CURRICULUM VITAE

Seyed Khosrow Tayebati, PharmD, PhD

Academic Titles

- Degree in Pharmacy
- PhD in Medicinal Chemistry
- Post-doc in Neuromorphology and Neuropharmacology
- Specialization in Hospital (Clinical) Pharmacy
- Master in Quality and Security Systems in Health Services

Academic Activities

- Associate professor for Human Anatomy
- Contract professor for Telepharmacy in second level University Master in e-Health
- Contract professor for Telepharmacy in first level Master in Telemedicine and Telepharmacy
- Contract professor for Telepharmacy in Master in Oil and Gas Telemedicine and Telepharmacy (MIOGATE)

Scientific Activities

a) Foreign Fellowships

- University of Houston, College of Pharmacy, Department of Pharmacology and Experimental Therapeutics, for specific studies on "Renal Dopamine System" in collaboration with group of Prof. M.F. Lokhandwala, dean of School of Pharmacy and Head of Department.
- l'INSERM, U388 "Pharmacologie moléculaire et physiopathologie rénale" of Toulouse for a bilateral project between Italian National Council (CNR) and French INSERM.

c) Editorial Activity

1) L. Brasili, M. Pigini, R. Moriconi, A. Carotti, P. Bousquet, M. Dontenwill, M. Giannella, A. Piergentili, W. Quaglia, **S.K. Tayebati**, "*Discovery of Highly Selective Imidazoline Receptor Ligands*" in Prespectives in Receptor Research, M. Pigini, D. Giardinà and A. Piergentili Eds., Pharmaco Chemistry Library No. 24, pp. 361-373, ELSEVIER SCIENCE B.V. (1996).

2) F. Amenta, **S. K. Tayebati**. *Il sistema muscarinico colinergico nel cuore e nell'apparato respiratorio* in Cardiologia e Pneumologia, Ed. F. Fedele, CEPI (Gruppo AIM) Roma, pp. 227-232 (2000).

3) **S. K. Tayebati, "**Guida alla Farmacia di Bordo", Centro Internazionale Radio Medico (C.I.R.M.), Rome, (2000).

4) F. Amenta, R. Coltraro, **S. K. Tayebati**, *Contratture e crampi muscolari e terapia con tiocolchisoside (Strialisin): nuove considerazioni sul meccanismo d'azione di un farmaco sperimentato da tempo.* In Artrite e Reumatismi. Supplemento al N. 30; Milano: GPAnet

(2002).

5) **S. K. Tayebati,** M. A. Di Tullio. *Il sistema colinergico cerebrale. Aspetti neuroanatomici e neurorecettoriali,* in: "Acetilcolina, memoria e disfunzioni cognitive", Milano : GPAnet, pp.19-29, (2005).

6) **S. K. Tayebati**, M. A. Di Tullio. *Neurobiologia della memoria*, in: "Acetilcolina, memoria e disfunzioni cognitive", Milano : GPAnet, , pp.31-39, (2005).

7) **S. K. Tayebati**, M. A. Di Tullio, F. Amenta. *Associazione del precursore colinergico colina alfoscerato con l"inibitore delle colinesterasi rivastigmina: possibile approccio per il trattamento delle disfuzioni cognitive ad esordio nell"età adulta?*, in: "Acetilcolina, memoria e disfunzioni cognitive", Milano : GPAnet, , pp.75-80 (2005).

8) F. Amenta, G. Cislaghi, L. Parnetti, **S.K**. **Tayebati**. *Dementia and cognitive disorders: New insights and approaches.* Mech. Ageing Dev. 127: 99 (2006). (Guest Editor).

9) Member of Editorial board of **Open Longevity Science**

10) Member of Editorial board of **ISRN Hypertension**

11) Member of Editorial board of **Frontier in Molecular Bioscience**

12) Member of Editorial Board of **CNS & Neurological Disorders – Drug Targets**

13) Member of Editorial Board of **SM Journal of Neurological Disorders & Stroke**

14) Member of Editorial Board of **SRL Alzheimer's & Parkinson's Diseases**

15) Member of Editorial Board of **Journal of Health Science**

16) Member of Editorial Board of **Elyns Journal of Pharmaceutical Research**

17) Member of Editorial Board of **Journal of Behavior**

18) Member of Editorial Board of **International Journal of Brain Disorders Therapy**

19) Member of Editorial Board of **Journal of Clinical Intensive Care and Medicine**

20) Member of Editorial Board of **International Journal of Rare Diseases & Orphan Drugs**

21) Member of Editorial Board of **Source Journal of Pharmaceutical Sciences (SJPS)**

22) Member of Editorial Board of **Global Drugs and Therapeutics (GDT)**

23) Member of Editorial Board of **Insights in Clinical Pharmacology**

24) Member of Editorial Board of **Cardiothoracic and Vascular Sciences (CVS)**

25) Member of Editorial Board of **Current Updates in Stroke**

26) Member of Editorial Board of **AIMS Neuroscience**

27) Member of Editorial Board of **Annals in Clinical Anatomy**

28) Member of Editorial Board of **International Journal of Rare Diseases & Disorders**

29) Member of Editorial Board of **International Journal of Depression and Anxiety**

30) Member of Editorial Board of **AIMS Neuroscience**

31) Member of Editorial Board of **Journal of Cardiology & Vascular Research**

32) Member of Editorial Board of **American Research Journal of Anatomy**

33) Member of Editorial Board of **Journal of Health Science Studies**

Member of Reviewer's Panel of over 40 International Journals

d) Principle Research fields

1) Synthesis and biological evaluation of compound with activity for neurotransmitter receptors (muscarinic acetylcholine receptors; nicotinic acetylcholine receptors, dopamine receptors, alpha adrenoceprotrs) in brain and other peripheral tissues;

2) Identification, characterization, anatomical localization, and quantification of neurotransmitter receptors (see above) in the brain of young and aged animals;

3) Neuroanatomy of ageing;

4) Neuroanatomy of brain in neurodegenerative diseases (Alzheimer's disease, Parkinson's disease, Vascular Dementia) models;

5) Cholinergic, dopamine, serotonin and norepinephrine markers in the rat brain;

6) Morphological basis of immune and nervous system interactions;

7) Morphological analysis of pharmacological treatments in different animal models of ageing and other degenerative diseases;

8) Morphological basis of vascular and neurovascular disorders;

9) Pharmacological evaluations of choline/acetylcholine enhancer molecules;

10) Morphological and pharmacological evaluations of an animal model of metabolic syndrome;

11) Chemical and pharmacological analysis of an antioxidant (thioctic acid);

12) Effect of antioxidant treatment on an animal model of peripheral neuropathy.

In general, the central idea that links different research topics regards animal models (ageing, hypertension, obesity and metabolic syndrome) and the analysis of different behaviours and effects both on the central (brain and spinal cord) and the peripheral (heart, kidney, vessels) districts using different pharmaceutical and pharmacological approaches.

e) Scientific Association Membership

- Italian Group For Neuromorphology Studies
- Italian Society of Anatomy and Histology
- American Society for Neurochemistry

List of some more recent publications

1) Roy P, Martinelli I, Moruzzi M, Maggi F, Amantini C, Micioni Di Bonaventura MV, Cifani C, Amenta F, **Tayebati SK**, Tomassoni D. Ion channels alterations in the forebrain of high-fat diet fed rats. Eur J Histochem. 2021 Nov 23;65(s1).

2) Martinelli I, Tomassoni D, Roy P, Amenta F, Ta**yebati SK.** Altered Brain Cholinergic and Synaptic Markers in Obese Zucker Rats. Cells. 2021 Sep 24;10(10):2528.

3) Martinelli I, Tomassoni D, Roy P, Di Cesare Mannelli L, Amenta F, **Tayebati SK**. Antioxidant Properties of Alpha-Lipoic (Thioctic) Acid Treatment on Renal and Heart Parenchyma in a Rat Model of Hypertension. Antioxidants (Basel). 2021 Jun 23;10(7):1006.

4) Roy P, Tomassoni D, Traini E, Martinelli I, Micioni Di Bonaventura MV, Cifani C, Amenta F, **Tayebati SK**. Natural Antioxidant Application on Fat Accumulation: Preclinical Evidence. Antioxidants (Basel). 2021 May 27;10(6):858.

5) 5: Battineni G, Sagaro GG, Chintalapudi N, Amenta F, Tomassoni D, **Tayebati SK**. Impact of Obesity-Induced Inflammation on Cardiovascular Diseases (CVD). Int J Mol Sci. 2021 Apr 30;22(9):4798.

6) Moruzzi M, Klöting N, Blüher M, Martinelli I, **Tayebati SK**, Gabrielli MG, Roy P, Micioni Di Bonaventura MV, Cifani C, Lupidi G, Amenta F, Tomassoni D. Tart Cherry Juice and Seeds Affect Pro-Inflammatory Markers in Visceral Adipose Tissue of High-Fat Diet Obese Rats. Molecules. 2021 Mar 5;26(5):1403.

7) Cocci P, Moruzzi M, Martinelli I, Maggi F, Micioni Di Bonaventura MV, Cifani C, Mosconi G, **Tayebati SK,** Damiano S, Lupidi G, Amantini C, Tomassoni D, Palermo FA. Tart cherry (Prunus cerasus L.) dietary supplement modulates visceral adipose tissue CB1 mRNA levels along with other adipogenesis-related genes in rat models of diet-induced obesity. Eur J Nutr. 2021 Aug;60(5):2695-2707.

8) Mirmoeini, S.M., Shooshtari, S.S.M., Battineni, G., Amenta, F., **Tayebati, S.K**. Telepediatric assistance in Iran: Specialist and subspecialty challenges. EAI Endorsed Transactions on Pervasive Health and Technology, 2020 6(23),e6, 1-8.

9) Nittari G, Pallotta G, Amenta F, **Tayebati SK**. Current pharmacological treatments for SARS-COV-2: A narrative review. Eur J Pharmacol. 2020 Sep 5;882:173328.

10) Tomassoni D, Martinelli I, Moruzzi M, Micioni Di Bonaventura MV, Cifani C, Amenta F, **Tayebati SK.** Obesity and Age-Related Changes in the Brain of the Zucker Lepr fa/fa Rats. Nutrients. 2020 May 9;12(5):1356.

11) Martinelli I, Micioni Di Bonaventura MV, Moruzzi M, Amantini C, Maggi F, Gabrielli MG, Fruganti A, Marchegiani A, Dini F, Marini C, Polidori C, Lupidi G, Amenta F, **Tayebati SK**, Cifani C, Tomassoni D. Effects of Prunus cerasus L. Seeds and Juice on Liver Steatosis in an Animal Model of Diet-Induced Obesity. Nutrients. 2020 May 4;12(5):1308.

12) Martinelli I, Tomassoni D, Moruzzi M, Roy P, Cifani C, Amenta F, **Tayebati SK**. Cardiovascular Changes Related to Metabolic Syndrome: Evidence in Obese Zucker Rats. Int J Mol Sci. 2020 Mar 16;21(6):2035.

13) Micioni Di Bonaventura MV, Martinelli I, Moruzzi M, Micioni Di Bonaventura E, Giusepponi ME, Polidori C, Lupidi G, **Tayebati SK**, Amenta F, Cifani C, Tomassoni D. Brain alterations in high fat diet induced obesity: effects of tart cherry seeds and juice. Nutrients. 2020 Feb 27;12(3):623.

14) Mirmoeini SM, Marashi Shooshtari SS, Battineni G, Amenta F, **Tayebati SK**. Policies and Challenges on the Distribution of Specialists and Subspecialists in Rural Areas of Iran. Medicina (Kaunas). 2019 Dec 13;55(12):783.

15) **Tayebati SK**, Cecchi A, Martinelli I, Carboni E, Amenta F.Pharmacotherapy of Down's Syndrome: When and Which? CNS Neurol Disord Drug Targets. 2019;18(10):750-757.

16) Nittari, G, Pallotta, G, Battineni, G, Ioannidis, N, **Tayebati, S.K.**, Amenta, F, Ricci, G. Comparative analysis of the medicinal compounds of the ship's "medicine chests" in European Union maritime countries. Need for improvement and harmonization. Int Marit Health. 2019; 70, 3, 2019, 143-150.

17) Battineni, G., Chintalapudi, N., Amenta, F., **Tayebati, S.K**. Report on market analysis and preventions need to provide medications for rural patients of Italy using ICT technologies. International Journal of Innovative Technology and Exploring Engineering 2019, 9(1), pp. 5286-5289

18) Battineni, G., Sagaro, G.G., Nalini, C., Amenta, F., Tayebati, S.K. Comparative machine-learning approach: A follow-up study on type 2 diabetes predictions by cross-validation methods. Machines, 2019, 7(4)

19) **Tayebati SK**. Phospholipid and Lipid Derivatives as Potential Neuroprotective Compounds. Molecules. 2018 Sep 5;23(9). pii: E2257. doi: 10.3390/molecules23092257.

20) **Tayebati SK**, Martinelli I, Moruzzi M, Amenta F, Tomassoni D. Choline and choline-containing phospholipid not modulate inflammatory processes in the rat brain. Nutrients, 2017 Sep 29;9(10). pii: E1084. doi: 10.3390/nu9101084.

21) Peretti A, Amenta F, **Tayebati SK**, Nittari G, Mahdi SS. Telerehabilitation: Review of the State-of-the-Art and Areas of Application. JMIR Rehabil Assist Technol. 2017 Jul 21;4(2):e7.

22) Martinelli I, Tomassoni D, Moruzzi M, Traini E, Amenta F, **Tayebati SK**. Obesity and Metabolic Syndrome Affects the Cholinergic Transmission and Cognitive Functions. CNS Neurol Disord Drug Targets. 2017 Apr 28. doi: 10.2174/1871527316666170428123853.

23) **Tayebati SK**, Nittari G, Mahdi SS, Ioannidis N, Sibilio F, Amenta F. Identification of World Health Organisation ship's medicine chest contents by Anatomical Therapeutic Chemical (ATC) classification codes. Int Marit Health. 2017; 68(1):39-45.

24) **Tayebati SK**, Tomassoni D, Amenta F. Neuroinflammatory markers in **spontaneously hypertensive rat brain**: an immunohistochemical study. CNS Neurol Disord Drug Targets. 2016;15(8):995-1000.

Camerino, December, 2021
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