

Curriculum Vitae Dr. Arquimedes Cheffer

LinkedIn: <https://www.linkedin.com/in/drarquimedescheffer/>

Google Scholar: <https://scholar.google.com/citations?user=HILT6GoAAAAJ&hl=en>

Personal Data

Title: Dr.
First name: Arquimedes
Name: Cheffer
Current position: Postdoctoral researcher
Identifiers/ORCID 0000-0002-5973-6333

Qualifications and Career

Degree programme 2006-2008, Molecular Biology and Biochemistry MSc., Institute of Chemistry, University of Sao Paulo
2002-2005, Pharmacy BSc., Federal University of Juiz de Fora
Doctorate 2008-2013, Molecular Biology and Biochemistry, Institute of Chemistry, University of Sao Paulo
Further stages 2021-present, Institute of Anatomy and Cell Biology, University of Freiburg
2019-2021, Institute of Reconstructive Neurobiology – University of Bonn
2017-2018, Max Planck Institute for Biophysical Chemistry
2013-2018, Institute of Chemistry, University of Sao Paulo

Engagement in the Research System

In addition to my research in Neuroscience, I have also given Molecular Biology, Biochemistry and Neuroanatomy courses to undergraduate students, as well as trained many master and PhD students.

Scientific Results

Cheffer A, Flitsch LJ, Krutenko T, Röderer P, Sokhranyaeva L, Iefremova V, Hajo M, Peitz M, Schwarz MK, Brüstle O (2020) Human stem cell-based models for studying autism spectrum disorder-related neuronal dysfunction. *Mol Aut* 11(1):99. doi: 10.1186/s13229-020-00383-w

Rajpurohit CS, Kumar V, **Cheffer A**, Oliveira D, Ulrich H, Okamoto OK, Zatz M, Ansari UA, Khanna VK, Pant AB (2020) Mechanistic Insights of Astrocyte-Mediated Hyperactive Autophagy and Loss of Motor Neuron Function in SOD1L39R Linked Amyotrophic Lateral Sclerosis. *Mol Neurobiol* 57:4117-4133. doi: 10.1007/s12035-020-02006-0

Viviani LG, Piccirillo E, **Cheffer A**, de Rezende L, Ulrich H, Carmona-Ribeiro AM, do Amaral AT (2018) Be aware of aggregators in the search for potential human *ecto*-5'-Nucleotidase inhibitors. *Molecules* 23:1876. doi: 10.3390/molecules2308187

Gonçalves MCB, Corrêa-Velloso J, Naaldijk Y, **Cheffer A**, Ulrich H (2018) Purinergic modulation of pathways associated to suicidal behavior. *Mol Psychiatry* 25:514-516. doi: 10.1038/s41380-018-0088-3

Cheffer A, Castillo ARG, Corrêa-Velloso ;, Gonçalves MCB, Naaldijk Y, Nascimento IC, Burnstock G, Ulrich H (2018) Purinergic system in psychiatric diseases. *Mol Psychiatry* 23:94-106. doi: 10.1038/mp.2017.188

Pillat MM, **Cheffer A**, Andrade CM, Morsch VM, Schetinger MRC, Ulrich H. (2015) Bradykinin-induced inhibition of proliferation rate during neurosphere differentiation: consequence or cause of neuronal enrichment? *Cytometry Part A*, v. 87, p. 929-935. doi: 10.1002/cyto.a.22705.

Cheffer A, Mustafa EV, Amaral AT -do, Ulrich H. (2012) Lipophilicity as a determinant of binding of procaine analogs to rat $\alpha_3\beta_4$ nicotinic acetylcholine receptor. *J Neurosci Res* v. 90, p. 1607-1614. doi: 10.1002/jnr.23047

Cheffer A, Ulrich H. (2011) Mechanism of the rat alpha3beta 4 nicotinic acetylcholine receptor by the Alzheimer therapeutic tacrine. *Biochemistry*, v. 50, p. 1763-1770. doi: 10.1021/bi101789y