

Curriculum Vitae

Personal information:

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Education:

Since Feb. 2013 **PhD Student of Molecular Biology,**
University of Salzburg, Salzburg, Austria
2006-2009 **M.Sc. in Biology, Cell and Molecular Science,**
Islamic Azad University - Science and Research Branch, Tehran, Iran
2000-2004 **B.Sc. in Biology, Cell and Molecular Science,**
Islamic Azad University - Tonekabun Branch, Tonekabun, Iran

Professional experiences:

Since Jan. 2016 Scientific employee at Clinical Research Center Salzburg, Salzburg, Austria
2010 - 2012 Commercial expert, Sarcheshmeh Copper Investment Co., Tehran, Iran
2007 - 2009 Researcher at the department of Molecular Medicine, Pasteur Institute of Iran, Tehran, Iran

Laboratory Experiences:

- Animal Handling and Xenograft
- Animal Model
- Amino Acids and Enzyme Activity Measurement
- Cell Culture and Cell Viability Assay
- Tumor Spheroid Models
- Western Blotting, Immunohistochemistry and ImmunoCytochemistry
- Primer Design and PCR (RFLP and RT-PCR)
- Gene Cloning and Sequence Analysis
- Single Strand Conformation Product

Language Skill:

Persian (native), English (fluent), German (A2) and Arabic (basic)

Award:

Paracelsus Research Award Bronze (2015)

Curriculum Vitae

Memberships:

International Society of Cancer Metabolism (ISCAM)

European Association for Cancer Research (EACR)

Österreichische Gesellschaft für Molekulare Biowissenschaften und Biotechnologie (ÖGMBT)

List of Publication:

Aminzadeh-Gohari S, Feichtinger RG, Kofler B. Energy metabolism and metabolic targeting of neuroblastoma. (A chapter in NEUROBLASTOMA: Molecular Mechanisms and Therapeutic Interventions book, in press by Elsevier)

Aminzadeh-Gohari S, Feichtinger RG, Vidali S, Locker F, Rutherford T, O'Donnell M, Stöger-Kleiber A, Mayr JA, Sperl W, Kofler B (2017) 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. *Oncotarget* 8:64728-64744 ([Priority research paper](#))

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 (2017) 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 *Oncotarget*, *Oncotarget* 8:57201-57215.

Feichtinger RG, Petervari E, Zopf M, Vidali S, **Aminzadeh-Gohari S**, Mayr JA, Kofler B, & Balasko M (2017) Effects of alpha-melanocyte-stimulating hormone on mitochondrial energy metabolism in rats of different age-groups. *Neuropeptides* 64:123-130

Morscher RJ, **Aminzadeh-Gohari S**, Hauser-Kronberger C, Feichtinger RG, Sperl W, & Kofler B. (2016) Combination of metronomic cyclophosphamide and dietary intervention inhibits neuroblastoma growth in a CD1-nu mouse model. *Oncotarget* 7(13):17060-17073.

Vidali S*, **Aminzadeh S***, Lambert B, Rutherford T, Sperl W, Kofler B, & Feichtinger RG (2015) Mitochondria: The ketogenic diet--A metabolism-based therapy. *Int J Biochem Cell Biol* 63:55-59. (*These authors contributed equally to this paper.)

Morscher RJ, **Aminzadeh-Gohari S**, Feichtinger RG, Mayr JA, Lang R, Neureiter D, Sperl W, & Kofler B (2015) Inhibition of Neuroblastoma Tumor Growth by Ketogenic Diet and/or Calorie Restriction in a CD1-Nu Mouse Model. *PLoS One* 10(6):e0129802.

Curriculum Vitae

Aminzadeh S*, Vidali S*, Sperl W, Kofler B, & Feichtinger RG (2015) Energy metabolism in neuroblastoma and Wilms tumor. *Transl Pediatr* 4(1):20-32. (*These authors contributed equally to this paper.)

Hashemipour M, Soheilipour F, Karimizare S, Khanahmad H, Karimipour M, **Aminzadeh S**, Kokabee L, Amini M, Hovsepian S, & Hadian R (2012) Thyroid peroxidase gene mutation in patients with congenital hypothyroidism in Isfahan, Iran. *Int J Endocrinol* 2012:717283.

Aminzadeh S (2010) Application of Bioleaching. *Copper*, No 2.

Karimizare S, Soheilipour F, Karimipour M, Khanahmad H, Yaghmayee P, Kokabee L, **Aminzadeh S**, M, Amini M, Hadyan R (2010) Potential Mutations of thyroid peroxidase gene in children with congenital hypothyroidism in Isfahan province. *Iranian Journal of Endocrinology & Metabolism* 11(5): 543-552.

Aminzadeh S, Khanahmad H, Karimipour M, Karimizare S, Jamshidi F (2009) Design and construction a plasmid with mitochondrial origin of replication and evaluation of its replication in human cell line. *The Horizon of Medical Sciences* 15 (3):45-56.

Oral Presentation:

S Aminzadeh-Gohari, RG Feichtinger, S Vidali, F Locker, T Rutherford, MO Donnel, A Stöger-Kleiber, JM Mayr, W Sperl, B Kofler. Medium chain triglyceride supplemented ketogenic diet enhances anti-tumor and anti-angiogenic efficacy of chemotherapy on murine neuroblastoma xenografts. *ISCAM, 2017*, Bertinoro, Italy.

Research Interests:

Tumor metabolism and metabolic targets in cancer cells
Impact of metabolic changes on the tumor microenvironment
Regulation of mitochondrial energy metabolism
Gene therapy

Contact Information References

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