



CURRICULUM VITAE

(Henning Ulrich)

DOCENTE- INVESTIGADOR(A) DE LA UNIVERSIDADE DE SÃO PAULO

RESUMEN EJECUTIVO, 2022

EDUCACION Y GRADOS ACADÉMICOS

Professional education and training:

Time	Education	Institution
1986-1991	Studies of Biology - Diploma	Universities of Hamburg & Kiel, Germany
1992-1995	Advances studies in Molecular Biology- Diploma	University of Hamburg
1992-1995	Ph.D. in Biological Sciences	University of Hamburg
2002 -2007	Habilitation (Professor Livre-Docente) D.	University of São Paulo, Brazil

EXPERIENCIA PROFESIONAL

Time	Position	Institution
1995 -1996	Postdoctoral fellow	Center for Molecular Neurobiology, University of Hamburg
1996 - 1999	Postdoctoral American Heart Association	Department of Molecular Biology & Genetics, Cornell University, Ithaca, NY
1999 - 2001	Postdoctoral fellow DAAD-FAPESP fellow	Institute of Chemistry, University of São Paulo Brazil
2001 - 2007	Assistant Professor	Biochemistry Dept., Institute of Chemistry, Univ.of São Paulo
2007-2016	Associate Prof.	Biochemistry Dept., Institute of Chemistry, University of São Paulo

Since 2016	Full Professor	Biochemistry Dept., Institute of Chemistry, University of São Paulo
2022-2023	Fulbright Global Health Chair	Rutgers University

THESIS, DISERTACIONES Y CONFERENCIAS

Theses and Dissertations

Master theses supervised and defended: 7

Master theses being developed: 3

Doctoral theses supervised and defended: 24

Doctoral theses being developed: 8

Conferences and invited seminars

Conferences and oral presentations at Congresses and symposia (Brazil and abroad)

89. Ulrich H. Purinrezeptoren als Zielmoleküle für pharmakologische Interventionen in neurodegenerativen Krankheiten. Institut für Klinische Immunologie, University of Leipzig, Germany, March 2020.
90. Ulrich H. Lectures on "Stem Cells" and "Purinergic Signaling" at the Center CEBIM, Department of Basic Sciences, Universidad de La Frontera, Temuco, Chile, January 2022.
91. Ulrich H. Tissue Cytometry New Concepts to Look at Cells and Cellular Interaction in Tissue Sections. Workshop on Tissue Cytometry at the Universidad de la Frontera, Temuco, Chile, March 2022.
92. Ulrich H "Purinergic Signaling in Neurogenesis and Neurodegeneration". Department of Pharmacology, Rutgers University, Newark, NJ, USA, June 2022
93. Ulrich H "Blockage of SARS-CoV-2 Replication in Lung and Kidney Epithelial Cells by Hypertonic Salt Solutions" Department of Immunology and Parasitology, Federal University of Santa Maria, Santa Maria, RS, Brazil, July 2022.

MEMBRESÍA A SOCIEDADES CIENTÍFICAS

Leadership in scientific societies: -Founding member, Brazilian Society for Purinergic Signalling (Brazilian Purine Club)..- Councilor, Education and Innovation Committee of the International Society for Advancement of Cytometry (ISAC): Introducing state-of-the-art cytometry techniques in developing countries.- Organizer and chairman of Brazilian and International Congresses of the Brazilian Purine Club: Purinergic signalling and therapeutic applications (2010 -2019: I. - IX. Annual Congress;-Scientific Committee of ISAC congresses 2016-2019. - Organization and scientific committee of Cyto 2023 (annual congress of the International Society for Advancement of Cytometry) in Montreal, Canada.

Professional memberships (scientific societies): SBBq (Brazilian Society for Bioch.and Mol. Biology); Brazilian Purine Club; FESBE (Federation of Brazilian Exp. Biol. Societies); ISAC (Int.Society for Adv. of Cytometry); German Society of Immunology

PUBLICACIONES

Peer- reviewed publications (total of 248). H-factor: 49; 9113 citations, date of 15/10/2022

1. Hiarelli RA, Marques BL, Carvalho GA, Marques BL, Carvalho GA, Souza RTV, Santana PHG., Santiago HC, Pinto MCX, Birbrair A, Parreira, Ulrich H, Resende RR (2022). Drugs and Endogenous Factors as Protagonists in Neurogenic Stimulation. Stem Cell Rev Rep in press. **IF 5.3**
2. Pietrobon A.J, Andrejew R, Alberca RW, Oliveira LM, Scholl JN, Teixeira FME, Brito CA, Glaser T, Kazmierski J, Goffinet C, Turdo AC, Yendo T, Aoki V, Figueiro F, Battastini AM, Ulrich H, Benard G, Duarte AJS, Sato MN (2022) Dysfunctional purinergic signaling correlates with disease severity in COVID-19 patients. Frontiers in Immunology, 2022 in press. **IF 8.7**

3. Resende, RR, De Carvalho Ribeiro P, Oliveira LP, Filho DM; Parreira C; Viera MS, Marques BL, Da Madeira Freitas EM, Silva W, WN, Santiago HC, Birbrair A, Ulrich H, DA Silva, VJS (2022). Biomarkers In Hypertension and Hypertension-Related Disorders. *Current Medicinal Chemistry*, 2022 in press. **IF 4.1**
4. Souza A, de Freitas Amorim V, Guardia G, dos Santos F, Ferreira dos Santos F; de Souza R, de Araujo Juvenal G, Huang Y, Ge P, Jiang Y, Li C ; Paudel P, Ulrich H, Galante P, Guzzo, C (2022) Molecular dynamics analysis of fast-spreading severe acute respiratory syndrome coronavirus 2 variants and their effects in the interaction with human angiotensin-converting enzyme 2. *ACS Omega* in press. **IF 3.5**
5. Corrêa-Velloso JC, Linardi JC, Glaser T, Velloso FJ, Rivas MP, Leite REP, Grinberg LT, Ulrich H, Akins MR, Chiavegatto S, Haddad LA (2022). Fmr1 exon 14 skipping in late embryonic development of the rat forebrain. *BMC NEUROSCIENCE*, 2022 in press. **IF 3.2**
6. Das Neves Oliveira M, Pillat MM, Baranova J, Andrejew R; Santos BL, Costa SL, Lah TT, Ulrich H (2022) Glioblastoma Cell Invasiveness and Epithelial-to-Mesenchymal Transitioning Are Modulated By Kinin Receptors. *Advances in Cancer Biology – Metastasis* 4, 100045.
7. Teles e Silva AL, Glaser T, Griesi-Oliveira K, Corrêa-Velloso J, Wang J, Yu Ting J, Da Silva Campos G, Ulrich H, Balan A, Zarrei M, Higginbotham EJ, Scherer SW, Passos-Bueno MR, Sertie AL (2022) Rare CACNA1H and RELN variants interact through mTORC1 pathway in oligogenic autism spectrum disorder. *Translational Psychiatry* 12: 234. **IF 6.2**
8. Lavarse AC, Frachini ECG, Silva JB, Pereira RF, Ulrich H, Petri DFS (2022). Amino acid decorated xanthan gum coatings: Molecular arrangement and cell adhesion. *Carbohydrate Polymer Technologies and Applications* 4: 100227, 2022. **IF 1.7**
9. Da Silva RLCG, Bernardinelli OD, Franchini ECG, Ulrich H, Sabadini E, Petri DFS (2022) Vanillin crosslinked chitosan films: The states of water and the effect of carriers on curcumin uptake. *Carbohydrate Polymers* 292: 119725. **IF 9.3**
10. Duarte-Silva E, Ulrich H, Oliveira-Giacomelli A, Hartung H, Meuth, SG, Peixoto CA (2022) The adenosinergic signaling in the pathogenesis and treatment of multiple sclerosis. *Frontiers in Immunology* 13:946698. **IF 8.7**
11. Passarella D, Ronci M, Liberto V, Zuccarini M, Mudo G, Porcile C, Frinchi M, Iorio P, Ulrich H, Russo C (2022). Bidirectional Control between Cholesterol Shuttle and Purine Signal at the Central Nervous System. *Int J Mol Sci* 23:8683. **IF 5.5**
12. Arnaud-Sampaio VF, Bento CA., Glaser T, Adinolfi E, Ulrich H, Lameu C . P2X7 receptor isoform B is a key drug resistance mediator for neuroblastoma. *Frontiers in Oncology* 12: 966404. **IF 6.2**
13. Santos AK, Scalzo S; De Souza, RTV, Santana PHG, Marques BL, Oliveira LF, Filho M, Kihara AH, Da Costa Santiago H, Parreira RC, Birbrair A, Ulrich H, Resende RR (2022) Strategic use of organoids and organs-on-chip as biomimetic tools. *SEMINARS IN CELL & DEVELOPMENTAL BIOLOGY*, v. Sep 30, p. S1084-9521(22)0. **IF 7.7**
14. De Oliveria LF, Filho DM, Marques BM, Maciel GF, Parreira, Do Carmo Neto, Da Silva PEF, Guerra RO, Da Silva MV, Santiago, Birbrair A, Kihara AH, Dias da Silva VJ, Glaser T, Resende RR, Ulrich H (2022). Organoids as a novel tool in modelling infectious diseases. *SEMINARS IN CELL & DEVELOPMENTAL BIOLOGY*, Sep 28, S1084-9521(22)0, 202 **IF 7.7**
15. de Souza AS, de Freitas Amorim VM, Guardia GDA, Dos Santos FF, Ulrich H, Galante PAF, de Souza RF, Guzzo CR (2022). Severe Acute Respiratory Syndrome Coronavirus 2 Variants of Concern: A Perspective for Emerging More Transmissible and Vaccine-Resistant Strains. *Viruses*. 14(4):827. **IF 5.0.**
16. Villegas C, Perez R, Lintzmaier Petiz L, Glaser T, *Ulrich H, *Paz C (2022). Ginkgolides and Huperzine A for complementary treatment of Alzheimer's disease. *IUBMB Life*, doi: 10.1002/iub.2613. **IF 3.8.** *Shared correspondent authorship. **IF3.8**
17. Glaser T, Bezerra Silva J , Juvenal GA , Maiolini PN , Turrini N , Lintzmaier Petiz L , Marques LB,Ribeiro DE , Qing Ye Q, Tang Y, Ulrich H. Various facets of excitotoxicity. *Exploration of neuroprotective therapy* 2022;2:36-64
18. do Nascimento RP, Dos Santos BL, Amparo JAO, Soares JRP, da Silva KC, Santana MR, Almeida ÁMAN, da Silva VDA, Costa MFD, *Ulrich H, Moura-Neto V, Lopes GPF, *Costa SL (2022) Neuroimmunomodulatory Properties of Flavonoids and Derivates: A Potential Action as Adjuvants for the Treatment of Glioblastoma. *Pharmaceutics*. 2022 Jan 4;14(1):116. **IF 4.6.** *Shared correspondent authorship.
19. Ulrich H (2022) Editor Notes: Neurogenesis and Neurodegeneration: Basic Research and Clinical applications. *Stem Cell Rev Rep*. 2022 Jan 11. doi: 10.1007/s12015-022-10329-9. **IF 5.3.**
20. Ferreira AFF, Singulani MP, Ulrich H, Feng ZP, Sun HS, Britto LR (2022). Inhibition of TRPM2 by AG490 Is Neuroprotective in a Parkinson's Disease Animal Model..*Mol Neurobiol*. 2022 Jan 8. doi: 10.1007/s12035-022-02723-8. **IF 5.5.**
21. Campos HC, Ribeiro DE, Hashiguchi D, Hukuda DY, Gimenes C, Romariz SAA, Ye Q, Tang Y, Ulrich H, Longo BM (2022) Distinct Effects of the Hippocampal Transplantation of Neural and Mesenchymal Stem Cells in a Transgenic Model of Alzheimer's Disease. *Stem Cell Rev Rep*. 18(2):781-791 **IF 5.3.**

22. Rodríguez-Massó SR, Erickson MA, Banks WA, [Ulrich H](#), Martins AH (2021). The Bradykinin B2 Receptor Agonist (NG291) Causes Rapid Onset of Transient Blood-Brain Barrier Disruption Without Evidence of Early Brain Injury. *Front Neurosci.* 15:791709. **IF 3.5.**
23. Palma TV, Bianchin NB, de Oliveira JS, Assmann CE, das Neves Oliveira M, Schetinger MRC, Morsch VM, [Ulrich H](#), Pillat MM, de Andrade CM (2022). Berberine increases the expression of cytokines and proteins linked to apoptosis in human melanoma cells. *Mol Biol Rep.* 49(3):2037-2046. **IF 2.3**
24. Corrêa-Velloso JC, Bartlett PJ, Brumer R, Gaspers LD, [Ulrich H](#), Thomas AP (2021). Receptor-specific Ca²⁺ oscillation patterns mediated by differential regulation of P2Y purinergic receptors in rat hepatocytes. *iScience.* 24(10):103139.
25. Ciruela F, Fuxe K, Illes P, [Ulrich H](#), Caciagli F(2021). Editorial: "Purinergic Signaling 2020: The State-of-The-Art Commented by the Members of the Italian Purine Club". *Front Pharmacol.* 12:768923. **IF 4.4**
26. Semeano, AT, Araujo FT, Corrêa-Velloso JC, Santos AP, Oliveira-Giacomelli A, Cardoso RR, Pessoa MA, Rocha EL, Ribeiro G, Ferrari MFR, Veiga Pereira L, Petri DFS, [Ulrich H](#) (2022) Effects of magnetite nanoparticles and static magnetic field on neural differentiation of pluripotent stem cells. *Stem Cell Reviews and Reports*, 18(4):1337-1354. **IF 5.3**
27. Santos AK, Gomes KN, Parreira RC, Scalzo S, Pinto MCX, Santiago HC, Birbrair A, Sack U, [Ulrich H](#)*, Resende RR* (2021) Mouse neural stem cell differentiation and human adipose mesenchymal stem cell transdifferentiation into neuron- and oligodendrocyte-like cells with myelination potential. *Stem Cell Reviews & Reports* doi: 10.1007/s12015-021-10218-7 **IF 5.3.** *Shared correspondent authorship.

Books (total of 4)

1. Resende R R, [Ulrich H](#) (2013) *Trends in Stem Cell Proliferation and Cancer Research*. 1. ed. Amsterdam; Heidelberg; New York: Springer Business Media, Dordrecht Heidelberg London New York, v. 1. 708p, 978-94-007-6210-7.
2. [Ulrich H](#), Negraes PD (2016) *Working with stem cells: A quick and approach of methodologies and applications*. Springer International Publishing AG, Cham, ISBN 978-3-319-30580-6.
3. [Ulrich H](#) (2010) *Stem cells: Perspectives of Stem Cells - From tools for studying mechanisms of neuronal differentiation towards therapy*. Springer Science + Business Media, Dordrecht Heidelberg London New York, ISBN 9789048133741.
4. Resende R R, [Ulrich H](#) (2013) *Trends in Stem Cell Proliferation and Cancer Research*. 1. ed. Amsterdam; Heidelberg; New York: Springer Business Media, Dordrecht Heidelberg London New York, v. 1. 708p, 978-94-007-6210-7.
5. [Ulrich H](#), Negraes PD (2016) *Working with stem cells: A quick and approach of methodologies and applications*. Springer International Publishing AG, Cham, ISBN 978-3-319-30580-6.

Book articles (total of 30)



(Brazil)