

RESEARCH INTERESTS

- **Natural Language Processing**
- **Text Mining**
- **Bioinformatics**

EXPERIENCE

LASIGE (Faculty of Sciences of the University of Lisbon) PhD Research Fellow – Project: “Deep Semantic Entity Linking”	Lisbon, Portugal Oct 2020–Current
LASIGE (Faculty of Sciences of the University of Lisbon) Research fellow	Lisbon, Portugal Aug 2019 - Sep 2020

EDUCATION

Faculty of Sciences of the University of Lisbon PhD Programme in Informatics , Advisor: Francisco Couto	Lisbon, Portugal 2020–Current
Faculty of Sciences of the University of Lisbon M.S. in Bioinformatics and Computational Biology, GPA: 18/20 – Thesis: “Exploring Biomedical Ontologies, Personalized PageRank and Semantic Similarity” – Available at: https://repositorio.ul.pt/bitstream/10451/39624/1/ulfc125026_tm_Pedro_Ruas.pdf	Lisbon, Portugal 2017–2019
Institute of Tropical Hygiene and Medicine of the NOVA University of Lisbon M.S. in Medical Parasitology, GPA: 17/20 – Thesis: “Association of efflux pump inhibitors with antileishmanial drugs as an alternative treatment for leishmaniasis” – Available at: https://run.unl.pt/bitstream/10362/20657/1/DISSERTACAOFINAL_PEDRORUAS.pdf	Lisbon, Portugal 2014–2017
Faculty of Sciences of the University of Porto B.S. in Biochemistry, GPA: 15/20	Porto, Portugal 2011–2014

AWARDS

- **MAXDATA Informatics Award of Excellence** 2020/2021
– Award given to the best students of the Department of Informatics courses (Faculty of Sciences of the University of Lisbon)

LANGUAGES

- **Portuguese:** Native
- **English:** Full professional proficiency
- **Spanish:** Limited working proficiency
- **French:** Elementary proficiency

SKILLS

- **Python**
- **Machine Learning**
- **Deep Learning**
- **Bash**

SELECTED PUBLICATIONS

- [1] M. Barros, **P. Ruas**, D. Sousa, A. H. Bangash, and F. M. Couto, “COVID-19 recommender system based on an annotated multilingual corpus”, *Genomics & Informatics*, vol. 19, 2021.
- [2] **P. Ruas**, “Deep Semantic Entity Linking”, in *Advances in Information Retrieval - 43rd European Conference on IR Research, ECIR 2021, Virtual Event, March 28 - April 1, 2021, Proceedings, Part II*, D. Hiemstra, M.-F. Moens, J. Mothe, R. Perego, M. Potthast, and F. Sebastiani, Eds., ser. Lecture Notes in Computer Science, vol. 12657, Springer, 2021, pp. 682–687.
- [3] **P. Ruas**, A. Lamurias, and F. M. Couto, “Linking chemical and disease entities to ontologies by integrating PageRank with extracted relations from literature”, *Journal of Cheminformatics*, vol. 12, no. 1, pp. 1–11, 2020, ISSN: 17582946.
- [4] **P. Ruas**, A. Lamúrias, and F. M. Couto, “Towards a multilingual corpus for named entity linking evaluation in the clinical domain”, in *The First International Workshop on Semantic Indexing and Information Retrieval for Health from heterogeneous content types and languages (SIIRH)*, vol. 2619, 2020, pp. 2–4.
- [5] A. Lamurias, **P. Ruas**, and F. M. Couto, “PPR-SSM: Personalized PageRank and semantic similarity measures for entity linking”, *BMC Bioinformatics*, vol. 20, no. 1, pp. 1–12, 2019, ISSN: 14712105.