Juliana Maia Teixeira, M.Sc., Ph.D.

jmt.maiateixeira@gmail.com • (470) 439-0610 • Hoschton, GA, USA

LinkedIn: juliana-maia-teixeira-98740152 • Portfolio: julianamaiateixeira.contently.com

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Summary

- Highly motivated freelance science & medical writer and scientist with over 12 years of experience in cellular/molecular neurobiology, leading and managing pre-clinical research projects aimed at identifying novel pharmacological therapeutic targets for inflammatory pain.
- Extensive experience writing and editing peer-reviewed scientific publications and reports, conference abstracts and posters, standard operating procedures (SOP), medical literature research and statistical data analysis.
- Hands-on solid ability, strategic thinker, problem-solving skills, work results-oriented and ethic, detail-oriented, organized, and not intimidated by learning new conceptions and abilities. Outstanding soft skills allowing collaborations across multiple research teams to long-lasting research projects, resulting in 21 peer-reviewed scientific publications, including 10 first-author papers.

Professional Experience

Freelance Science & Medical writer **2023 - present**

Kolabtree

- Scientific & Medical writing (manuscripts, literature reviews, research projects and grant proposals, conference abstracts, conference posters, and slide decks).
- First-class editing and proofreading of medical, academic, and scientific documents.
- Literature search and reference organization.

Personal Sabbatical **2019 - 2022**

Family relocation from SP, Brazil to GA, USA (2019); maternity leave and raising my young kids during the pandemic (2020-2021); applying for my EAD card (work permit, 9 months of process) and career transitioning (2022).

- Wrote, edited, and published 2 peer-reviewed papers as the first-author;
- Achieved certification in "Design and Interpretation of Clinical Trial", "Medical Writing for Healthcare Professionals", and “Good Clinical Practice for Clinical Research Professionals”.

Postdoctoral Research Associate **03/2018 - 02/2019**

Laboratory of Immunology and Molecular Biology, São Leopoldo Mandic Institute and Research Center, Campinas, SP, Brazil.

- Conducted a study about a new molecule with a potential therapeutic effect to control experimental rheumatoid arthritis.
- Collaborated with an American research group (UC-Davis).
- Wrote, edited, and published 2 peer-reviewed papers, 1 as the first-author.

Postdoctoral Research Associate **06/2014 - 07/2016**

Laboratory of Pain Studies, Institute of Biology, State University of Campinas (UNICAMP), Campinas, SP, Brazil.

- Tested a promising novel pharmacological target to control neuropathic pain.
- Collaborated with a German pharmaceutical group (Pharma Center Bonn).
- Wrote, edited, and published 3 peer-reviewed papers, 1 as the first-author.
- Supervised, mentored, and trained 4 graduation students from various backgrounds.

Research Scholar **06/2013 - 12/2013**

Neurobiology of Pain Laboratory, Physical Therapy Department, Carver College of Medicine, University of Iowa - Iowa City, IA, USA.

- Led laboratory bench studies and immunofluorescence assays to investigate cellular mechanisms of muscle and knee joint pain.
- Wrote, edited, and published 2 peer-reviewed papers, 1 as the first-author.

Education

Ph.D. in Functional and Molecular Biology **2010-2014**

State University of Campinas (UNICAMP), Institute of Biology, Campinas, SP, Brazil.

Thesis: *Involvement of P2X3 and P2X7 purinergic receptors in inflammatory articular hyperalgesia in the knee joint of rats and the study of the peripheral mechanisms involved.*

Fellowship: São Paulo Research Foundation - FAPESP.

- Obtained and administered funding (research grant) from São Paulo Research Foundation - FAPESP (3 years funding, approximate amount in dollars: U$50,000.00).
- Supervised, mentored, and trained six undergraduate and master students.
- Wrote, edited, and published 7 peer-reviewed papers, 3 as the first-author, and presented scientific data at international conferences.

MSc in Dentistry, Oral Physiology **2008-2010**

State University of Campinas (UNICAMP), Piracicaba Dental School, Piracicaba, SP, Brazil.

Dissertation: *The role of the P2X7 purinergic receptor in the genesis of inflammatory pain.*

Fellowship: National Council for Scientific and Technological Development - CNPq.

- Wrote, edited, and published 3 peer-reviewed papers as the first-author and presented scientific data at national conferences.

Bachelor's degree in Science - Biology **2003-2007**

Methodist University of Piracicaba (UNIMEP), Piracicaba, SP, Brazil.

Certifications

- **Good Clinical Practice for Clinical Research Professionals** **11/2022**

Udemy. Relevant Skills: Complete ICH-GCP (R2&R3), Clinical Research, and Clinical Trial Protocol.

- **Medical Writing for Healthcare Professionals** **10/2022**

Udemy. Relevant Skills: Medical writing, medical communications.

- **Design and Interpretation of Clinical Trial** **09/2022**

Johns Hopkins University - Coursera. Relevant Skills: Clinical Research, Clinical Trial Design, Clinical Trial Management.

Languages

- **Portuguese** - Native
- **English** - Fluent

Skills

• Writing, editing, and communication skills; • Working knowledge of scientific terminology, medical, pharmaceutical, and research concepts; • Project management; • Documentation and reports review; • Medical literature research; • Statistical data analysis (GraphPad Prism); • References (EndNote); • Proficiency in Microsoft Office and Adobe Acrobat; • Teaching and training undergraduate and graduate students; • Detail-oriented; • Product and market knowledge; • Resource management; • Commercial acumen; • Time management.

Publications

Abdalla, H. B., Napimoga, M. H., **Teixeira, J. M.**, Trindade-da-Silva, C. A., Pieroni, V. L., Dos Santos Araújo, F. S. M., Hammock, B. D., & Clemente-Napimoga, J. T. (2022). Soluble epoxide hydrolase inhibition avoid formalin-induced inflammatory hyperalgesia in the temporomandibular joint. *Inflammopharmacology*, *30*(3), 981–990.

Teixeira, J. M., Pimentel, R. M., Abdalla, H. B., de Sousa, H. M. X., Macedo, C. G., Napimoga, M. H., Tambeli, C. H., Oliveira-Fusaro, M. C. G., & Clemente-Napimoga, J. T. (2021). P2X7-induced nociception in the temporomandibular joint of rats depends on inflammatory mechanisms and C-fibres sensitization. *European journal of pain (London, England)*, *25*(5), 1107–1118.

Teixeira, J. M., Abdalla, H. B., Basting, R. T., Hammock, B. D., Napimoga, M. H., & Clemente-Napimoga, J. T. (2020). Peripheral soluble epoxide hydrolase inhibition reduces hypernociception and inflammation in albumin-induced arthritis in temporomandibular joint of rats. *International immunopharmacology*, *87*, 106841.

Teixeira, J. M., Parada, C. A., & Tambeli, C. H. (2020). P2X3 and P2X2/3 receptors activation induces articular hyperalgesia by an indirect sensitization of the primary afferent nociceptor in the rats' knee joint. *European journal of pharmacology*, *879*, 173054.

Clemente-Napimoga, J. T., Silva, M. A. S. M., Peres, S. N. C., Lopes, A. H. P., Lossio, C. F., Oliveira, M. V., Osterne, V. J. S., Nascimento, K. S., Abdalla, H. B., **Teixeira, J. M.**, Cavada, B. S., & Napimoga, M. H. (2019). Dioclea violacea lectin ameliorates inflammation in the temporomandibular joint of rats by suppressing intercellular adhesion molecule-1 expression. *Biochimie*, *158*, 34–42.

de Melo Aquino, B., da Silva Dos Santos, D. F., Jorge, C. O., Marques, A. C. S., **Teixeira, J. M.**, Parada, C. A., & Oliveira-Fusaro, M. C. G. (2019). P2X3 receptors contribute to muscle pain induced by static contraction by a mechanism dependent on neutrophil migration. *Purinergic signalling*, *15*(2), 167–175.

Teixeira, J. M., Dos Santos, G. G., Neves, A. F., Athie, M. C. P., Bonet, I. J. M., Nishijima, C. M., Farias, F. H., Figueiredo, J. G., Hernandez-Olmos, V., Alshaibani, S., Tambeli, C. H., Müller, C. E., & Parada, C. A. (2019). Diabetes-induced Neuropathic Mechanical Hyperalgesia Depends on P2X4 Receptor Activation in Dorsal Root Ganglia. *Neuroscience*, *398*, 158–170.

Zanelatto, F. B., Dias, E. V., **Teixeira, J. M.**, Sartori, C. R., Parada, C. A., & Tambeli, C. H. (2018). Anti-inflammatory effects of propranolol in the temporomandibular joint of female rats and its contribution to antinociceptive action. *European journal of pain (London, England)*, *22*(3), 572–582.

Athie, M. C. P., Vieira, A. S., **Teixeira, J. M.**, Dos Santos, G. G., Dias, E. V., Tambeli, C. H., Sartori, C. R., & Parada, C. A. (2018). Transcriptome analysis of dorsal root ganglia's diabetic neuropathy reveals mechanisms involved in pain and regeneration. *Life sciences*, *205*, 54–62.

Bobinski, F., **Teixeira, J. M.**, Sluka, K. A., & Santos, A. R. S. (2018). Interleukin-4 mediates the analgesia produced by low-intensity exercise in mice with neuropathic pain. *Pain*, *159*(3), 437–450.

Teixeira, J. M., Parada, C. A., & Tambeli, C. H. (2018). A cyclic pathway of P2 × 7, bradykinin, and dopamine receptor activation induces a sustained articular hyperalgesia in the knee joint of

rats. *Inflammation research : official journal of the European Histamine Research Society [et al.]*, *67*(4), 301–314.

Teixeira, J. M., Bobinski, F., Parada, C. A., Sluka, K. A., & Tambeli, C. H. (2017). P2X3 and P2X2/3 Receptors Play a Crucial Role in Articular Hyperalgesia Development Through Inflammatory Mechanisms in the Knee Joint Experimental Synovitis. *Molecular neurobiology*, *54*(8), 6174–6186.

Teixeira, J. M., Dias, E. V., Parada, C. A., & Tambeli, C. H. (2017). Intra-Articular Blockade of P2X7 Receptor Reduces the Articular Hyperalgesia and Inflammation in the Knee Joint Synovitis Especially in Female Rats. *The journal of pain*, *18*(2), 132–143.

Schiavuzzo, J. G., **Teixeira, J. M.**, Melo, B., da Silva dos Santos, D. F., Jorge, C. O., Oliveira-Fusaro, M. C., & Parada, C. A. (2015). Muscle hyperalgesia induced by peripheral P2X3 receptors is modulated by inflammatory mediators. *Neuroscience*, *285*, 24–33.

dos Santos, G. G., Dias, E. V., **Teixeira, J. M.**, Athie, M. C., Bonet, I. J., Tambeli, C. H., & Parada, C. A. (2014). The analgesic effect of dipyrone in peripheral tissue involves two different mechanisms: neuronal K(ATP) channel opening and CB(1) receptor activation. *European journal of pharmacology*, *741*, 124–131.

Teixeira, J. M., de Oliveira-Fusaro, M. C., Parada, C. A., & Tambeli, C. H. (2014). Peripheral P2X7 receptor-induced mechanical hyperalgesia is mediated by bradykinin. *Neuroscience*, *277*, 163–173.

Perin-Martins, A., **Teixeira, J. M.**, Tambeli, C. H., Parada, C. A., & Fischer, L. (2013). Mechanisms underlying transient receptor potential ankyrin 1 (TRPA1)-mediated hyperalgesia and edema. *Journal of the peripheral nervous system : JPNS*, *18*(1), 62–74.

Oliveira-Fusaro, M. C., Clemente-Napimoga, J. T., **Teixeira, J. M.**, Torres-Chávez, K. E., Parada, C. A., & Tambeli, C. H. (2012). 5-HT induces temporomandibular joint nociception in rats through the local release of inflammatory mediators and activation of local β adrenoceptors. *Pharmacology, biochemistry, and behavior*, *102*(3), 458–464.

Torres-Chávez, K. E., Fischer, L., **Teixeira, J. M.**, Fávaro-Moreira, N. C., Obando-Pereda, G. A., Parada, C. A., & Tambeli, C. H. (2011). Sexual dimorphism on cytokines expression in the temporomandibular joint: the role of gonadal steroid hormones. *Inflammation*, *34*(5), 487–498.

Teixeira, J. M., Oliveira, M. C., Nociti, F. H., Jr, Clemente-Napimoga, J. T., Pelegrini-da-Silva, A., Parada, C. A., & Tambeli, C. H. (2010). Involvement of temporomandibular joint P2X3 and P2X2/3 receptors in carrageenan-induced inflammatory hyperalgesia in rats. *European journal of pharmacology*, *645*(1-3), 79–85.

Teixeira, J. M., Oliveira, M. C., Parada, C. A., & Tambeli, C. H. (2010). Peripheral mechanisms underlying the essential role of P2X7 receptors in the development of inflammatory hyperalgesia. *European journal of pharmacology*, *644*(1-3), 55–60.