

pseudoArticles

My papers

Marcel [Willian F. Zambuzzi et al. (2025); Marcel Rodrigues Ferreira, Carratto, et al. (2025); Naia Fioretto et al. (2024); Gerson Santos de Almeida et al. (2023); Célio J. da Costa Fernandes, Ferreira, and Zambuzzi (2023); C. Fernandes et al. (2023); Silva, Ferreira, et al. (2019); Willian Fernando Zambuzzi and Ferreira (2025); Silva Feltran et al. (2019); Silva, Fuhler, et al. (2019); C. J. da C. Fernandes et al. (2023); S. Feltran et al. (2019a); Lemes dos Santos Sanna et al. (2024); Carvalho et al. (2023); Bergamo et al. (2023); Silva Feltran et al. (2024); (n.d.); Assis et al. (2021); Silva et al. (2018); Marcel Rodrigues Ferreira, Feltran, et al. (2025); Castelli et al. (2025); Silva et al. (2020); Marcel Rodrigues Ferreira et al. (2020); Celio J. da Costa Fernandes et al. (2018); C. J. C. Fernandes et al. (2024); Gerson S. de Almeida et al. (2024); Amadeu de Oliveira et al. (2023); Franco Cairo et al. (2022); Pinto et al. (2022); Marcel Rodrigues Ferreira and Zambuzzi (2020); Marcel R. Ferreira et al. (2020); Gomes et al. (2020); S. Feltran et al. (2019b); Machado et al. (2019); C. J. C. Fernandes et al. (2018); Bezerra et al. (2017)](C. J. C. Fernandes et al. 2024)[Gerson S. de Almeida et al. (2024)](Amadeu de Oliveira et al. 2023)[Franco Cairo et al. (2022)](Pinto et al. 2022)[Marcel Rodrigues Ferreira and Zambuzzi (2020)][Marcel R. Ferreira et al. 2020][Gomes et al. (2020)](S. Feltran et al. 2019b)[Machado et al. (2019)](C. J. C. Fernandes et al. 2018)[Bezerra et al. (2017)](Alvarez et al. 2015)

n.d.

Almeida, Gerson S. de, Marcel R. Ferreira, Célio C. Fernandes, Carlos A. O. de Biagi, Wilson Araújo Silva, Elidiane C. Rangel, Paulo N. Lisboa-Filho, and Willian F. Zambuzzi. 2024. “Combination of *in Silico* and Cell Culture Strategies to Predict Biomaterial Performance: Effects of Sintering Temperature on the Biological Properties of Hydroxyapatite.” *Journal of Biomedical Materials Research Part B: Applied Biomaterials* 112 (2). <https://doi.org/10.1002/jbm.b.35389>.

Almeida, Gerson Santos de, Marcel Rodrigues Ferreira, Célio Junior da Costa Fernandes, Luísa Camilo Suter, Maria Gabriela Jacheto Carra, Diego Rafael Nespeque Correa, Elidiane Cipriano Rangel, Margarida Juri Saeki, and Willian Fernando Zambuzzi. 2023. “Development of Cobalt (Co)-Doped Monetites for Bone Regeneration.” *Journal of Biomedical Materials Research Part B: Applied Biomaterials* 112 (1). <https://doi.org/10.1002/jbm.b.35319>.

- Alvarez, Thabata Maria, Marcelo Vizoná Liberato, João Paulo L. Franco Cairo, Douglas A. A. Paixão, Bruna M. Campos, Marcel R. Ferreira, Rodrigo F. Almeida, et al. 2015. "A Novel Member of GH16 Family Derived from Sugarcane Soil Metagenome." *Applied Biochemistry and Biotechnology* 177 (2): 304–17. <https://doi.org/10.1007/s12010-015-1743-7>.
- Amadeu de Oliveira, Flávia, Cintia K. Tokuhara, Vimal Veeriah, João Paulo Domezi, Mariana R. Santesso, Tania M. Cestari, Talita M. O. Ventura, et al. 2023. "The Multifarious Functions of Leukotrienes in Bone Metabolism." *Journal of Bone and Mineral Research* 38 (8): 1135–53. <https://doi.org/10.1002/jbmr.4867>.
- Assis, Rahyza I. F., Geórgia da S. Feltran, Maria Eduarda Salomão Silva, Iasmin Caroline do Rosário Palma, Emanuel Silva Rovai, Taís Browne de Miranda, Marcel Rodrigues Ferreira, et al. 2021. "Non-Coding RNAs Repressive Role in Post-Transcriptional Processing of RUNX2 During the Acquisition of the Osteogenic Phenotype of Periodontal Ligament Mesenchymal Stem Cells." *Developmental Biology* 470 (February): 37–48. <https://doi.org/10.1016/j.ydbio.2020.10.012>.
- Bergamo, Edmara T. P., Ísis de Fátima Balderrama, Marcel Rodrigues Ferreira, Robert Spielman, Blaire V. Slavin, Andrea Torroni, Nick Tovar, et al. 2023. "Osteogenic Differentiation and Reconstruction of Mandible Defects Using a Novel Resorbable Membrane: An in Vitro and in Vivo Experimental Study." *Journal of Biomedical Materials Research Part B: Applied Biomaterials* 111 (11): 1966–78. <https://doi.org/10.1002/jbm.b.35299>.
- Bezerra, Fábio, Marcel R. Ferreira, Giselle N. Fontes, Célio Jr da Costa Fernandes, Denise C. Andia, Nilson C. Cruz, Rodrigo A. da Silva, and Willian F. Zambuzzi. 2017. "Nano Hydroxyapatite-Blasted Titanium Surface Affects Pre-Osteoblast Morphology by Modulating Critical Intracellular Pathways." *Biotechnology and Bioengineering* 114 (8): 1888–98. <https://doi.org/10.1002/bit.26310>.
- C. Fernandes, Célio Junior da, Rodrigo A. Foganholi da Silva, Gerson Santos de Almeida, Marcel Rodrigues Ferreira, Paula Bertin de Moraes, Fábio Bezerra, and Willian F. Zambuzzi. 2023. "Epigenetic Differences Arise in Endothelial Cells Responding to Cobalt–Chromium." *Journal of Functional Biomaterials* 14 (3): 127. <https://doi.org/10.3390/jfb14030127>.
- Carvalho, Liebert Bernardes, Paula Lemes dos Santos Sanna, Camila Cristina dos Santos Afonso, Eduardo F. Bondan, Geórgia da Silva Feltran, Marcel Rodrigues Ferreira, Alexander Birbrair, Denise Carleto Andia, Alexandra Latini, and Rodrigo A. Foganholi da Silva. 2023. "MicroRNA Biogenesis Machinery Activation and lncRNA and REST Overexpression as Neuroprotective Responses to Fight Inflammation in the Hippocampus." *Journal of Neuroimmunology* 382 (September): 578149. <https://doi.org/10.1016/j.jneuroim.2023.578149>.
- Castelli, Erick C., Raphaela Neto Pereira, Gabriela Sato Paes, Heloisa S. Andrade, Marcel Rodrigues Ferreira, Ícaro Scalis de Freitas Santos, Nicolas Vince, Nicholas R. Pollock, Paul J. Norman, and Diogo Meyer. 2025. "Kir-Mapper: A Toolkit for Killer-Cell Immunoglobulin-Like Receptor (KIR) Genotyping From Short-Read Second-Generation Sequencing Data." *HLA* 105 (3). <https://doi.org/10.1111/tan.70092>.
- Costa Fernandes, Celio J. da, Marcel Rodrigues Ferreira, Fábio J. B. Bezerra, and Willian F. Zambuzzi. 2018. "Zirconia Stimulates ECM-Remodeling as a Prerequisite to Pre-Osteoblast Adhesion/Proliferation by Possible Interference with Cellular Anchorage." *Jour-*

- nal of Materials Science: Materials in Medicine* 29 (4). <https://doi.org/10.1007/s10856-018-6041-9>.
- Costa Fernandes, Célio J. da, Marcel Rodrigues Ferreira, and Willian Fernando Zambuzzi. 2023. “Cyclopamine Targeting Hedgehog Modulates Nuclear Control of the Osteoblast Activity.” *Cells & Development* 174 (June): 203836. <https://doi.org/10.1016/j.cdev.2023.203836>.
- Fernandes, Célio J.C., Fábio Bezerra, Marcel R. Ferreira, Amanda F. C. Andrade, Thais Silva Pinto, and Willian F. Zambuzzi. 2018. “Nano Hydroxyapatite-Blasted Titanium Surface Creates a Biointerface Able to Govern Src-Dependent Osteoblast Metabolism as Prerequisite to ECM Remodeling.” *Colloids and Surfaces B: Biointerfaces* 163 (March): 321–28. <https://doi.org/10.1016/j.colsurfb.2017.12.049>.
- Fernandes, Célio J.C., Rodrigo A. Silva, Marcel R. Ferreira, Gwenny M. Fuhler, Maikel P. Peppelenbosch, Bram CJ. van der Eerden, and Willian F. Zambuzzi. 2024. “Vascular Smooth Muscle Cell-Derived Exosomes Promote Osteoblast-to-Osteocyte Transition via - Catenin Signaling.” *Experimental Cell Research* 442 (1): 114211. <https://doi.org/10.1016/j.yexcr.2024.114211>.
- Fernandes, Célio Júnior da C., Rodrigo A. Foganholi da Silva, Patrícia F. Wood, Marcel Rodrigues Ferreira, Gerson S. de Almeida, Julia Ferreira de Moraes, Fábio J. Bezerra, and Willian F. Zambuzzi. 2023. “Titanium-Enriched Medium Promotes Environment-Induced Epigenetic Machinery Changes in Human Endothelial Cells.” *Journal of Functional Biomaterials* 14 (3): 131. <https://doi.org/10.3390/jfb14030131>.
- Ferreira, Marcel Rodrigues, Thássia Mayra Telles Carratto, Tamara Soledad Frontanilla, Raphael Severino Bonadio, Miten Jain, Silviene Fabiana de Oliveira, Erick C. Castelli, and Celso Teixeira Mendes-Junior. 2025. “Advances in Forensic Genetics: Exploring the Potential of Long Read Sequencing.” *Forensic Science International: Genetics* 74 (January): 103156. <https://doi.org/10.1016/j.fsigen.2024.103156>.
- Ferreira, Marcel Rodrigues, Geórgia da Silva Feltran, Anderson Moreira Gomes, José Cavalcante Souza Vieira, Guilherme Gazolla Santana, Matheus Amaral Silva, Emerson Araújo Alves dos Santos, and Willian Fernando Zambuzzi. 2025. “Mesenchymal Stem Cell Differentiation Induced by Lyophilized PRP During Early Osteogenesis.” *Cell Biology International* 50 (1). <https://doi.org/10.1002/cbin.70101>.
- Ferreira, Marcel Rodrigues, Renato Milani, Elidiane C. Rangel, Maikel Peppelenbosch, and Willian Zambuzzi. 2020. “OsteoBLAST: Computational Routine of Global Molecular Analysis Applied to Biomaterials Development.” *Frontiers in Bioengineering and Biotechnology* 8 (October). <https://doi.org/10.3389/fbioe.2020.565901>.
- Ferreira, Marcel Rodrigues, and Willian Fernando Zambuzzi. 2020. “Platelet Microparticles Load a Repertory of miRNAs Programmed to Drive Osteogenic Phenotype.” *Journal of Biomedical Materials Research Part A* 109 (8): 1502–11. <https://doi.org/10.1002/jbm.a.37140>.
- Ferreira, Marcel R., Gerson A. Santos, Carlos A. Biagi, Wilson A. Silva Junior, and Willian F. Zambuzzi. 2020. “GSVA Score Reveals Molecular Signatures from Transcriptomes for Biomaterials Comparison.” *Journal of Biomedical Materials Research Part A* 109 (6): 1004–14. <https://doi.org/10.1002/jbm.a.37090>.

- Franco Cairo, João Paulo L., Fernanda Mandelli, Robson Tramontina, David Cannella, Alessandro Paradisi, Luisa Ciano, Marcel R. Ferreira, et al. 2022. “Oxidative Cleavage of Polysaccharides by a Termite-Derived *Superoxide Dismutase* Boosts the Degradation of Biomass by Glycoside Hydrolases.” *Green Chemistry* 24 (12): 4845–58. <https://doi.org/10.1039/d1gc04519a>.
- Gomes, O. P., G. S. Feltran, M. R. Ferreira, C. S. Albano, W. F. Zambuzzi, and P. N. Lisboa-Filho. 2020. “A Novel BSA Immobilizing Manner on Modified Titanium Surface Ameliorates Osteoblast Performance.” *Colloids and Surfaces B: Biointerfaces* 190 (June): 110888. <https://doi.org/10.1016/j.colsurfb.2020.110888>.
- Lemes dos Santos Sanna, Paula, Liebert Bernardes Carvalho, Camila Cristina dos Santos Afonso, Kassia de Carvalho, Rogério Aires, Jennyffer Souza, Marcel Rodrigues Ferreira, et al. 2024. “Adora2A Downregulation Promotes Caffeine Neuroprotective Effect Against LPS-Induced Neuroinflammation in the Hippocampus.” *Brain Research* 1833 (June): 148866. <https://doi.org/10.1016/j.brainres.2024.148866>.
- Machado, Mariana Issler Pinheiro, Anderson Moreira Gomes, Marcel Ferreira Rodrigues, Thais Silva Pinto, Célio Júnior da Costa Fernandes, Fábio J. Bezerra, and Willian Fernando Zambuzzi. 2019. “Cobalt-Chromium-Enriched Medium Ameliorates Shear-Stressed Endothelial Cell Performance.” *Journal of Trace Elements in Medicine and Biology* 54 (July): 163–71. <https://doi.org/10.1016/j.jtemb.2019.04.012>.
- Naia Fioretto, Matheus, Flávia Alessandra Maciel, Luísa Annibal Barata, Isabelle Tenori Ribeiro, Carolina Beatriz Pinheiro Basso, Marcel Rodrigues Ferreira, Sérgio Alexandre Alcantara dos Santos, et al. 2024. “Impact of Maternal Protein Restriction on the Proteomic Landscape of Male Rat Lungs Across the Lifespan.” *Molecular and Cellular Endocrinology* 592 (October): 112348. <https://doi.org/10.1016/j.mce.2024.112348>.
- Pinto, T. S., B. R. Martins, M. R. Ferreira, F. Bezerra, and W. F. Zambuzzi. 2022. “Nanohydroxyapatite-Blasted Bioactive Surface Drives Shear-Stressed Endothelial Cell Growth and Angiogenesis.” Edited by Frederic Cailotto. *BioMed Research International* 2022 (1). <https://doi.org/10.1155/2022/1433221>.
- S. Feltran, Georgia da, Fábio Bezerra, Célio Júnior da Costa Fernandes, Marcel Rodrigues Ferreira, and Willian F. Zambuzzi. 2019a. “Differential Inflammatory Landscape Stimulus During Titanium Surfaces Obtained Osteogenic Phenotype.” *Journal of Biomedical Materials Research Part A* 107 (8): 1597–1604. <https://doi.org/10.1002/jbm.a.36673>.
- . 2019b. “Differential Inflammatory Landscape Stimulus During Titanium Surfaces Obtained Osteogenic Phenotype.” *Journal of Biomedical Materials Research Part A* 107 (8): 1597–1604. <https://doi.org/10.1002/jbm.a.36673>.
- Silva Feltran, Geórgia da, Rodrigo Augusto da Silva, Célio Junior da Costa Fernandes, Marcel Rodrigues Ferreira, Sérgio Alexandre Alcântara dos Santos, Luis Antônio Justulin Júnior, Liliana del Valle Sosa, and Willian Fernando Zambuzzi. 2024. “Vascular Smooth Muscle Cells Exhibit Elevated Hypoxia-Inducible Factor-1 Expression in Human Blood Vessel Organoids, Influencing Osteogenic Performance.” *Experimental Cell Research* 440 (2): 114136. <https://doi.org/10.1016/j.yexcr.2024.114136>.
- Silva Feltran, Geórgia da, Célio Junior da Costa Fernandes, Marcel Rodrigues Ferreira, Ha Ram Kang, Ana Lívia de Carvalho Bovolato, Márjorie de Assis Golim, Elenice Deffune, Ivan

- Hong Jun Koh, Vera Regina Leopoldo Constantino, and Willian F. Zambuzzi. 2019. "Sonic Hedgehog Drives Layered Double Hydroxides-Induced Acute Inflammatory Landscape." *Colloids and Surfaces B: Biointerfaces* 174 (February): 467–75. <https://doi.org/10.1016/j.colsurfb.2018.11.051>.
- Silva, Rodrigo A. da, Amanda Fantini de Camargo Andrade, Geórgia da Silva Feltran, Célio Júnior da C. Fernandes, Rahyza Inacio F. de Assis, Marcel Rodrigues Ferreira, Denise C. Andia, and Willian F. Zambuzzi. 2018. "The Role of Triiodothyronine Hormone and Mechanically-Stressed Endothelial Cell Paracrine Signalling Synergism in Gene Reprogramming During hBMSC-Stimulated Osteogenic Phenotype in Vitro." *Molecular and Cellular Endocrinology* 478 (December): 151–67. <https://doi.org/10.1016/j.mce.2018.08.008>.
- Silva, Rodrigo A. da, Marcel Rodrigues Ferreira, Anderson Moreira Gomes, and Willian F. Zambuzzi. 2019. "LncRNA HOTAIR Is a Novel Endothelial Mechanosensitive Gene." *Journal of Cellular Physiology* 235 (5): 4631–42. <https://doi.org/10.1002/jcp.29340>.
- Silva, Rodrigo A. da, Gwenny M. Fuhler, Vincent T. Janmaat, Célio Júnior da C. Fernandes, Geórgia da Silva Feltran, Flávia Amadeu Oliveira, Adriana Arruda Matos, et al. 2019. "HOXA Cluster Gene Expression During Osteoblast Differentiation Involves Epigenetic Control." *Bone* 125 (August): 74–86. <https://doi.org/10.1016/j.bone.2019.04.026>.
- Silva, Rodrigo A. da, Geórgia da Silva Feltran, Marcel Rodrigues Ferreira, Patrícia Fretes Wood, Fabio Bezerra, and Willian F. Zambuzzi. 2020. "The Impact of Bioactive Surfaces in the Early Stages of Osseointegration: An *In Vitro* Comparative Study Evaluating the HAnano® and SLActive® Super Hydrophilic Surfaces." Edited by Nick Silikas. *BioMed Research International* 2020 (1). <https://doi.org/10.1155/2020/3026893>.
- Zambuzzi, Willian Fernando, and Marcel Rodrigues Ferreira. 2025. "Dynamic Ion-Releasing Biomaterials Actively Shape the Microenvironment to Enhance Healing." *Journal of Trace Elements in Medicine and Biology* 89 (June): 127657. <https://doi.org/10.1016/j.jtemb.2025.127657>.
- Zambuzzi, Willian F., Marcel Rodrigues Ferreira, Zifan Wang, and Maikel P. Peppelenbosch. 2025. "A Biochemical View on Intermittent Fasting's Effects on Human Physiology—Not Always a Beneficial Strategy." *Biology* 14 (6): 669. <https://doi.org/10.3390/biology14060669>.