

Curriculum Vitae

Mar 2022

Personal information

Name	Micheli Ferla
Website	micheliferla.github.io
Gender	Female
Date of birth	April 22, 1991
Citizenship	Brazilian, Italian

Education and research experience

2019–2021	M.Sc. Pharmaceutical Sciences (focus: Parasitology) UFRGS (Brazil) Title: “Search for therapeutic targets in purinergic signalling for <i>Trichomonas vaginalis</i> : inhibition of the adenosine transporter” Supervisor: Tiana Tasca Scholarship: CAPES, awarded to selected high-performance master’s students
2011–2018	B.Sc. Pharmacy UFRGS (Brazil) Title: “Anti- <i>Trichomonas vaginalis</i> activity of Brazilian brown propolis fractions” Supervisor: Tiana Tasca
2018–2019	Research Intern – Parasitology GPTrico - UFRGS (Brazil) Project: “Investigating the cytotoxic activity of natural and synthetic products against amitochondrial pathogenic protozoa” Supervisor: Tiana Tasca Activities: in-vitro parasite culture, assessment of minimal inhibitory concentrations, execution of kinetic growth, cytotoxicity, hemolysis and anti-protozoan activity assays
2017–2018	Teaching assistant – Parasitology UFRGS (Brazil) Supervisor: Tiana Tasca Activities: laboratory preparation, assisted students in identifying structures in the microscope, executed laboratory diagnosis methodologies, tutorials
2013–2014	Research Intern – Neurophysiology PPGNeuro - UFRGS (Brazil) Project: “Evaluating early stimuli through enriched environment in hypoxic ischemic encephalopathy: an experimental model” Supervisor: Lenir O. P. Silva Activities: performing hypoxia-ischemia in rats, assessing neurobehavioral development in rats, preparing enriched environments, perfusion of animal brains, histological analysis.

Skills

- General laboratory practices and equipment handling (microscope, pipette, pH meter, centrifuge, weighing, sterilizing, handling glassware, use of PCR machines)

- Histology (staining processes, analyzing frozen sections of animal brains)
- Laboratory animal care (handling, weighing, preparing and cleaning cages, administering injections, preparing and assisting in surgical procedures)
- Executing hemolysis, cytotoxicity, enzymatic, and anti-microorganism activity assays
- In-vitro cell and parasite culture, media preparation
- Statistical analysis of experimental results, technical writing, presentation, teaching

Publications

Micheli Ferla and Tiana Tasca (2021c). “The role of purinergic signaling in *Trichomonas vaginalis* infection.” In: *Current Topics in Medicinal Chemistry* 21.3, pp. 181–192. DOI: [10.2174/1568026620999200904122212](https://doi.org/10.2174/1568026620999200904122212).

Micheli Ferla, Graziela V. Rigo, Juliana I. Weber, Djaceli S. O. Demboghurski, Denise B. Silva, and Tiana Tasca (2018). “Anti-*Trichomonas vaginalis* activity of Brazilian brown propolis fractions.” **Technical report**, Universidade Federal do Rio Grande do Sul.

Micheli Ferla, Graziela V. Rigo, and Tiana Tasca (2022, forthcoming). “The adenosine uptake inhibitor dipyridamole reduces *Trichomonas vaginalis* growth and shows synergism with metronidazole.” In preparation.

Poster sessions and presentations

Micheli Ferla and Tiana Tasca (2019). “Involvement of adenosine and guanosine nucleosides in cellular signaling involved in trichomoniasis pathogenesis.” **Poster presentation** at the XXXV Annual Meeting of the Brazilian Society of Protozoology, Caxambu, Brazil.

Micheli Ferla and Lenir Pereira (2014). “O efeito do enriquecimento ambiental precoce no desenvolvimento dos reflexos neurológicos e no dano tecidual em estriado e córtex cerebral de ratos submetidos à hipóxia isquemia neonatal.” **Poster presentation** at the Symposium for Scientific Initiation (SIC) at Universidade Federal do Rio Grande do Sul, Porto Alegre, Brazil.

Micheli Ferla and Tiana Tasca (2021b). “Involvement of adenosine in serum restriction in cellular signaling involved in trichomoniasis pathogenesis.” **Video/poster presentation** at the X Meeting of Brazilian Purine Club, online.

Micheli Ferla and Tiana Tasca (2021a). “Effect of serum restriction on the enzymatic activity of Ectonucleotidases of *Trichomonas vaginalis*.” **Oral presentation** at the XXVII Congress of the Brazilian Society of Parasitology, online. Candidate for best presentation award among the 5 best presentations in the congress.

Micheli Ferla and Tiana Tasca (2020). “Efeito da restrição de soro na atividade enzimática de ectonucleotidases de *Trichomonas vaginalis*.” **Video/poster presentation** at the V Congress of the Brazilian Association of Pharmaceutical Sciences, online.

Languages

Portuguese	mother tongue
English	professional proficiency
Italian, Spanish	basic understanding