

CURRICULUM VITAE

Daniele Suzete Persike

Position: Visiting Researcher and Professor at University of Dohuk

Nationality: Brazilian

Birthday: August 19, 1974

email: daniele_persike@protonmail.com

Professional address: University of Dohuk
Zakho Street 38, 1006 AJ Duhok
Duhok – Kurdistan Region – Iraq
P.O Box 78

Languages

Portuguese (Native Speaker), English: spoken and written fluently, Spanish: basic to mean level of understanding and speaking.

Degrees

- 2006 – 2012 **Post doc in Neuroscience.** Federal University of São Paulo (Unifesp), Dept. of Neurology and Neurosurgery, São Paulo, SP, Brazil.
- Aug/01 – Oct/05 **Ph.D. Pharmacology**, University of São Paulo (USP), Institute of Biomedical Sciences (ICB), São Paulo, SP, Brazil.
Title: “Caspase and Proteasome activities in Neural Systems”
- Mar/97 – Aug/99 **M.Sc. Biochemistry**, Federal University of Paraná, Curitiba, PR, Brazil.
Title: “Biochemical characterization of saccharolytic and ureolytic enzymatic systems of the astaxantinogenic yeast *Phaffia rhodozyma*”
- Mar/92 – Feb/97 **Pharmacy and Biochemistry degree**, Federal University of Paraná, PR, Brazil.

Teaching Experience

- Present -** **Professor.** Depto of Medicinal Chemistry, College of Pharmacy, University of Dohuk.
- 2012-2014 Professor. College of Pharmacy, Lutheran University of Brazil (ULBRA), Brazil.
- 2006 - 2012 **Postdoctoral researcher.** Dept. of Neurology and Neurosurgery, Federal University of São Paulo (Unifesp)
- 1999 - 2001 **Professor Assistant.**, Dept. Pharmacy and Biochemistry, Federal University of Paraná, Brazil.
- 2001 - 2005 **Professor Assistant.**, Dept. Pharmacy and Biochemistry, University Tuiuti of Paraná, Brazil.

Positions

Present: Visiting Researcher and Professor in the Department of Medicinal Chemistry, College of Pharmacy, University of Dohuk.

2008 - 2012- Pos-doctoral Research fellow from FAPESP, Federal University of São Paulo (Unifesp), Dept. of Neurology and Neurosurgery, São Paulo, SP, Brazil.

2006 - 2008: Postdoctoral Research fellow from CNPq, Federal University of São Paulo (Unifesp), Dept. of Neurology and Neurosurgery , São Paulo, SP, Brazil.

Research interests

Protein biochemistry (enzymology and proteomics), cell signaling and apoptosis, and biochemistry of neurological diseases, specially epilepsy.

Publications

Original articles

1. Marques-Carneiro JE, **Persike DS**, Litzahn JJ, Cassel JC, Nehlig A, Fernandes MJDS. Hippocampal Proteome of Rats Subjected to the Li-Pilocarpine Epilepsy Model and the Effect of Carisbamate Treatment. *Pharmaceuticals (Basel)*. Jul 30;10(3), 2017.
2. Barbiero JK, Santiago RM, **Persike DS**, da Silva Fernandes MJ, Tonin FS, da Cunha C, Lucio Boschen S, Lima MM, Vital MA. Neuroprotective effects of peroxisome proliferator-activated receptor alpha and gamma agonists in model of parkinsonism induced by intranigral 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine. *Behav Brain Res*. 2014 Nov 1;274:390-9.
3. Malheiros JM, **Persike DS**, Castro LU, Sanches TR, Andrade Lda C, Tannús A, Covolan L. Reduced hippocampal manganese-enhanced MRI (MEMRI) signal during pilocarpine-induced status epilepticus: edema or apoptosis? *Epilepsy Res*. 2014 May;108(4):644-52.
4. Vignoli, Thiago, Nehlig, Astrid, Massironi, Silvia Gomes, Coimbra, Rita de Cássia Sinigaglia, Mazzacoratti, Maria da Graça Naffah, Silva, Iara Ribeiro, Neto, Eduardo Ferreira de Castro, **Persike**, Daniele Suzete, Fernandes, Maria José da Silva. Consequences of pilocarpine-induced status epilepticus in immunodeficient mice. *Brain Research*, v.1450, p.125 - 137, 2012.
5. Rosim, Fernanda Elisa, **Persike**, D. S., Nehlig, Astrid, Amorin, R. P., Oliveira, Mônica Sílvia Rodrigues de, Fernandes, Maria José da Silva. Differential neuroprotection by A(1) receptor activation and A(2A) receptor inhibition following pilocarpine-induced status epilepticus.. *Epilepsy & Behavior (Print)*. , v.22, p.207 - 213, 2011.
6. Carvalho, Andreza Sossai Rodrigues, Torres, Laila Brito, **Persike**, Daniele Suzete, Fernandes, Maria José Silva, Amado, Debora, Naffah-Mazzacoratti, Maria da Graça, Cavalheiro, Esper Abrão, da Silva, Alexandre Valotta. Neuroprotective effect of pyruvate and oxaloacetate during pilocarpine induced status epilepticus in rats. *Neurochemistry International*. , v.58, p.385 - 390, 2011.
7. Silva, Iara Ribeiro, Nehlig, Astrid, Rosim, Fernanda Elisa, Vignoli, Thiago, **Persike**, Daniele Suzete, Ferrandon, Arielle, Sinigaglia-Coimbra, Rita, Fernandes, Maria José da Silva. The A1 receptor agonist R-Pia reduces the imbalance between cerebral glucose metabolism and blood flow during status epilepticus: Could this mechanism be involved with neuroprotection?. *Neurobiology of Disease*. , v.41, p.169 - 176, 2011.
8. de Oliveira, Mônica Sílvia Rodrigues, da Silva Fernandes, Maria José, Scorza, Fulvio Alexandre, **Persike**, Daniele Suzete, Scorza, Carla Alessandra, da Ponte, Jaqueline Botelho, de Albuquerque, Marly, Cavalheiro, Esper Abrão, Arida, Ricardo Mario. Acute and chronic exercise modulates the expression of MOR opioid receptors in the hippocampal formation of rats. *Brain Research Bulletin*. , v.83, p.278 - 283, 2010.
9. Dona, F, Ulrich, H, **Persike**, DS, Conceição, I, Blini, J, Cavalheiro, E, Fernandes, M. Alteration of purinergic P2X4 and P2X7 receptor expression in rats with temporal-lobe epilepsy induced by pilocarpine. *Epilepsy Research*. , v.83, p.157 - 167, 2009.

10. Silva, I. R., Nehlig, A., Rosim, F. E., Vignoli, T., **Persike**, D. S., Bliini, J. P., Cavalheiro, E. A., Sinigaglia-Coimbra, R., Fernandes, M. J. S. Epilepsia e Neuroproteção: O Papel do Agonista Adenosinérgico A1 (R-Pia) na modulação da crise induzida por pilocarpina.. *Journal of Epilepsy and Clinical Neurophysiology (Impresso)*, v.14, p.106 - 110, 2008.
11. **Persike**, D. S., Cunha, R. L. O. R., Juliano, L., Silva, I. R., Dona, F., Rosim, F. E., Vignoli, T., Fernandes, M. J. S. Protective effect of the organotelluroxetane RF-07 in the pilocarpine-induced status epilepticus.. *Neurobiology of Disease.* , v.31, p.120 - 126, 2008.
12. **Persike**, D. S., Santos, M. H. R., Mendes, S. V., Chiarello, M. D., Fontana, J. D. Invertase and urease activities in the carotenogenic yeast *Xanthophyllomyces dendrorhous* (formely *Phaffia rhodozyma*). *Bioresource Technology.* , v.82, p.79 - 85, 2002.
13. Fontana, J. D., Mendes, S. V., **Persike**, D. S., Peracetta, L. F., Passos, M. Carotenóides - Cores Atraentes e Ação Biológica -. *Biotecnologia Ciência & Desenvolvimento.* , v.1, p.40 - 45, 2000.
14. Maraschim, M., Carobez, S. G., **Persike**, D. S., Peixoto, M. L., Ferreira, A. G., Ferracin, R., Verpoort, R., Fontana, J. D. Cell Wall polysaccharides from *Mandevilla velutina* (Apocynaceae) cultured cells: extration and chemical struture. *Carbohydrate Polymers.* , v.12, p.1 - 7, 1999.

Chapters of Books Published

1. FERNANDES, M. J. S., ROSIM, F. E., PERSIKE, D. S. Modelos Animais para o Estudo de Drogas Antiepilépticas e Uso da Imuno-histoquímica como Técnica Complementar In: *Protocolos em psicofarmacologia comportamental: um guia para a pesquisa de drogas com ação sobre o SNC, com ênfase nas plantas medicinais.* ed.São Paulo : Editora Fap-Unifesp, 2011, p. 231-266.
2. FERNANDES, M. J. S., CAVALHEIRO, E. A., Leite, JP, PERSIKE, D. S. Temporal Lobe Epilepsy: Cell Death and Molecular Targets In: *Underlying Mechanisms of Epilepsy* ed.Rijeka : InTech - Open Access Publisher, 2011, p. 117-134.
3. ROSIM, F. E., SILVA, I. R., PERSIKE, D. S., VIGNOLI, T., FERNANDES, M. J. S. ADENOSINA E NEUROPROTEÇÃO EM EPILEPSIA. In: *Cinapce.* ed.São Paulo : Pleiades, 2010, v.2, p. 193-197.
4. FERNANDES, M. J. S., ROSIM, F. E., SILVA, I. R., PERSIKE, D. S., CAVALHEIRO, E. A. Papel Neuroprotetor da Adenosina na Epilepsia In: *Tópicos de Actualización en Neurobiología. Excitotoxicidad y Cognición en Enfermedades Neurodegenerativas: Aspectos Básicos, Clínicos y Sociales.*1 ed.Guadalajara : La Noche, 2010, v.1, p. 307-323.
5. PERSIKE, D. S., ROSIM, F. E., FERNANDES, M. J. S. Pathophysiological aspects of temporal lobe epilepsy In: *Epilepsy - A Review.*1 ed.Patna : Bihar Chapter, 2010, v.1, p. 75-99.
6. FERNANDES, M. J. S., ROSIM, F. E., PERSIKE, D. S., DONA, F. RECEPTORES PURINÉRGICOS E EPILEPSIA In: *Epilepsia - Cinapce* ed.São Paulo : Pleiades, 2010, v.2, p. 199-207.

Recent Communications to national and international meetings

Chairman at “Digestive Disease Day” organized by the College of Pharmacy under the sponsorship of AstraZeneca, Rixos Hotel, Dohuk, Kurdistan Region, Iraq, 2018.

Persike, D.S., Lima, M.L., Araújo, M.G.L., Sierra, L.F., Cavalheiro, E.A., Schenkman, S.,

Fernandes, M.J.S. Proteomic profiling of the hippocampus of rats subjected to the pilocarpine model to epilepsy. In: **34 Congresso Brasileiro de Epilepsia**, Ribeirão Preto, Brazil, 2012.

Persike, D.S., Lima, M.L., Amorim, R.P. Yacubian, E.M., Centeno, R. Canzian, M., Fernandes, M.J.S. Differential expression of proteins in the hippocampus of patients with temporal lobe epilepsy. In: **8th IBRO World Congress of Neuroscience**, Florence, Italy, 2011.

Oral Presentation: Proteomic Analysis of Hippocampi obtained from Patients with Temporal Lobe Epilepsy. **I User's Meeting in the Laboratory of Mass Spectrometry of National Biosciences Laboratory**, Campinas, Brazil, 2011.

Persike, D.S., Lima, M.L., Amorim, R.P. Yacubian, E.M., Centeno, R. Canzian, M., Fernandes, M.J.S. Proteomic analysis of hippocampi from patients with temporal lobe epilepsy. In: **4th Eilat International Educational Course: Pharmacological Treatment of Epilepsy**, Eilat, Israel, 2011.

Oral Presentation: Application of proteomics technique in the search for biomarkers in Temporal Lobe Epilepsy. **V WorkshopCInAPCe**, São Paulo, Brazil, 2011.

Persike, D.S., Silva, I.R., Rosim, F.E., Fernandes, M.J.S. Inhibition of caspase activity as part of neuroprotective effect of A1 adenosinergic agonist R-PIA in the pilocarpine model of epilepsy In: Signaling2010 Signaling in cell death, cancer and the immune system, 2010, Rio das Pedras. **einstein**. São Paulo: 2010. v.8. p.75S - 75S;

Persike, D.S., Cunha, R.L.O.R., Juliano, L., Fernandes, M.J.S. The organotellurium(IV) RF-07 inhibit caspases in thr rat hippocampus In: **3rd Eilat International Educational Course: The pharmacological treatment of epilepsy**, Eilat, Israel, 2009.

Persike, D.S., Cunha, R.L.O.R., Juliano, L., Silva, I.R., Rosim, F.E., Vignoli, T., Dona, F., Cavalheiro, E.A., Fernandes, M.J.S. The organotellurane RF-07 neuroprotective effect in the lesional temporal lobe epilepsy induced by pilocarpine. In: XXXII Congresso Brasileiro de Epilepsia, Campinas, São Paulo. **Journal of Epilepsy and Clinical Neurophysiology**. Porto Alegre: Supernova, Brazil, 2008;

Persike, D.S., Cipolla-Neto, J., Belizário, J.E. Atividade de Caspases e do Proteassoma no Sistema Nervoso Central In: Reunião Anual da Sociedade Brasileira de Bioquímica e Biologia Molecular-SBBq, Caxambú. **Anais da Reunião Anual da Sociedade Brasileira de Bioquímica e Biologia Molecular**, Minas Gerais, Brazil, 2004;

Persike, D.S., Cipolla-Neto, J., Belizário, J.E. Papel de Enzimas Caspases e do Proteassoma na Sinalização Neural In: XVIII Reunião Anual da federação de Sociedades de Biologia Experimental, 2003, Pinhais –Paraná, Brazil, 2003.

Honors and awards

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| 2009 - 2012 | Postdoctoral Research Fellowship.
Fundação de Amparo à Pesquisa no Estado de São Paulo (FAPESP), Brazil. |
| 2008 | Honorable Mention. Best work. Neuroprotective effect of adenosinergic A1 agonist (R-Pia), XXIII Annual Meeting of Fesbe (Federation of Brazilian Societies for Experimental Biology). |
| 2008 | Honorable Mention. Best poster presentation. Adenosinergic A1 agonist (R-Pia): modulation of caspases, XXIII Annual Meeting of Fesbe (Federation of Brazilian Societies for Experimental Biology). |
| 2008 | Award Aristides Leão. Best work. Neuroprotection and Epilepsy: The role of adenosinergic A1 agonist (R-Pia) in the modulation of the crisis induced by pilocarpine, Liga Brasileira de Epilepsia. |
| 2006 - 2008 | Postdoctoral Research Fellowship. |

Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq), São Paulo, SP, Brazil.

2003 - 2005

PhD Research Fellowship, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior (CAPES), São Paulo, SP, Brazil.

2004

Institutional Program of Education Upgrade (PRAE/CAPES) fellowship, São Paulo, SP, Brazil.

1997 - 1999

Master's Fellowship, Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq), Curitiba, PR, Brazil.