.06.027. Epub 2016 Aug 11.
14. Biallelic IARS Mutations Cause Growth Retardation with Prenatal Onset, Intellectual Disability, Muscular Hypotonia, and Infantile Hepatopathy. Kopajtich R, Murayama K, Janecke AR, Haack TB, Breuer M, Knisely AS, Harting I, Ohashi T, Okazaki Y, Watanabe D, Tokuzawa Y, Kotzaeridou U, Kölker S, Sauer S, Carl M, Straub S, Entenmann A, Gizewski E, **Feichtinger RG**, Mayr JA, Lackner K, Strom TM, Meitinger T, Müller T, Ohtake A, Hoffmann GF, Prokisch H, Staufner C. Am J Hum Genet. 2016 Aug 4;99(2):414-22. doi: 10.1016/j.ajhg.2016.05.027. Epub 2016 Jul 14.

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16. Riboflavin-Responsive and -Non-responsive Mutations in FAD Synthase Cause Multiple Acyl-CoA Dehydrogenase and Combined Respiratory-Chain Deficiency.Olsen RK, Koňaříková E, Giancaspero TA, Mosegaard S, Boczonadi V, Mataković L, Veauville-Merllié A, Terrile C, Schwarzmayr T, Haack TB, Auranen M, Leone P, Galluccio M, Imbard A, Gutierrez-Rios P, Palmfeldt J, Graf E, Vianey-Saban C, Oppenheim M, Schiff M, Pichard S, Rigal O, Pyle A, Chinnery PF, Konstantopoulou V, Möslinger D, **Feichtinger RG**, Talim B, Topaloglu H, Coskun T, Gucer S, Botta A, Pegoraro E, Malena A, Vergani L, Mazzà D, Zollino M, Ghezzi D, Acquaviva C, Tyni T, Boneh A, Meitinger T, Strom TM, Gregersen N, Mayr JA, Horvath R, Barile M, Prokisch H. Am J Hum Genet. 2016 Jun 2;98(6):1130-45. doi: 10.1016/j.ajhg.2016.04.006.
17. Combination of metronomic cyclophosphamide and dietary intervention inhibits neuroblastoma growth in a CD1-nu mouse model. Morscher RJ, Aminzadeh-Gohari S, Hauser-Kronberger C, **Feichtinger RG**, Sperl W, Kofler B. Oncotarget. 2016 Mar 29;7(13):17060-73. doi: 10.18632/oncotarget.7929.
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19. Energy metabolism in neuroblastoma and Wilms tumor. Aminzadeh S, Vidali S, Sperl W, Kofler B, **Feichtinger RG**. Transl Pediatr. 2015 Jan;4(1):20-32. doi: 10.3978/j.issn.2224-4336.2015.01.04. Review.
20. Disturbed mitochondrial and peroxisomal dynamics due to loss of MFF causes Leigh-like encephalopathy, optic atrophy and peripheral neuropathy. Koch J, **Feichtinger RG**, Freisinger P, Pies M, Schrödl F, Iuso A, Sperl W, Mayr JA, Prokisch H, Haack TB. J Med Genet. 2016 Apr;53(4):270-8. doi: 10.1136/jmedgenet-2015-103500. Epub 2016 Jan 18.
21. Atypical Clinical Presentations of TAZ Mutations: An Underdiagnosed Cause of Growth Retardation? Thiels C, Fleger M, Huemer M, Rodenburg RJ, Vaz FM, Houtkooper RH, Haack TB, Prokisch H, **Feichtinger RG**, Lücke T, Mayr JA, Wortmann SB.
    JIMD Rep. 2016 Jan 3. [Epub ahead of print]
22. Peculiarities and pitfalls of quantifying mitochondrial energy metabolism in the skin. **Feichtinger RG**, Kofler B. Exp Dermatol. 2016 Feb;25(2):101-2. doi: 10.1111/exd.12895. Epub 2016 Jan 12. No abstract available.
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25. Inhibition of Neuroblastoma Tumor Growth by Ketogenic Diet and/or Calorie Restriction in a CD1-Nu Mouse Model. Morscher RJ, Aminzadeh-Gohari S, **Feichtinger RG**, Mayr JA, Lang R, Neureiter D, Sperl W, Kofler B. PLoS One. 2015 Jun 8;10(6):e0129802. doi: 10.1371/journal.pone.0129802. eCollection 2015.
26. Mutations in TTC19: expanding the molecular, clinical and biochemical phenotype. Koch J, Freisinger P, **Feichtinger RG**, Zimmermann FA, Rauscher C, Wagentristl HP, Konstantopoulou V, Seidl R, Haack TB, Prokisch H, Ahting U, Sperl W, Mayr JA, Maier EM. Orphanet J Rare Dis. 2015 Apr 2;10:40. doi: 10.1186/s13023-015-0254-5.
27. The single nucleotide polymorphism Gly482Ser in the PGC-1α gene impairs exercise-induced slow-twitch muscle fibre transformation in humans. Steinbacher P, **Feichtinger RG**, Kedenko L, Kedenko I, Reinhardt S, Schönauer AL, Leitner I, Sänger AM, Stoiber W, Kofler B, Förster H, Paulweber B, Ring-Dimitriou S. PLoS One. 2015 Apr 17;10(4):e0123881. doi: 10.1371/journal.pone.0123881. eCollection 2015.
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29. Mitochondria: The ketogenic diet--A metabolism-based therapy. Vidali S, Aminzadeh S, Lambert B, Rutherford T, Sperl W, Kofler B, **Feichtinger RG**. Int J Biochem Cell Biol. 2015 Jun;63:55-9. doi: 10.1016/j.biocel.2015.01.022. Epub 2015 Feb 7. Review.
30. The spectrum of pyruvate oxidation defects in the diagnosis of mitochondrial disorders. Sperl W, Fleuren L, Freisinger P, Haack TB, Ribes A, **Feichtinger RG**, Rodenburg RJ, Zimmermann FA, Koch J, Rivera I, Prokisch H, Smeitink JA, Mayr JA. J Inherit Metab Dis. 2015 May;38(3):391-403. doi: 10.1007/s10545-014-9787-3. Epub 2014 Dec 20. Review.
31. Expanding the clinical and molecular spectrum of thiamine pyrophosphokinase deficiency: a treatable neurological disorder caused by TPK1 mutations. Banka S, de Goede C, Yue WW, Morris AA, von Bremen B, Chandler KE, **Feichtinger RG**, Hart C, Khan N, Lunzer V, Mataković L, Marquardt T, Makowski C, Prokisch H, Debus O, Nosaka K, Sonwalkar H, Zimmermann FA, Sperl W, Mayr JA. Mol Genet Metab. 2014 Dec;113(4):301-6. doi: 10.1016/j.ymgme.2014.09.010. Epub 2014 Oct 5.
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33. Sengers syndrome: six novel AGK mutations in seven new families and review of the phenotypic and mutational spectrum of 29 patients. Haghighi A, Haack TB, Atiq M, Mottaghi H, Haghighi-Kakhki H, Bashir RA, Ahting U, **Feichtinger RG**, Mayr JA, Rötig A, Lebre AS, Klopstock T, Dworschak A, Pulido N, Saeed MA, Saleh-Gohari N, Holzerova E, Chinnery PF,

Taylor RW, Prokisch H. Orphanet J Rare Dis. 2014 Aug 20;9:119. doi: 10.1186/s13023-014-0119-3. Review.

34. Mitochondrial dysfunction: a neglected component of skin diseases. **Feichtinger RG**, Sperl W, Bauer JW, Kofler B. Exp Dermatol. 2014 Sep;23(9):607-14. doi: 10.1111/exd.12484. Review.
35. Lipoic acid biosynthesis defects. Mayr JA, **Feichtinger RG**, Tort F, Ribes A, Sperl W. J Inherit Metab Dis. 2014 Jul;37(4):553-63. doi: 10.1007/s10545-014-9705-8. Epub 2014 Apr 29. Review.
36. Mutation or knock-down of 17β-hydroxysteroid dehydrogenase type 10 cause loss of MRPP1 and impaired processing of mitochondrial heavy strand transcripts. Deutschmann AJ, Amberger A, Zavadil C, Steinbeisser H, Mayr JA, **Feichtinger RG**, Oerum S, Yue WW, Zschocke J. Hum Mol Genet. 2014 Jul 1;23(13):3618-28. doi: 10.1093/hmg/ddu072. Epub 2014 Feb 18
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43. Heterogeneity of mitochondrial energy metabolism in classical triphasic Wilms' tumor. **Feichtinger RG**, Neureiter D, Royer-Pokora B, Mayr JA, Zimmermann FA, Jones N, Koegler C, Ratschek M, Sperl W, Kofler B. Front Biosci (Elite Ed). 2011 Jan 1;3:187-93.
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45. Low aerobic mitochondrial energy metabolism in poorly- or undifferentiated neuroblastoma. **Feichtinger RG**, Zimmermann F, Mayr JA, Neureiter D, Hauser-Kronberger C, Schilling FH, Jones N, Sperl W, Kofler B. BMC Cancer. 2010 Apr 19;10:149. doi: 10.1186/1471-2407-10-149.

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