

CURRICULUM VITAE
Francine Johansson Azeredo, Ph.D.

Since November 2021	Research Assistant Professor Department of Pharmaceutics, College of Pharmacy, University of Florida, U.S.
12/2015 to 10/2021	Assistant Professor Dept. of Medicine, Faculty of Pharmacy, Federal University of Bahia, Brazil
2017 – 2021	Chair of the Department Dept. of Medicine, Faculty of Pharmacy, Federal University of Bahia, Brazil
2014 - 2015	Postdoctoral Fellow at Federal University of Rio Grande do Norte (Advisors: Prof. Hartmut Derendorf and Prof. Eryvaldo Sócrates Tabosa do Egito).
2013 - 2014	Postdoctoral Fellow at Federal University of Rio Grande do Sul (Advisor Prof. Teresa Dalla Costa).
Education	
2003 - 2007	B.S. in Pharmacy, The Federal University of Rio Grande do Sul, Brazil.
2009 - 2013	Doctorate (Ph.D.) with a dissertation on "PK/PD Modeling of the antifungal effect of Fluconazole" at Federal University of Rio Grande do Sul with a collaborative period at the University of Florida.
Traineeship	
2008 - 2008	Trainee in the German Cancer Research Center, Heidelberg, Germany.
Teaching:	
<i>Full courses:</i> Basic Pharmacokinetics at the Federal University of Rio Grande do Sul, Clinical Pharmacokinetics and Pharmacometrics at the Federal University of Bahia – Brazil; PHA6418 - Introduction to Model-Informed Drug Development (MIDD) at the University of Florida	
<i>Lectures taught:</i> The main instructor of 9 courses on Basic and Clinical Pharmacokinetics and Pharmacometrics at Universities	
Advising/mentoring:	
Primary supervisor or co-supervisor of 4 Ph.D. students Mentoring 40 research students (BSc, M. Pharm, or PharmD level) Training 1 researcher assistant/technician	
Leadership & Service:	
Federal University of Bahia (UFBA): Admissions Committee (9/2018 to 7/2020), Promotion & Tenure Committee (01/2019 to 10/2021), Research Comm. (10/2017 to 06/2021), Postgraduate Program Committee (8/2019 to 8//2021) Reviewer for Capes and CNPq (Brazilian Federal Educational and Science Foundations from 01/2016 to 08/2021)	
Editorial Board Member of the European Journal of Pharmaceutical Sciences and Frontiers in Pharmacology Reviewer for 15 journals since 2012	
Communication:	
Responsible for advertising two international conferences via electronic media	
Languages:	
Portuguese (native), English (fluent), Spanish (intermediate), and German (beginner)	

AWARDS

2019	Commencement speaker in the Graduation of Pharmacy in 2019.1 and 2019.2, Faculty of Pharmacy – Federal University of Bahia.
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2018.2	Commencement speaker in the Graduation of Pharmacy in 2018.2, Faculty of Pharmacy – Federal University of Bahia.
2018.1	Best teaching Professor, Faculty of Pharmacy – Federal University of Bahia.
2017.1	Best teaching Professor, Faculty of Pharmacy – Federal University of Bahia.

RESEARCH GRANTS

ONGOING PROJECTS

New Project(s) Awarded In 2022 and 2023:

1. Azeredo FJ (PD/PI), Bulitta JB (Co-I)

Optimizing the dosing of antimalarial drugs through a PK/PD model system

UF PROSPER Seed Grant

6/1/2023 – 5/31/2025 \$ 40,000.00

2. Azeredo FJ (PD/PI), Schmidt S (Co-PI), Vozmediano V (Co-I), Ruiz A (Co-I)

Development of a semi-mechanistic disease-drug platform for hepatitis B

Gilead Science, Inc.

05/2023 – 05/2027 \$ 400,000.00

3. Diogo Rodrigo de Magalhães Moreira (PI), Francine Johansson Azeredo (Co-I), Fabio Rocha Formiga (Co-I)

Proof-of-concept study of mefloquine nanoformulation for prophylaxis of ultra-long duration in malaria

CNPq 440227/2022-4

01/2023 – 12/2025 R\$ 300,000.00 (Brazilian Reais)

4. Bezerra, DP (PI), Rocha, CG (Co-PI), Silva, DF (Co-PI), Azeredo, FJ (Co-I), Marcelino, HR (Co-I), Godoy, ALP (Co-I), Villarreal, CF (Co-I), Alves, QL (Co-I).

Bahia Network for Bioprospection and Drug Development – BioproFar-Bahia

Fapesb/SECTI 2625/2022

02/13/2023 – 02/13/2026, R\$ 1,829,300.00 (Brazilian Reais)

COMPLETED PROJECTS

1. CNPq 407600/2016-7- Pharmacometric Analysis of the antifungal and leishmanicidal effects of Amphotericin B. Project period: 2017 – 2020. Amount: R\$ 24,000.00 (Brazilian reais). **Role: PI.**
2. Ministry of Science and Technology, Brazil/PROEXT – Edital 002/2016 - Promising Researchers Gran. Pre-clinical pharmacokinetics modeling and tissue distribution of resveratrol. Project Period: 2017- 2019. Amount: R\$ 30,000.00 (Brazilian reais). **Role: PI**
3. CNPq 407580/2016-7 -Development and biological evaluation of polymeric nanoparticles containing clozapine. Project period: 2017 – 2020. Amount: R\$ 45,000.00 (Brazilian reais). **Role: Co-PI**
4. CNPq 407612/2016-8 - Population pharmacokinetics of magnesium sulfate in patients with pre-eclampsia. Project period: 2017 – 2019. Amount: R\$ 20,000.00 (Brazilian reais). **Role: Co-PI**

Editorial Board Member

European Journal of Pharmaceutical Sciences, since July 2021

Frontiers in Pharmacology, since October 2022

Pharmaceutics, since August 2023

Journal Reviewer (invited)

#	Journal	IF	Since Year
1	Antimicrobial Agents and Chemotherapy	5.938	2012
2	European Journal of Pharmaceutical Sciences	5.112	2019
3	International Journal of Antimicrobial Agents	15.441	2017
4	Journal of Antimicrobial Chemotherapy	5.758	2016
5	Pharmaceutical Research	4.580	2021
6	Frontiers in Pharmacology	5.988	2022
7	Antibiotics	5.222	2021
8	Pharmaceutics	6.525	2022
9	Pharmaceuticals	5.215	2022
10	Journal of Pharmaceutical and Biomedical Analysis	3.571	2014
11	Reproductive Toxicology	3.421	2018
12	Brazilian Journal of Pharmaceutical Sciences	1.214	2019
13	Quimica Nova	0.961	2018
14	Microbiology Spectrum	9.043	2021
15	Biomedical Chromatography	1.901	2018
16	Journal of Medical Microbiology	3.196	2023

Past and Actual Memberships

American Association of Pharmaceutical Scientists (AAPS)

International Society of Pharmacometrics (ISoP)

Ibero-American Pharmacometrics Network (RedIF)

Brazilian Association of Pharmaceutical Sciences (ABCF)

TEACHING

Course	Title	Role	University
FARA79	Clinical Pharmacokinetics ADME aspects. Evaluation of pharmacokinetic profiles and determination of parameters by compartmental and non-compartmental approaches. Linear and non-linear pharmacokinetics in single and multiple doses. Therapeutic drug monitoring in normal patients and special populations. Clinical pharmacokinetics of aminoglycosides, vancomycin, digoxin, and anticonvulsant drugs.	Course leader, teacher, and coordinator	Federal University of Bahia
FARC23	Pharmacometrics Stochastic, Physiological and Mammillary Models.	Course leader, teacher, and coordinator	Federal University of Bahia

	Use of software to calculate individual and population pharmacokinetic and pharmacodynamic parameters. Use of software for drug effect simulation in situations not experimentally evaluated.		
FAR02038	Basic Pharmacokinetics	Teaching partner	Federal University of Rio Grande do Sul
PHA 6418	Introduction to Model-Informed Drug Development (MIDD) Overview of applying modeling and simulation strategies to improve drug development decision-making and trial designs. Examples of applications include translational approaches from preclinical to clinical research, translation from biomarker to a clinical endpoint, dose-finding during Phases 1 and 2, and clinical confirmation during Phase 3. Characterizing sources of variability in drug response, regulatory interactions, and post-marketing assessment.	Coordinator	UF-COP Department of Pharmaceutics

Pharmacokinetics / Pharmacodynamics Workshops

Lecture Title

1. Azeredo, F.J. Population analysis: concepts & nomenclature. Ibero-American Pharmacometrics Network (RedIF). 2021 and 2022.
2. Azeredo, F.J. B.V. Araujo. Model evaluation. Ibero-American Pharmacometrics Network (RedIF). 2021 and 2022.
3. Azeredo, F.J. PK-PD Modeling in Translational Drug Research: From Anti-Infectives to Neglected Tropical Diseases. Lake Nona Leadership Council Meeting. 2022
4. Azeredo, F.J. Farmacometria: Inovação e Tecnologia em Saúde. Federal University of Santa Maria, Brazil. 2022.
5. AZEREDO, F. J. The use of microdialysis in translational drug development. International Pharmaceutical Federation (FIP PSWC). 2020.
6. Azeredo, F.J. Antimicrobial dose optimization based on microdialysis and PK-PD modeling. 2019.
7. Azeredo, F.J.; ARAUJO, B. V. PK-PD models applied to dose optimization of antifungal agents. 2018.
8. Azeredo, F.J. Modelagem Farmacocinética. Federal University of Paraiba. 2018.
9. Azeredo, Francine Johansson. Modelagem PK-PD de Antimicrobianos. Federal University of Ouro Preto. 2017.
10. Azeredo, F.J. Modelagem farmacocinética de fármacos inclusos em nanopartículas. Federal University of Pampa, Brazil. 2016.
11. Azeredo, F.J. O Uso da Microdiálise na Avaliação de Fármacos. State University of Maringa, Brazil. 2015

Mentorship, Research Training, and Supervision

Since 2014, I have trained, advised, and supervised **67 students**.

Post-doc associate: 1
 PhD students: 4
 PhD students committee: 12 (9 completed)

Master students: 10
 Master students committee: 14 (all completed)
 Research assistants: 1
 Research intern students: 27

Postdoctoral Associates (main supervisor)

#	Years	Research Assistant
1	2023 -	Helenita Quadros, Ph.D

PhD students:

#	Years	Student	Main / Co-advisor	Joint publications	Status
1	2023-ongoing	Manasa Tattipali	Main	-	Qualifying in Spring/2024
	2022 - ongoing	M.Pharm. Laiz Campos Pereira	Main	1 paper	
2	2020 - ongoing	M.Pharm. Valdeene Vieira Santos	Main	3 papers	Qualified Graduated in July 2019
3	2015 - 2019	Dr. Tatiana Xavier da Costa	Co	2 papers	Chief of Pharmacy at Maternidade Escola Januário Cicco - MEJC/UFRN

Master students:

#	Years	Student	Main / Co-advisor
1	2014 - 2016	M.Pharm Sarah Rafaelly dos Santos.	Co
2	2015 - 2017	M.S. Cássia Araújo Cerqueira	Co
3	2015 - 2017	M.Pharm Marta Danielle de Almeida Pimenta Cunha	Co
4	2017 - 2019	M.Pharm. Valdeene Vieira Santos	Main
5	2019 - 2022	M.Pharm. Sayuri Rocha Yamashita	Main
6	2020 - 2022	M.Pharm Laiz Campos Pereira	Main
7	2020 - 2023	Matheus Antonio da Hora Borges	Main
8	2021 - 2024	Rafaela Ferreira Santos Marques	Main
9	2021 - 2023	Jackeline Marley Santos de Araújo	Main

Research Scholar/ Assistants / Technicians / Project coordinators (main supervisor)

#	Years	Research Assistant
1	2022 -	Ms. Kiana Pica
2	2023 -	Ana Claudia Funguetto

Research Intern Students

#	Years	Student	Background
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1	2015-2016	Valdeene Vieira Santos	Pharmacy research student
2	2015-2016	Vanessa Teles de Oliveira	Pharmacy research student
3	2015-2016	Vanielle Carla da Silva	Pharmacy research student
4	2015-2016	JORDI ANTONIO DE SANTANA BALDUINO	Pharmacy research student
5	2015-2016	DONATA ROSA SANTOS NETA	Pharmacy research student
6	2015-2016	JÚLIA CRUZ DO NASCIMENTO	Pharmacy research student
7	2015-2016	JÉSSICA SILVA NOGUEIRA	Pharmacy research student
8	2016-2017	MARCELO AGUIAR DE FÁTIMA	Pharmacy research student
9	2016-2017	Luana Carvalho	Pharmacy research student
10	2015-2017	Jackeline Marley Araújo	Pharmacy research student
11	2016-2018	Matheus Antônio da Hora Borges	Pharmacy research student
12	2016-2018	Camila Santos Andrade	Pharmacy research student
13	2017-2018	Bruna Souza Vaz de Britto	Pharmacy research student
14	2017-2018	Gabriela Fernandes	Pharmacy research student
15	2017-2018	Hellen Beatriz da Silva Oliveira	Pharmacy research student
16	2017-2019	Laís Campos Pereira	Pharmacy research student
17	2018-2019	Tássia Lais Guimaraes Carneiro	Pharmacy research student
18	2018-2019	Jamile Araújo Ramalho	Pharmacy research student
19	2018-2019	Silvia Silveira Gumes Meirelles	Pharmacy research student
20	2018-2019	Nadia Maria Gomes Sampaio Coutinho	Pharmacy research student
21	2018-2019	Tamy Cavalcante Machado	Pharmacy research student
22	2018-2019	Gabriela Menezes.	Pharmacy research student
23	2018-2020	Carolina Magalhães Brandão	Pharmacy research student
24	2019-2021	Luisa Oliveira Santos	Pharmacy research student
25	2022 (6-mo)	Miriam Happ	Co-mentor, German Pharmacy student
26	2022 (4-mo)	Aaliyah Parchment	PharmD research elective student
27	2022 (3-mo)	Christopher Stone	PharmD research elective student
28	2023 - ongoing	Nekira Frelux	PharmD Research Volunteer

PhD students (committee member)

#	Years	Student	Current position
1	2017	Dr. Miguel Adelino Silva	Completed (Hospital Pharmaceutics)
2	2019	Dr. Marília Carneiro de Araújo Machado	Completed (Postdoc Associate)
3	2019	Dr. Dr. Luisa Helena Perin de Melo	Completed (Academia, Assistant Professor)
4	2020	Dr. Lais Pereira Silva	Completed
5	2020	Dr. Rafaela de Sousa Gonçalves	Completed (Pharmaceutical Industry, Brazil)
6	2020	Dr. Karolina Torres Santos	Completed (Hospital Pharmaceutics)
7	2021	Dr. Lizania Rodrigues Ruschel	Completed (Hospital Pharmaceutics)
8	2021	Dr. Victória Etges Helfer	Completed (Pharmaceutical Industry, U.S.)
9	2021	Dr. Graziela de Araújo Lock	Completed (Postdoc Associate)
10	2022	Ms. Ana Claudia Fungetto	PhD student at Unipampa, Brazil
11	2023 - ongoing	Mr. Anthony Gebhart	PhD student at UF
12	2023 - ongoing	Ms. Clemence Boivin-Champeaux	PhD student at UF

PUBLICATIONS

Full papers

Papers (submitted for publication)

1. Valdeene Vieira Santos, Rafael dos Santos Costa, Renan Fernandes do Espírito Santo, Eudes da Silva Velozo, Cristiane Flora Villarreal, **Francine Johansson Azeredo**. Development and validation of bioanalytical HPLC-PAD method for determination of braylin in rat plasma.
2. Miriam S R Happ, Leandro F Pippa, Gabriela Lauretti, Anthony R Gebhart, Guenther Weindl, **Francine Azeredo**, Valvanera Vozmediano, Stephan Schmidt, Natalia de Moraes. Mitigation of rocuronium-induced residual neuromuscular blockade risk by means of a population pharmacokinetic/pharmacodynamic model.
3. Matheus Antônio da Hora Borges, Jackeline Marley Santos de Araújo, Laiz Campos Pereira, Valdeene Vieira Santos, Jullyana de Souza Siqueira Quintans, Douglas Fernando Rambo, **Francine Johansson Azeredo**. DEVELOPMENT AND VALIDATION OF A METHOD TO QUANTIFY α -BISABOLOL IN RAT PLASMA USING HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY WITH ULTRAVIOLET DETECTOR.

Papers published:

1. Rocha Yamashita, S., Milani Martis, V. Johansson Azeredo, F. A cross-sectional study in critically ill patients affected by COVID-19 in an intensive care unit: would *Acinetobacter baumannii* resistant to carbapenems be the biggest villain? Access Microbiology 2023;5:000542.v3. DOI 10.1099/acmi.0.000542.v3.
2. Stephan Schmidt, Valvanera Vozmediano, Rodrigo Cristofolletti, Sarah Kim, Zhoumeng Lin, Natalia de Moraes, Francine Azeredo, Brian Cicali, Hans Leuenberger, Joshua D. Brown, Jin Y. Jin, Cynthia J. Musante, Stacey Tannenbaum, Yaning Wang. CPT Pharmacometrics Syst Pharmacol. 2023; 00:1–6. <http://doi.org/10.1002/psp4.12970>.
3. Cezar M. Santos Junior, Samara Machado Cardoso, Edijane M. Sales, Eudes S. Velozo, Emile Kelly Porto dos Santosb, Gisele André Baptista Canuto, Francine Johansson Azeredo, Tânia F. Barrosd, Renata Biegelmeyer. Coumarins from Rutaceae: Chemical diversity and biological activities. Fitoterapia, 2023, 105489, ISSN 0367-326X, <https://doi.org/10.1016/j.fitote.2023.105489>.
4. BORGES, MATHEUS ANTÔNIO DA HORA; PASSOS, FABIOLLA ROCHA SANTOS; QUINTANS, JULLYANA DE SOUZA SIQUEIRA; Azeredo, Francine Johansson. Hecogenin and its derivatives: A pharmacology review. BIOMEDICINE & PHARMACOTHERAPY, v. 159, p. 114251, 2023.
5. SILVA, LAÍS PEREIRA; YAMAMOTO, PRISCILA AKEMI; DE ARAÚJO MACHADO, MARILIA CARNEIRO; NEVES, FABIANE MARIA FERNANDES; Azeredo, Francine Johansson; DOS SANTOS SILVA, ANA CAROLYNE SANTANA; HLAVAC, NICOLE; DE MELO SOARES, DENIS; GODOY, ANA LEONOR PARDO CAMPOS; ESTRELA-LIMA, ALESSANDRA. A pilot study of chemotherapy combinations in rats: Focus on mammary cancer treatment in female dogs. RESEARCH IN VETERINARY SCIENCE, v. 155, p. 1, 2023.
6. PEREIRA, LAIZ CAMPOS; FÁTIMA, MARCELO AGUIAR DE; SANTOS, VALDEENE VIEIRA; BRANDÃO, CAROLINA MAGALHÃES; ALVES, IZABEL ALMEIDA; Azeredo, Francine Johansson. Pharmacokinetic/Pharmacodynamic Modeling and Application in Antibacterial and Antifungal Pharmacotherapy: A Narrative Review. ANTIBIOTICS-BASEL, v. 11, p. 986, 2022.
7. Yahouédéhou SCMA, Neres JSS, Moraes NV, Azeredo FJ, Fiuza LM. CAT -21A>T Variant Alters Hydroxyurea Pharmacokinetic Parameters in Brazilian Children with Sickle Cell Anemia. Ann Case Report 7: 920, 2022.
8. Mariana Barros de Cerqueira e Silva, Biane Oliveira Philadelpho, Johnnie Elton Machado dos Santos, Victória Cruz de Souza, Caio Alexandre da Cruz Souza, Jaff Ribeiro da Silva, Carolina

- Oliveira de Souza, Francine Johansson Azeredo, Marcelo Santos Castilho, Eduardo Maffud Cilli, Ederlan de Souza Ferreira. IAF, QGF, and QDF peptides exhibit cholesterol-1 lowering activity through a statin-like 3-hydroxy-3-methylglutaryl coenzyme A reductase regulation mechanism. *International journal of molecular sciences*, 22(20), 11067. 2021
9. Mairim Russo Serafini, Valdeene Vieira Santos, Bruna Gaelzer Silva Torres, Francine Johansson Azeredo, Flávia Medeiros Savi & Izabel Almeida Alves. A patent review of antibiofilm fungal drugs (2002-present), *Critical Reviews in Biotechnology*, v. 41:2, p. 229-248, 2021.
10. GODOY, ANA LEONOR P.C.; DE JESUS, CLAUCEANE; GONÇALVES, RAFAELA S.; Azeredo, Francine Johansson; ROCHA, ADRIANA; MARQUES, MARIA P.; LANCHOTE, VERA L.; LARANGEIRA, DANIELA F.; BARROUIN-MELO, STELLA MARIA. Detection of allopurinol and oxypurinol in canine urine by HPLC/MS-MS: focus on veterinary clinical pharmacokinetics. *JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS*, v. 183, p. 113204, 2020.
11. CAMARGO, SAMUEL FLAVIA; MEDEIROS, CARLA FIAMA; SANTOS, VALDEENE VIEIRA; QUINTANS-JÚNIOR, LUCINDO JOSÉ; Azeredo, Francine Johansson; SILVA, DARIZY FLAVIA. Pharmacokinetics and Antihypertensive effect of linalool is improved after incorporation in β -cyclodextrin as a drug delivery system. *FASEB JOURNAL*, v. 34, p. 1-1, 2020.
12. SANTOS, DOURIVALDO SILVA; LAURIA, PEDRO SANTANA SALES; EVANGELISTA, AFRÂNIO FERREIRA; Azeredo, Francine Johansson; COSTA, JORGE ALBERTO VIEIRA; SOARES, MILENA BOTELHO PEREIRA; DRUZIAN, JANICE IZABEL; VILLARREAL, CRISTIANE FLORA. Beyond inflammation: Centrally mediated antinociceptive properties of *Spirulina platensis* LEB-18 biomass via the opioid system. *Journal of Functional Foods*, v. 72, p. 104083, 2020.
13. DA COSTA, TATIANA XAVIER; Azeredo, Francine Johansson; URURAHY, MARCELA ABBOTT GALVÃO; DA SILVA FILHO, MIGUEL ADELINO; MARTINS, RAND RANDALL; OLIVEIRA, ANTONIO GOUVEIA. Population Pharmacokinetics of Magnesium Sulfate in Preeclampsia and Associated Factors. *Drugs in R&D*, v. 20, p. 1, 2020.
14. BIDU, NADIELLE SILVA; FERNANDES, BRUNO JOSE DUMET; DIAS, EDUARDO JORGE CAVALVANTE; FILHO, JUCELINO NERY CONCEICAO; DE ANDRADE BASTOS, REGINA EUNICE; GODOY, ANA LEONOR PARDO CAMPOS; Azeredo, Francine Johansson; PEDREIRA, JOICE NEVES REIS; COUTO, RICARDO DAVID. Vancomycin Therapeutic Regime Adjustment In Newborn And Infant With Bacterial Infection: Case Series. *CURRENT PHARMACEUTICAL BIOTECHNOLOGY*, v. 20, p. 1, 2019.
15. DA COSTA, TATIANA XAVIER; DE ALMEIDA PIMENTA CUNHA, MARTA DANIELLE; DO VALE BEZERRA, PRISCILLA KARILLINE; Azeredo, Francine Johansson; MARTINS, RAND RANDALL; OLIVEIRA, ANTONIO GOUVEIA. Incidence of Adverse Drug Reactions in High-Risk Pregnancy: A Prospective Cohort Study in Obstetric Intensive Care. *EUROPEAN JOURNAL OF CLINICAL PHARMACOLOGY*, v. 75, p. 1, 2019.
16. YAMAMOTO, PRISCILA A.; BENZI, JHOHANN R. L.; AZEREDO, FRANCINE J.; DACH, FABÍOLA; IANHEZ JÚNIOR, EDGAR; ZANELLI, CLESLEI F.; DE MORAES, NATÁLIA V. Pharmacogenetics-based population pharmacokinetic analysis of gabapentin in patients with chronic pain: Effect of OCT2 and OCTN1 gene polymorphisms. *BASIC & CLINICAL PHARMACOLOGY & TOXICOLOGY*, v. 124, p. 266-272, 2018.
17. MORAES, BARBRA SANCHES; Azeredo, Francine Johansson; IZOTON, JESSICA CRISTINA; AMARAL, MARINA; BARREIRO, ELIEZER DE JESUS; FREDDO, RODRIGO JOSÉ; Dalla Costa, Teresa; LIMA, LÍDIA MOREIRA; HAAS, SANDRA ELISA. Leishmanicidal candidate LASSBio-1736, a cysteine protease inhibitor with favorable pharmacokinetics: low clearance and good distribution. *XENOBIOTICA*, v. 1, p. 1-32, 2017.
18. Azeredo, Francine Johansson; HASS, SANDRA ELISA; SANSONE, PEDRO; DERENDORF, HARTMUT; Costa, Teresa Dalla; DE ARAUJO, BIBIANA VERLINDO. Does the Anesthetic Urethane Influence the Pharmacokinetics of Antifungal Drugs? A Population Pharmacokinetic Investigation in Rats. *Journal of Pharmaceutical Sciences*, v. 1, p. n/a-n/a, 2015.
19. Azeredo, Francine Johansson; Dalla Costa, Teresa; DERENDORF, HARTMUT. Role of Microdialysis in Pharmacokinetics and Pharmacodynamics: Current Status and Future Directions. *Clinical Pharmacokinetics*, v. 53, p. 205-212, 2014.

20. TORRES, BRUNA G. S; Uchôa, Flávia De Toni; PIGATTO, MAIARA C.; AZEREDO, FRANCINE J.; HAAS, SANDRA E.; DALLEGRAVE, ELIANE; CANTO, RÔMULO F. S.; EIFLER-LIMA, VERA L.; Dalla Costa, Teresa. Pre-clinical pharmacokinetics and acute toxicological evaluation of a monastrol derivative anticancer candidate LaSOM 65 in rats. *Xenobiotica* (London. Print), v. 44, p. 1-10, 2013.
21. AZEREDO, F. J.; DE ARAUJO, B. V.; HAAS, S. E.; TORRES, B.; PIGATTO, M.; DE ANDRADE, C.; COSTA, T. D. Comparison of renal penetration of fluconazole in healthy and *Candida albicans* infected Wistar rats. *Antimicrobial Agents and Chemotherapy* (Online), v. 56, p. 5852-5857, 2012.
22. HAAS, S. E.; DE ANDRADE, C.; BRUM JUNIOR, L.; PIGATTO, M.; TORRES, B.; GUTERERS, S.; Dalla Costa, Teresa; AZEREDO, F. J. HIGHLY SENSITIVE LC-MS/MS METHOD FOR THE DETERMINATION OF CLOZAPINE IN RAT PLASMA: APPLICATION TO A PRECLINICAL PHARMACOKINETIC STUDY. *Journal of Liquid Chromatography & Related Technologies* (Print), v. 35, p. 2873-2883, 2012.
23. Kaiser, Moacir; AZEREDO, Francine Johansson; Uchôa, Flávia De Toni; Beraldo, Heloísa de Oliveira; Dalla Costa, Teresa. Pre-clinical pharmacokinetics evaluation of an anticonvulsant candidate benzaldehyde semicarbazone free and included in β -cyclodextrin. *European Journal of Pharmaceutical Sciences*, v. 39, p. 355-362, 2010.
24. Kaiser, Moacir; Azeredo, Francine Johansson; Beraldo, Heloisa de Oliveira; Costa, Teresa Dalla. HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY FOR DETERMINING A NEW ANTICONVULSANT CANDIDATE, BENZALDEHYDE SEMICARBAZONE IN RAT PLASMA. *Journal of Liquid Chromatography & Related Technologies* (Print), v. 33, p. 526-535, 2010.
25. AZEREDO, Francine Johansson; Uchôa, Flávia De Toni; Dalla Costa, Teresa. Papel da Glicoproteína-P na Farmacocinética e nas Interações Medicamentosas. *Revista Brasileira de Farmácia*, v. 90, p. 321-326, 2009.

Book Chapters

1. ARAUJO, B. V.; AZEREDO, F. J.; PALMA, E. C.; Dalla Costa, T.C. In: Paulo Caleb Júnior de Lima Santos. (Org.). *Livro-Texto de Farmacologia*. 1 ed. Porto Alegre -RS: Atheneu, 2020, v. 1, p. 1-1148, 2020.
2. PALMA, E. C.; ARAUJO, B. V.; Azeredo, F.J.; Dalla Costa, T.C. In: Paulo Caleb de Lima Santos; Fábio Cardoso Cruz; Gustavo José da Silva Pereira; Adriana Castello Costa Girardi. (Org.). *Livro Texto de Farmacologia*. 1 ed. Porto Alegre -RS: Atheneu, 2020, v. 1, p. 1-1148, 2020.

PRESENTATIONS

Invited Presentations

1. "Fluconazole Renal Penetration by Microdialysis". AAPS. New Orleans, Louisiana, 2010.
2. "Anti-fungal PK/PD Modeling", IV Congress Brazilian Association of Pharmaceutical Sciences (ABCF). São Paulo, Brazil, 2018.
3. "Antimicrobial Dose Optimization Based on Microdialysis and PK/PD Modeling", 3rd Iberoamerican Congress of Pharmacometrics. Havana, Cuba, 2019.
4. "The use of microdialysis in translational drug development", 2020 FIP Pharmaceutical Sciences World Congress. Online, 2020.
5. "Pharmacometrics: Innovation and Technology in Health", 2022.
6. "Pharmacokinetics in drug development", 2023
7. "Use of Pharmacometrics in Dosing Optimization", 2023.
8. "PK/PD Modelling of antibiotics to optimize dosing", 2023.

9. "PK/PD Modeling for Optimizing Anti-Infective Therapy", 2023

Invited Full Courses Taught on Pharmacokinetic / Pharmacodynamic Modeling:

1. Azeredo, F.J.; BARTH, A.; DERENDORF, HARTMUT. III Theoretical and Practical Aspects of Pharmacokinetic-Pharmacodynamic Modeling. 2019. Federal University of Bahia, Brazil
2. AZEREDO, F. J.; GODOY, ANA LEONOR P.C. Non-compartmental, compartmental and population pharmacokinetic modeling. 2019. Federal University of Ouro Preto, Brazil
3. Azeredo, F.J.; BARTH, A.; DERENDORF, HARTMUT. II Theoretical and Practical Aspects of Pharmacokinetic-Pharmacodynamic Modeling. 2018. Federal University of Bahia, Brazil.
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