



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE 4438

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di Bioscienze**

Scientist - in - charge: Prof. Aureliano Bombarely

GIOVANNA CÂMARA GIUDICELLI

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Câmara Giudicelli
Name	Giovanna
Date of birth	17th October 1989

PRESENT OCCUPATION

Appointment	Structure
Research collaborator in Universidade Federal do Rio Grande do Sul (UFRGS, Brazil).	Academic position without scholarship/salary, collaborating with Prof. Loreta B. Freitas and Prof. Caroline Turchetto.

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	Biology	Centro Universitário UNA (Brazil)	2009 - 2012
Specialization	-	-	-
PhD	Sciences (Genetics and Molecular Biology)	Universidade Federal do Rio Grande do Sul (UFRGS, Brazil)	2015 - 2019
Master	Genetics and Molecular Biology	Universidade Federal do Rio Grande do Sul (UFRGS, Brazil)	2013 - 2015
Degree of medical specialization	-	-	-
Degree of European specialization	-	-	-
Other	Undergraduate internship	Universidade Federal de Minas Gerais (UFMG, Brazil)	2010 - 2012



REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date of registration	Association	City
10/01/2019	Society for the Study of Evolution (SSE)	St. Louis, MO, U.S.A.
15/05/2019	American Society of Naturalists (ASN)	U.S.A.

FOREIGN LANGUAGES

Languages	Level of knowledge
Portuguese	Native
English	Fluent
Spanish	Intermediate
Italian	Basic

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
06/2019	Travel award provided by the Society for the Study of Evolution (SSE) and the Brazilian Genetic Society (SBG) to attend the Evolution 2019 (Providence, RI, U.S.A.).
05/2018	Travel grant provided by the European Molecular Biology Organization (EMBO) to attend the EMBO Practical Course Computational Molecular Evolution (Heraklion, Crete, Greece).
10/2017	Honorable mention for the oral presentation " <i>Petunia axillaris</i> ssp. <i>parodii</i> high density genome analysis reveals population differentiation correlated with different ecoregions" at the XIII Brazilian Ecology Congress and III International Symposium of Ecology and Evolution (Viçosa, MG, Brazil).
05/2017 - 08/2017	Scholarship provided by the funding agency CAPES (Brazil) for a Ph.D. interchange supervised by Prof. Aureliano Bombarely in the Department of Horticulture at the University Virginia Tech (Blacksburg, VA, U.S.A.).
03/2013	Award " <i>Portal de Prata</i> " provided by the Centro Universitário UNA (Belo Horizonte, MG, Brazil) for the second-best academic performance in Biology degree in 2013.

TRAINING OR RESEARCH ACTIVITY

Year	Description of activity
10/2018	Teaching Assistance of Dr. Caroline Turchetto during the course "Advanced Topics in Plant Biology: Phylogeographic Analysis", organized by the Botany Department of the Universidade Federal de Pernambuco (UFPE, Brazil).
09/2018	Lecture "Evolution concepts" at the CESUCA Faculty (Brazil).
05/2018	EMBO Practical Course Computational Molecular Evolution (Crete, Greece).
10/2017	Teaching Assistance of Dr. Aureliano Bombarely during the course "Genomic Data Analysis", organized by the Genetics Department of the Universidade Federal do Rio Grande do Sul (UFRGS, Brazil).



05/2017 - 08/2017	Ph.D. interchange at the Department of Horticulture in the University Virginia Tech (Blacksburg, VA, U.S.A.), supervised by Prof. Aureliano Bombarely.
06/2016	Course “XII Bioinformatic Course”, organized by the laboratory LaCTAD, at the Universidade Estadual de Campinas (UNICAMP, Brazil).
07/2016	Course “Introduction to R”, organized by the Pontifícia Universidade Católica do Rio Grande do Sul (PUCRS, Brazil).
02/2016	Course “1st Summer School of Bioinformatics”, at the Universidade Federal de São Paulo (UNIFESP, Brazil).
11/2014	Course “Reconstructing past demography with Approximate Bayesian Computation (ABC) and population genetic data”, organized by Dr. Vitor Martins Conde Sousa (UNIBE, Bern, Switzerland), at the Universidade Federal do Rio Grande do Sul (UFRGS, Brazil).
11/2012	Course “Plants Conservation Genetics”, organized by the Brazilian Botanical Society during the 63th Brazilian Botanical Congress (Joinville, SC, Brazil).
09/2010 - 07/2012	Internship at the Botany Department of the Universidade Federal de Minas Gerais (UFMG, Brazil), supervised by Prof. João Renato Stehmann.
03/2010 - 07/2010	Laboratory Teaching Assistant of Cytology and Histology at the Centro Universitário UNA (Belo Horizonte, MG, Brazil).

PROJECT ACTIVITY

Year	Project
2019 - current	<p>Project: Species diversification in <i>Nicotiana</i> L. (Solanaceae) from the South region of South America: an integrative approach.</p> <p>Activity: Research collaborator in Prof. Caroline Turchetto laboratory (Botany Department, Universidade Federal do Rio Grande do Sul, Brazil).</p>
2019 - current	<p>Project: Molecular phylogeny and phylogeography in <i>Nicotianeae</i> G. Don. (Solanaceae) species.</p> <p>Activity: Research collaborator in Prof. Loreta B. Freitas laboratory (Genetics Department, Universidade Federal do Rio Grande do Sul, Brazil).</p>
2015 - 2019	<p>Project: Plant diversification processes in the Southern Cone.</p> <p>Activity: Ph.D. project supervised by Prof. Loreta B. Freitas (Genetics Department, Universidade Federal do Rio Grande do Sul, Brazil). During this project I developed research in the following topics: plants diversification and speciation, population genetics and structure, genetic diversity, <i>Petunia</i> genus, morphometric analysis, phylogeography, bioinformatics, tools to analyze genomic data, next-generation sequencing techniques, and preparation of genomic libraries.</p>
2013 - 2015	<p>Project: Evaluation of the molecular marker Internal Transcribed Spacer (ITS) for evolutionary studies in <i>Passiflora</i> L. (Passifloraceae) genus.</p> <p>Activity: Master project supervised by Prof. Loreta B. Freitas (Genetics Department, Universidade Federal do Rio Grande do Sul, Brazil). During this project I developed research in the following topics: alignment methods and phylogenetic analyzes, DNA barcoding and secondary structure.</p>



2010 - 2012	<p>Project: Genetic and morphological variability of <i>Solanum rufescens</i> Sendtn. (Solanaceae), an endemic species complex from the Atlantic Forest.</p> <p>Activity: Internship project supervised by Prof. João Renato Stehmann (Botany Department, Universidade Federal de Minas Gerais, Brazil). During this project I developed research in the following topics: plants taxonomy and genetic variability.</p>
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PATENTS

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CONGRESSES AND SEMINARS

Date	Title	Place
06/2019	Evolution 2019	Providence, RI, U.S.A.
03/2019	V Summer Course in Evolutionary Biology	Porto Alegre, RS, Brazil
07/2018	IV Winter Course in Evolutionary Biology	Porto Alegre, RS, Brazil
05/2018	EMBO Practical Course Computational Molecular Evolution	Heraklion, Crete, Greece
10/2017	XIII Brazilian Ecology Congress and III International Symposium of Ecology and Evolution	Viçosa, MG, Brazil
10/2017	Botanical Spring: botany studies workshop	Porto Alegre, RS, Brazil
06/2017	Evolution 2017	Portland, OR, U.S.A.
10/2016	XVI Latin-American Genetic Congress	Montevideo, Uruguay
11/2015	5th Porto Alegre Biological Evolution Workshop	Porto Alegre, RS, Brazil
10/2015	11th International Congress of Plant Molecular Biology	Foz do Iguaçu, PR, Brazil
08/2014	60th Brazilian Genetic Congress	Guarujá, SP, Brazil
11/2013	4th Porto Alegre Biological Evolution Workshop	Porto Alegre, RS, Brazil
11/2012	63th Brazilian Botanical Congress	Joinville, SC, Brazil
08/2011	62th Brazilian Botanical Congress	Fortaleza, CE, Brazil
09/2010	56th Brazilian Genetic Congress	Guarujá, SP, Brazil
09/2010	61th Brazilian Botanical Congress	Manaus, AM, Brazil

PUBLICATIONS

Books



Articles in reviews
Giudicelli GC , Turchetto C, Silva-Arias GS, Freitas LB (2019) Influence of climate changes on the potential distribution of a widespread grassland species in South America. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> . DOI: 10.1016/j.ppees.2019.125496.
Giudicelli GC , Turchetto C, Teixeira MC, Freitas LB (2019) Morphological and genetic characterization in putative hybrid zones of <i>Petunia axillaris</i> subsp. <i>axillaris</i> and subsp. <i>parodii</i> (Solanaceae). <i>Botanical Journal of the Linnean Society</i> . DOI: 10.1093/botlinnean/boz057.
Giudicelli GC , Mäder G, Silva-Arias GA, Zamberlan PM, Bonatto SL, Freitas LB (2017) Secondary structure of nrDNA Internal Transcribed Spacers as a useful tool to align highly divergent species in phylogenetic studies. <i>Genetics and Molecular Biology</i> 40(1), 191-199. DOI: 10.1590/1678-4685-gmb-2016-0042.
Giudicelli GC , Mäder G, Freitas LB (2015) Efficiency of ITS Sequences for DNA Barcoding in <i>Passiflora</i> (Passifloraceae). <i>International Journal of Molecular Sciences</i> 16(4), 7289-7303. DOI: 10.3390/ijms16047289.

Congress proceedings	
06/2019	Oral and poster presentations at the Evolution 2019 (Providence, RI, U.S.A.): "Population genomic reveals evolutionary key in widespread species in South America grasslands".
03/2019	Oral presentation at the V Summer Course in Evolutionary Biology (Porto Alegre, RS, Brazil): "Why do we hate so much to study plants?".
07/2018	Oral presentation at the IV Winter Course in Evolutionary Biology (Porto Alegre, RS, Brazil): "The Evolution of the Pampas biome".
05/2018	Poster presentation at the EMBO Practical Course Computational Molecular Evolution (Heraklion, Crete, Greece): "High density genomic analysis reveals genetic structure in two South America grasslands ecoregions".
10/2017	Oral presentation at the XIII Brazilian Ecology Congress and III International Symposium of Ecology and Evolution (Viçosa, MG, Brazil): " <i>Petunia axillaris</i> ssp. <i>parodii</i> high density genome analysis reveals population differentiation correlated with different ecoregions".
10/2017	Oral presentation at the Botanical Spring: botany studies workshop (Porto Alegre, RS, Brazil): "Delimit species or identify evolutionary lineages?".
06/2017	Poster presentation at the Evolution 2017 (Portland, OR, U.S.A.): "Has climatic oscillation influenced the <i>P. axillaris</i> evolutionary history?".
10/2016	Poster presentation at the XVI Latin-American Genetic Congress (Montevideo, Uruguay): "Hybrid identification and genetic diversity in <i>Petunia axillaris</i> complex".
10/2015	Poster presentation at the 11th International Congress of Plant Molecular Biology (Foz do Iguaçu, PR, Brazil): "ITS sequences and secondary structure: DNA barcoding and a tool to improve alignments in <i>Passiflora</i> ".
08/2014	Poster presentation at the 60th Brazilian Genetic Congress (Guarujá, SP, Brazil): "nrDNA as a DNA barcoding in <i>Passiflora</i> ".
11/2012	Poster presentation at the 63th Brazilian Botanical Congress (Joinville, SC, Brazil): "A new species from <i>Solanum</i> L. (Solanaceae) in the Atlantic Forest of Southeast region in Brazil, separated from <i>S. rufescens</i> Sendtn. Species complex".
08/2011	Poster presentation at the 62th Brazilian Botanical Congress (Fortaleza, CE, Brazil): "The occurrence of the species complex <i>Solanum rufescens</i> Sendtn. (Solanaceae) in the Atlantic Forest of Southeast and South regions in Brazil".



OTHER INFORMATION

Since 05/2018 I'm part of the group "Evolutionary Thought". We are a group composed by post-graduation students from different areas of the Universidade Federal do Rio Grande do Sul (UFRGS, Brazil). We organize both Winter and Summer Course in Evolutionary Biology. Those courses are mainly focused in Science/Biology teachers from public schools and Biology undergraduate students, although other people can attend the course. Our major aim is to promote communication between the University and the population about Biological Evolution and related topics. The group published in 2017 the book "Biological Evolution: from the research to the teaching" (available for free at www.editorafi.org/240biologia, in Portuguese). This book is currently being reviewed for a new edition and I'm responsible for one chapter. We also have a website (www.pensamentoevolutivo.com) and a Facebook page (www.facebook.com/pensamentoevolutivo), both in Portuguese.

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Porto Alegre (Brazil), 3rd December 2019.

Alfio Celli