# Gabriel Baldissera

## Formal Education

Feb. 2020

Bachelor Degree in Biology.
Universidade Federal do Rio Grande do Sul (UFRGS), Porto Alegre - Brazil

Feb. 2014

## Basic Information

**DoB:** Oct/01/1996
**Nationality:** Brazilian
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## Academic Experience and Projects

*Currently*

**University of Toronto (UofT) & UFRGS**
**Fehlings lab - Genetics and development department, Krembil Discovery Tower (KDT)**
**Position:** Summer Exchange Student, work hours/week: 40h.
**Project:** Molecular mechanisms underlying spinal cord regeneration across different vertebrate species
**Activities:** I started a project during my exchange program and now I am working as an independent collaborator from Brazil. I am using RNA-Seq data to obtain the gene expression profile of four vertebrate species after spinal cord injury. I seek to understand their different regeneration capacities.

June 2019

**Project Members:** Gabriel Baldissera; PhD Mohamad Khazaei; MD Christopher Ahuja; MD PhD Michael G. Fehlings (Coordinator).

*June 2019*

**Yale School of Medicine Dietrich SeedLab - Department of Biochemistry UFRGS**
**Position:** Undergraduate research student, work hours/week: 20h.
**Project:** Analysis of the Agrp neuron transcription and translational profile
**Activities:** I developed my Bachelor's thesis in which I analyzed and compared the Agrp transcriptome and translatome utilizing RNA-Seq data from Ribo-tag animals and also single-cell RNA-Seq data.

July 2017

**Project Members:** Gabriel Baldissera; MSc Delva Leão; PhD.MD. Marcelo Dietrich (Coordinator);
**Funding Institution:** CNPQ

July 2017

**UFRGS - Computational and Molecular Biology Laboratory - Biotechnology Center**
**Position:** Undergraduate research student, work hours/week: 20h.
**Project:** Influence of high-fat diet in the cerebellar tissue of Cockayne syndrome mice.
**Activities:** I wrote my own research project which aimed to identify pathways affected by a high-fat-diet and associated to the cerebellar functions rescue.
**Project Members:** Gabriel Baldissera; MSc. Kendi Nishino Miyamoto; PhD. Diego Bonatto (Coordinator).

Jan. 2015

**Funding Institution:** Fundação de Amparo à Pesquisa do Estado do Rio Grande do Sul (FAPERGS).

Dec. 2014

**UFRGS - Computational and Molecular Biology Laboratory - Biotechnology Center**
**Position:** Volunteer undergraduate researcg student, work hours/week: 20h.
**Activities:** I assisted a PhD student who worked with induced pluripotent stem (IPS) cells.

Mar. 2014

**Supervision:** PhD Raquel Calloni; PhD. Diego Bonatto (Coordinator).

## Technical Skills

**Bioinformatics:** R and Bash programming and scripting; Next Generation Sequencing (NGS), single cell RNA-Seq and microarray analysis; Systems biology; network analysis; bioinformatics tools (String, Stich, Cytoscape);
**Wet lab:** Cell culture (mammal and bacterial); medium preparation; electroporation; electrophoresis.

## Languages

English* (Fluent) Italian (Fluent) Portuguese (Fluent) Spanish (Basic)

*Toefl IBT: 113/120

## Honors and Awards

2018, 2017, 2016, 2015 Distinction in the Bioinformatics area - XXX , XXIX, XXVIII, XXVII Scientific Initiation Meeting UFRGS

## Positions of Responsability

2019 Course lecturer of "**Introduction to R programming**" at the "Graduates academic week" of (Class hours: 6 h), 2019. Biosciences Institute - UFRGS.

**Seminars in Biomedical Sciences.** November 20th - 21st, 2017, Medicine School – UFRGS.

2017 Course assistant of "**Introduction to R programming**" at the II Rio Grande do Sul School Bioinformatics (Class hours: 15 h), 2017. Institute of Informatics - UFRGS

2017 **Biology undergraduate academic week: Biology and the Cities.** From May 15th to 19th, 2017. Biosciences Institute - UFRGS. Event webpage:: *https://www.facebook.com/sabiologiaufrgs/*.

## Participation and Abstract Publication on Conferences (Selected)

2016 BALDISSERA, G.; MIYAMOTO, K. N.; BONATTO, D. **Influence of a high-fat diet in the cerebellar tissue of Cockayne Syndrome mice.** Poster presentation in X-meeting-12th International Conference of the Brazilian Association of Bioinformatics and Computational Biology (AB3C), 2016, Federal University of Minas Gerais (UFMG), Belo Horizonte (MG) - Brazil.

2017 BALDISSERA, G.; MIYAMOTO, K. N.; BONATTO, D. **The neuroprotective potential of a high fat diet in Cockayne Syndrome individuals.** Poster presentation in II Rio Grande do Sul School of Bioinformatics, 2017, UFRGS, Porto Alegre (RS) - Brazil.

BALDISSERA, G.; MIYAMOTO, K. N.; BONATTO, D. **O potencial neuroprotetor de uma dieta rica em gordura em indivíduos com Síndrome de Cockayne.** In: XXIX Scientific Initiation Meeting, 2017, UFRGS, Porto Alegre (RS)- Brazil. Annals of the Scientific Initiation Meeting. Poster and abstract available on: *http://hdl.handle.net/10183/175717*

2017 BALDISSERA, G.; LEÃO, D.P; ZIMMER, M.R.; SOUZA, D.O.; DIETRICH, M.O. **Análise do perfil transcricional e translacional de neurônios Agrp.** In: XXX Scientific Initiation Meeting, 2017, UFRGS, Porto Alegre (RS)- Brazil. Annals of the Scientific Initiation Meeting. Poster and abstract available on: *http://hdl.handle.net/10183/192038*

## Referees

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