

# Cristiane Hayumi Taniguti | CV

- » email: [cht47@cornell.edu](mailto:cht47@cornell.edu) or [chaytaniguti@gmail.com](mailto:chaytaniguti@gmail.com)
- » webpage: [cristianetaniguti.github.io](https://cristianetaniguti.github.io)
- » Programming languages: R, Bash, WDL
- » Languages: Portuguese (native), English
- » Operational Systems: Unix|Linux, Mac, Windows
- » Computer skills: GitHub, L<sup>A</sup>T<sub>E</sub>X, Markdown, RStudio, VS Code, Docker, Emacs, Office 365, Inkscape, Shiny

I am currently working as a Genomics Coordinator with the Breeding Insight Program at Cornell University. My role in this position involves performing and providing assistance in genomic analysis for specialty crops to USDA plant breeders across the United States. I also coordinate communication between the Breeding Insight team and breeders for two of the 23 species supported by the Program. Some of the species involved in the Program include alfalfa, blueberry, sweet potato, cranberry, strawberry, coffee, hydrangea, salmon, and honeybee.

I also work as a developer and maintainer of several software tools: [OneMap](#), for building linkage maps in diploid inbred and outcrossing species; [Reads2Map](#), a collection of bioinformatic workflows to build linkage maps from sequencing data; [VIEWpoly](#), a Shiny app that facilitates the visualization and integration of genetic analysis results for polyploid species; and Qploidy, for aneuploidy identification using molecular marker data (under development). I am also a contributor to [MAPpoly](#) software for linkage map building in polyploid species. I frequently assist users with linkage mapping in multiple species while continually enhancing the software based on user feedback and evolving research demands.

Previously, I worked as a Postdoctoral Research Associate in the [Texas A&M University Rose Breeding and Genetics Program](#) at the Horticultural Sciences Department, focusing on developing computational tools for polyploid species genetic analysis as part of the [Tools for Polyploids Project](#).

For my Ph.D., I concentrated on developing novel methods and algorithms to build genetic maps in highly heterozygous diploid species using markers generated from modern sequencing technologies. This work not only contributed to advancements in the OneMap software for building linkage maps but also led to the development of a collection of bioinformatic workflows called Reads2Map. These workflows provide guidance on best practices for performing and comparing different methods for SNP calling, dosage calling, and linkage map building.

During my master's studies, I delved deeper into SNP and genotype calling methods and built an integrated genetic map for an outcrossing population from the cross of *Eucalyptus grandis* x *Eucalyptus urophylla*.

During my undergraduate studies, I engaged in various scientific initiation projects, including the organic chemistry of fungal mycotoxins, cellular regulation of CNC transcription factors, QTL studies for fat deposition in mice, differential expression studies in *Anastrepha obliqua*, and SNP calling in a sugarcane Genotyping-by-Sequencing (GBS) dataset. These experiences provided me with a solid foundation in laboratory techniques such as chromatography, cell cultures, western blotting, RNAi, and RT-PCR.

My other interests include QTL mapping, emerging technologies in molecular biology and sequencing, phenotyping methods, genome selection, and genome-wide association studies.

## »»» Education

2017-2021  
(4 years)

Ph.D. in Genetics and Plant Breeding

University of São Paulo –  
ESALQ/USP

- » Title: Building highly saturated genetic maps with OneMap 3.0: new approaches using workflows
- » Advisor: Prof. Antonio Augusto Franco Garcia
- » Statistical Genetics Laboratory

2015-2017 (2 years)	Master Degree in Genetics and Plant Breeding	University of São Paulo – ESALQ/USP
<ul style="list-style-type: none"> <li>» Title: Development of an integrated genetic map for a full-sib progeny from crossing between <i>Eucalyptus grandis</i> and <i>Eucalyptus urophylla</i></li> <li>» Advisor: Prof. Antonio Augusto Franco Garcia</li> <li>» Statistical Genetics Laboratory</li> </ul>		
2009 – 2014 (5 years)	Bachelor's Degree in Biotechnology	Federal University of São Carlos – UFSCar
<ul style="list-style-type: none"> <li>» Title: Gene expression of <i>Anastrepha obliqua</i> male tissue libraries</li> <li>» Advisor: Prof. Reinaldo Alvarenga Alves de Brito</li> <li>» Population Genetics and Evolution Laboratory</li> </ul>		
»»» Experience		
2024 - present	Genomics Coordinator	Breeding Insight Cornell University
<ul style="list-style-type: none"> <li>» Funded by USDA through Cornell University</li> <li>» Supervisor: Dongyan Zhao</li> </ul>		
2021 - 2024	Postdoctoral Research Associate	Texas A&M University Department of Horticultural Sciences
<ul style="list-style-type: none"> <li>» Funded by USDA SCRI grant: "Tools for Genomic-Assisted Breeding in Polyploids" Grant No. 2020-51181-32156</li> <li>» Supervisor: Oscar Riera-Lizarazu and David Byrne</li> <li>»</li> </ul>		
2014	Intern	Sugarcane Technology Center CTC
<ul style="list-style-type: none"> <li>» Topic: SNP calling in sugarcane GBS dataset</li> <li>» Supervisor: Sabrina Chabregas</li> <li>»</li> </ul>		
2012 (3 months)	Summer student	McGill University MCGILL
<ul style="list-style-type: none"> <li>» Title: Cellular regulation of CNC transcription factors</li> <li>» Advisor: Prof. Volker Blank</li> <li>» Division of Experimental Medicine</li> </ul>		
2009-2010	Technical training	Accert! Chemistry and Biotechnology
<ul style="list-style-type: none"> <li>» Topic: Studies in commercial important mycotoxin production by <i>Fusarium sp.</i></li> <li>» Supervisor: Rodrigo Facchini Magnani</li> </ul>		

## Publications

Refereed articles for which reprints are available:

- Article **TANIGUTI, C. H.**, TANIGUTI, L. M.; AMADEU, R. R.; LAU, J.; DE SIQUEIRA GESTEIRA, G.; OLIVEIRA, T. D. P.; FERREIRA, G. C.; PEREIRA, G. D. S.; BYRNE, D.; MOLLINARI, M.; RIERA-LIZARAZU, O.; GARCIA, A. A. F. Developing best practices for genotyping-by-sequencing analysis in the construction of linkage maps. **GigaScience**. doi: <https://doi.org/10.1093/gigascience/giad092>, 2023.
- Article LAU, J.; GILL, H.; **TANIGUTI, C. H.**; YOUNG, E.; KLEIN, P. E.; BYRNE, D. H.; RIERA-LIZARAZU, O. QTL discovery for resistance to black spot and cercospora leaf spot, and defoliation in two interconnected F1 bi-parental tetraploid garden rose populations. **Frontiers in Plant Science**. doi:10.3389/fpls.2023.1209445, 2023.
- Article HOCHHAUS, T.; LAU, J.; **TANIGUTI, C. H.**; YOUNG, E. L.; BYRNE, D. H.; RIERA-LIZARAZU, O. Meta-Analysis of Rose Rosette Disease-Resistant Quantitative Trait Loci and a Search for Candidate Genes. **Pathogens**. doi: 10.3390/pathogens12040575. 2023.
- Article **TANIGUTI, C. H.**; GESTEIRA, G. S.; LAU, J.; PEREIRA, G. S.; ZENG, Z. B.; BYRNE, D. H.; RIERA-LIZARAZU, O.; MOLLINARI, M. VIEWpoly: a visualization tool to integrate and explore results of polyploid genetic analysis. **Journal of Open Source Software**. doi: 10.21105/joss.04242, 2022.
- Article RAVERDY, R.; LOURGANT, K.; MIGNOT, E.; ARNOULT, S.; BODINEAU, G.; GRIVEAU, Y.; **TANIGUTI, C. H.**; BRANCOURT-HULMEL, M. Linkage Mapping of Biomass Production and Composition Traits in a *Miscanthus sinensis* Population. **BioEnergy Research**, doi: 10.1007/s12155-022-10402-8, 2022.
- Article ALMEIDA, C. P.; PAULINO, J. F. de C. ; BONFANTE, G. F. J. ; PERSEGUINI, J. M. K. C. ; SANTOS, I. L. ; GONÇALVES, J. G. R. ; PATRÍCIO, F. R. A. ; **TANIGUTI, C. H.**; GESTEIRA, G. de S. G.; GARCIA, A. A. F. ; SONG, Q. ; CARBONELL, S. A. M. ; CHIORATO, A. F.; BENCHIMOL-REIS, L. L. Angular Leaf Spot Resistance *Loci* Associated With Different Plant Growth Stages in Common Bean. **Frontiers in Plant Science**, doi: 10.3389/fpls.2021.647043, 2021.
- Article CONSON, A. R. O.; **TANIGUTI, C. H.**; AMADEU, R. R.; ANDREOTTI, I. A. A.; DE SOUZA, L. M.; DO SANTOS, L. H. B.; DE SOUZA, A. P. High-resolution genetic map and QTL analysis of growth-related traits of *Hevea brasiliensis* cultivated under suboptimal temperature and humidity conditions. **Frontiers in Plant Science**, doi: 10.3389/fpls.2018.01255, 2018.
- Article NAKAMURA, A. M.; CHAHAD-EHLERS, S.; LIMA, A. L. A.; **TANIGUTI, C. H.**; SOBRINHO Jr, I.; TORRES, F. R.; DE BRITO, R. A. Reference genes for accessing differential expression among developmental stages and analysis of differential expression of OBP genes in *Anastrepha obliqua*. **Scientific Reports**, doi: 10.1038/srep17480, 2016.

Available as pre-print:

- Article GAZAFFI, R.; AMADEU, R. R.; MOLLINARI, M.; ROSA, J. R. B. F.; **TANIGUTI, C. H.**; MARGARIDO, G. R. A.; GARCIA, A. A. F. . fullsibQTL: an R package for QTL mapping in biparental populations of outcrossing species. **BioRxiv**, doi: 10.1101/2020.12.04.412262, 2020.

## Software

As principal developer:

- 2023 **TANIGUTI, C. H.**; TANIGUTI, L. M. **Reads2Map**: WDL workflows to build genetic maps from sequencing reads. Available on GitHub: <https://github.com/Cristianetaniguti/Reads2Map>
- 2023 **TANIGUTI, C. H.**. **Reads2MapApp**: Shiny app to evaluate Reads2Map workflows results. Available on GitHub: <https://github.com/Cristianetaniguti/Reads2MapApp>

2022 **TANIGUTI, C. H.**; LAU, J. ; ANGELIN-BONNET, O.; GESTEIRA, G. S. ; PEREIRA, G. S. ; BYRNE, D. ; ZENG, Z. B. ; THOMSON, S.; MOLLINARI, M.; RIERA-LIZARAZU, O. **VIEWpoly**: R package to visualize genetic maps and QTL analysis. Available on CRAN and GitHub: <https://github.com/mmollina/viewpoly>

2017 MARGARIDO, G. R. A; MOLLINARI, M.; **TANIGUTI, C. H.**; FERREIRA, G.; AMADEU, R. R.; LAU, J.; BROMAN, K.; PREEDY, K.; SCHIFFTHALER, B.; GARCIA, A. A. F. **OneMap**: Construction of Genetic Maps in Experimental Crosses. Responsible for maintaining and update the package since 2017. Package available on CRAN and GitHub: <https://github.com/Cristianetaniguti/onemap>

As collaborator:

2023 MOLLINARI, M.; GESTEIRA, G.; **TANIGUTI, C. H.**; LAU, J.; PEREIRA, G. S.; GARCIA, A. A. F.; ZENG, Z. B.; PREEDY, K.; GENTLEMEN, R.; IHAKA, R. **MAPpoly**: Genetic Linkage Maps in Autopolyploids. Available on CRAN and GitHub: <https://github.com/mmollina/MAPpoly>

2020 GAZAFFI, R.; AMADEU, R; **TANIGUTI, C. H.**; MOLLINARI, M.; MARGARIDO, G.; ROSA, J.; BROMAN, K.; GARCIA, A. A. F. **fullsibQTL**: Software for QTL Mapping using a Full-Sib Progeny. Available on GitHub: <https://github.com/augusto-garcia/fullsibQTL>

## »»» Awards

2023 Postdoctoral Scholar Travel Award - Texas A&M University

2021 Market Ready Prize - Cornell Institute Digital Agriculture Hackathon 2021

2018 WikiProject Computational Biology/ISCB award 2018 - International Society for Computational Biology (ISCB) and WikiProject Computational Biology

2017 Best Poster Award - Brazilian Association for Bioinformatics and Computational Biology

## »»» Oral presentation in events

2024 **TANIGUTI, C. H.**; LAU, J.; MOLLINARI, M.; BYRNE, D.; RIERA-LIZARAZU, O. Computational Tools for Genetic Analysis of Polyploid Crops. **Texas A&M Plant Pathology and Microbiology Department Seminar**. College Station (TX), United States.

2024 **TANIGUTI, C. H.**; TANIGUTI, L. M.; LAU, J.; GARCIA, A. A.; MOLLINARI, M.; BYRNE, D.; RIERA-LIZARAZU, O. Benchmarking Genotyping-by-Sequencing Pipelines with Linkage Maps. **XXXI Plant & Animal Genome Conference, Linkage and Deletion Mapping Workshop**. San Diego (CA), United States.

2024 **TANIGUTI, C. H.**; LAU, J.; BYRNE, D.; RIERA-LIZARAZU, O. Investigating Ploidy and Aneuploidy Patterns Among Rosa spp. and the Effect on Linkage Analysis. **XXXI Plant & Animal Genome Conference, Landscape Trees and Shrubs Workshop**. San Diego (CA), United States.

2024 **TANIGUTI, C. H.**; TANIGUTI, L. M.; LAU, J.; GARCIA, A. A.; MOLLINARI, M.; BYRNE, D.; RIERA-LIZARAZU, O. Reads2Map updates: Benchmarking Genotyping-by-Sequencing Pipelines for Polyploids Using Linkage Maps. **Tools for Polyploids Workshop**. San Diego (CA), United States.

2024 **TANIGUTI, C. H.**; LAU, J.; BYRNE, D.; RIERA-LIZARAZU, O. Ploidy and Aneuploidy Determination in a Collection of Rosa spp. Accessions and the Impact of Aneuploidy on Linkage Analysis. **Tools for Polyploids Workshop**. San Diego (CA), United States.

2024 **TANIGUTI, C. H.**; GESTEIRA, G. S.; LAU, J.; PEREIRA, G.; BYRNE, D.; ZENG, ZB.; MOLLINARI, M.; RIERA-LIZARAZU, O. VIEWpoly updates: An Interactive Visualization Tool for Linkage Analysis Results of Diploid and Polyploid Species. **Tools for Polyploids Workshop**. San Diego (CA), United States.

- 2023 **TANIGUTI, C. H.**, TANIGUTI, L. M.; AMADEU, R. R.; LAU, J.; DE SIQUEIRA GESTEIRA, G.; OLIVEIRA, T. D. P.; FERREIRA, G. C.; Pereira, G. D. S.; BYRNE, D.; MOLLINARI, M.; RIERA-LIZARAZU, O.; GARCIA, A. A. F. Selecting best bioinformatic pipeline for evaluating diploid and auto-tetraploid garden roses genotyping-by-sequence data. **XXX Plant & Animal Genome Conference**. San Diego (CA), United States.
- 2023 **TANIGUTI, C. H.**, TANIGUTI, L. M.; AMADEU, R. R.; LAU, J.; DE SIQUEIRA GESTEIRA, G.; OLIVEIRA, T. D. P.; FERREIRA, G. C.; Pereira, G. D. S.; BYRNE, D.; MOLLINARI, M.; RIERA-LIZARAZU, O.; GARCIA, A. A. F. Reads2map: Practical and Reproducible Workflows to Build Polyploid Linkage Maps from Sequencing Data. **Tools for Polyploids Workshop**. San Diego (CA), United States.
- 2022 **TANIGUTI, C. H.**, DE SIQUEIRA G. G.; MOLLINARI, M. Genetic data analysis in polyploids: from allelic dosage to QTL mapping. **GVENCK workshop**. Remote, hosted in Piracicaba (SP), Brazil.
- 2022 **TANIGUTI, C. H.**, TANIGUTI, L. M.; AMADEU, R. R.; LAU, J.; DE SIQUEIRA GESTEIRA, G.; OLIVEIRA, T. D. P.; FERREIRA, G. C.; Pereira, G. D. S.; BYRNE, D.; MOLLINARI, M.; RIERA-LIZARAZU, O.; GARCIA, A. A. F. Reads2map: Practical and Reproducible Workflows to Build Linkage Maps from Sequencing Data. **Tools for Polyploids Workshop**. Remote, hosted in College Station (TX), United States.
- 2022 **TANIGUTI, C. H.**; GESTEIRA, G. S.; LAU, J.; PEREIRA, G. S.; ZENG, Z. B.; BYRNE, D. H.; RIERA-LIZARAZU, O.; MOLLINARI, M. VIEWpoly: An Interactive Tool to Visualize, Explore and Integrate Genetic Maps and QTL Analysis with Genomic Information. **XXIX Plant & Animal Genome Conference**. Remote, hosted in San Diego (CA), United States.
- 2020 **TANIGUTI, C. H.**; CORRER, F. H. Plant Biotechnology: from domestication to modern plant breeding. **BiotecLives**. Remote, hosted in Santa Cruz do Sul (RS), Brazil.
- 2019 **TANIGUTI, C. H.**; DIAS, K. O. Talk "Statistical Genetics in Breeding 4.0". **Workshop in Genetics and Plant Breeding (ESALQ/USP)**. Piracicaba (SP), Brazil.

## »» Teaching and Training Courses

- 2023 MOLLINARI, M.; **TANIGUTI, C. H.**. Building Linkage Map for Inbred Diploid Populations with OneMap. 1 hour course. Part of the course "Theoretical and Practical Aspects of Linkage Analysis in Diploids and Polyploids" presented to **USDA/Breeding Insight group**. Remote, hosted in Ithaca (NY), United States.
- 2023 CORRER, F. H.; **TANIGUTI, C. H.**. Linkage and Recombination. 2 hour course. Part of the summer course in Genetics of **Montana State University**. Remote, hosted in Bozeman (MT), United States.
- 2023 **TANIGUTI, C. H.**; ANGELIN-BONNET, O.; GESTEIRA, G. S.; LAU, J.; PEREIRA, G. S.; ZENG, Z. B.; THOMSON, S.; BYRNE, D. H.; MOLLINARI, M.; RIERA-LIZARAZU, O. VIEWpoly + HIDEKAN: Usage demonstration of VIEWpoly updates and the integration with HIDEKAN package. 1 hour course. **Tools for Polyploids Training Workshop**. Nelson, New Zealand.
- 2023 **TANIGUTI, C. H.**, TANIGUTI, L. M.; AMADEU, R. R.; LAU, J.; DE SIQUEIRA GESTEIRA, G.; OLIVEIRA, T. D. P.; FERREIRA, G. C.; Pereira, G. D. S.; BYRNE, D.; MOLLINARI, M.; RIERA-LIZARAZU, O.; GARCIA, A. A. F. Reads2Map: Usage demonstration in a High-Performance Computing environment. 1 hour course. **Tools for Polyploids Training Workshop**. Nelson, New Zealand.
- 2022 CORRER, F. H.; **TANIGUTI, C. H.**. Linkage and Recombination. 2 hour course. Part of the summer course in Genetics of **Montana State University**. Remote, hosted in Bozeman (MT), United States.
- 2022 **TANIGUTI, C. H.**; LAU, J.; GESTEIRA, G. S.; CARAZA-HARTER, M. Computational Support session for SNP and Dosage calling. 2 hours sessions. **Tools for Polyploids Project**. Remote, hosted in College Station (TX), United States.
- 2021 **TANIGUTI, C. H.**; ARAUJO, W.; GODOY, C.; DIAS, K. O. Update on Statistical Tools Applied to Plant Breeding. 8 hours course. **Epagri - Research Center for Family Agriculture**. Remote, hosted in Piracicaba (SP), Brazil.

- 2021 **TANIGUTI, C. H.**; CORRER, F. H; HOSAKA, G. Short course “R introduction and applications in genetics”. 4 hours course. **11 Integrated Undergraduate and Graduate Week, São Carlos Institute of Physics**. Remote, hosted in São Carlos (SP), Brazil.
- 2021 **TANIGUTI, C. H.**; CORRER, F. H; HOSAKA, G. Short course “R introduction”. 4 hours course. Part of the course for graduate students “Biometrics of Genetic Markers”, **Department of genetics, ESALQ/USP**. Remote, hosted in Piracicaba (SP), Brazil.
- 2020 **TANIGUTI, C. H.**; CORRER, F. H. Short course “R introduction and applications in genetics”. 4 hours course. **X Four Biotec, Federal University of São Carlos**. Remote, hosted in São Carlos (SP), Brazil.
- 2020 **TANIGUTI, C. H.**. SNP and genotype calling in GBS data - A practical guide. 2 hours course. **Conservation Genetics and Genomics Group, ESALQ/USP**. Remote, hosted in Piracicaba (SP), Brazil.
- 2020 **TANIGUTI, C. H.**; GARCIA, A. L.; PESSOA, V. H. M. Short course “R programming training”. 12 hours course. Training organized by extension group **GENT, Department of Genetics, ESALQ/USP**. Piracicaba (SP), Brazil.
- 2019 **TANIGUTI, C. H.**; GARCIA, A. A. F. Teaching assistant in the Genetic Marker Biometry course for graduate students. 4 hours course weekly during one semester. **ESALQ/USP**. Piracicaba (SP), Brazil.
- 2018 **TANIGUTI, C. H.**; CORRER, F. H; BATISTA, L.; GARCIA, A. L. “R Introduction Short Course”. 6 hours course. **XII Genetics and Plant Breeding Workshop, Department of Genetics, ESALQ/USP**. Piracicaba (SP), Brazil.
- 2018 **TANIGUTI, C. H.**; CORRER, F. H; GESTEIRA, G. S.; GARCIA, A. L.; AVELAR, A.; HOSAKA, G. “Introduction to R data analysis”. 12 hours course. Training organized by the extension group **GVENCK, Department of Genetics, ESALQ/USP**. Piracicaba (SP), Brazil.
- 2018 **TANIGUTI, C. H.**; GARCIA, A. A. F. Lecture in the discipline Molecular Biology Applied to Plant Breeding with the talk “Building genetic maps, QTL mapping and applications in Plant Breeding” for graduate students. 4 hours course. **Agronomic Institute of Campinas (IAC)**. Campinas (SP), Brazil.
- 2017 **TANIGUTI, C. H.**; CORRER, F. H. “R Introduction Short Course”. 4 hours course. **Plant Ecological Genetics Lab, Department of Genetics, ESALQ/USP**. Piracicaba (SP), Brazil.
- 2017 **TANIGUTI, C. H.**; KRAUSE, M. “R Introduction and Applications to Genetics and Plant Breeding”. 6 hours course. **XI Genetics and Plant Breeding Winter Workshop, Department of Genetics, ESALQ/USP**. Piracicaba (SP), Brazil.
- 2017 **TANIGUTI, C. H.**; GARCIA, A. A. F. Teaching assistant of the Genetic course for undergrad students. 4 hours course weekly during one semester. **ESALQ/USP**. Piracicaba (SP), Brazil.
- 2016 **TANIGUTI, C. H.**; AMADEU, R. R.; CORRER, F. H.; LARA, L.; QUEZADA, M. “Introduction to the R platform”. 4 hours course. **X Genetics and Plant Breeding Workshop, Department of Genetics, ESALQ/USP**. Piracicaba (SP), Brazil.
- 2015 **TANIGUTI, C. H.**; LARA, L.; QUEZADA, M. “Introduction to R and Genetic Mapping”. 4 hours course. **IX Genetics and Plant Breeding Workshop, Department of Genetics, ESALQ/USP**. Piracicaba (SP), Brazil.

## Poster presentations

- Abstract **TANIGUTI, C. H.**; LAU, J.; BYRNE, D. & RIERA-LIZARAZU. Qploidy: ploidy and aneuploidy determination for polyploids species. **The Allied Genetics Conference**. Washington DC, United States. Year: 2024.
- Abstract **TANIGUTI, C. H.**; LAU, J.; BYRNE, D. & RIERA-LIZARAZU. A survey of ploidy and aneuploidy in a collection of Rosa spp. accessions and the impact of aneuploidy on linkage analysis. **XXXI Plant and Animal Genome Conference**. San Diego (CA), United States. Year: 2024.
- Abstract **TANIGUTI, C. H.**; GESTEIRA, G. S. ; LAU, J. ; PEREIRA, G. S. ; BYRNE, D. ; ZENG, Z. B. ; RIERA-LIZARAZU O. & MOLLINARI, M. . VIEWpoly: An interactive tool for mining results from genetic mapping analysis in autopolyploid species. **Advances in Genome Biology and Technology Conference**. San Antonio (TX), United States. Year: 2023.



- Abstract** **TANIGUTI, C. H.**; TANIGUTI, L. M. ; GESTEIRA, G. S. ; OLIVEIRA, T. P. ; LAU, J. ; FERREIRA, G. C. ; AMADEU, R. R. ; BYRNE, D. ; RIERA-LIZARAZU O. ; PEREIRA, G. S. ; MOLLINARI, M. & GARCIA, A. A. F.. Comparing genotype calling software performance in Genotyping-by-Sequencing data of outcrossing population based on genetic maps quality. **30th Conference on Intelligent Systems for Molecular Biology**. Madison (WI), United States. Year: 2022.
- Abstract** **TANIGUTI, C. H.**; TANIGUTI, L. M. ; GESTEIRA, G. S. ; OLIVEIRA, T. P. ; LAU, J. ; FERREIRA, G. C. ; AMADEU, R. R. ; BYRNE, D. ; RIERA-LIZARAZU O. ; PEREIRA, G. S. ; MOLLINARI, M. & GARCIA, A. A. F. . Reads2Map: Practical and Reproducible Workflows to Build Linkage Maps from Sequencing Data. **XXIX Plant & Animal Genome Conference**. Remote, hosted in San Diego (CA), United States. Year: 2022.
- Abstract** **TANIGUTI, C. H.**; GESTEIRA, G. S. ; LAU, J. ; PEREIRA, G. S. ; BYRNE, D. ; ZENG, Z. B. ; RIERA-LIZARAZU O. & MOLLINARI, M. . VIEWpoly: An interactive tool to visualize, explore and integrate genetic maps and QTL analysis with genomic information. **XXIX Plant & Animal Genome Conference**. Remote, hosted in San Diego (CA), United States. Year: 2022.
- Abstract** **TANIGUTI, C. H.**; SOUZA, I. C. G. ; ODA, S. ; SIQUEIRA, L. ; GRACA, R. N. ; BENATTI, T. R. ; STAPE, J. L. ; GARCIA, A. A. F. . Development of an integrated genetic map for an Eucalyptus full-sib population considering high error probabilities for low-depth GBS markers. **EUCARPIA Section Biometrics in Plant Breeding**. Ghent, Belgium. Year: 2018.
- Abstract** **TANIGUTI, C. H.**; SOUZA, I. C. G. ; ODA, S. ; SIQUEIRA, L. ; GRACA, R. N. ; BENATTI, T. R. ; STAPE, J. L. ; GARCIA, A. A. F. . Development of an integrated genetic map for a full-sib progeny from crossing between *Eucalyptus grandis* and *Eucalyptus urophylla*. **X-meeting - 13<sup>a</sup> International Conference of the Brazilian Association for Bioinformatics and Computational Biology**. Águas de São Pedro (SP), Brazil. Year: 2017.

### »»» Participation in committees

- 2021 ZUCCHI, M. I. ; **TANIGUTI, C. H.** ; MARGARIDO, G. R. A. Participation in qualification exam committee of Aline da Costa Lima Moraes. Molecular-genetics studies in *Urochloa humidicola*: building a high-dense linkage map. State University of Campinas.

### »»» Event co-organization

- 2019 Polyploid Genetic Data Analysis: From dosage calling to linkage and QTL mapping - Department of Genetics, ESALQ/USP, Piracicaba-SP, Brazil
- 2019 Training - Genotype to Phenotype models for Traditional and New Phenotyping data in Plant Breeding - Department of Genetics, ESALQ/USP, Piracicaba-SP, Brazil
- 2018 II International Meeting on Plant Breeding - Advances in Experimental Design and Statistical Analysis in Genetics and Plant Breeding – Department of Genetics, ESALQ/USP, Piracicaba-SP, Brazil
- 2017 XI Workshop of Genetic and Plant Breeding – Department of Genetics, ESALQ/USP, Piracicaba-SP, Brazil
- 2016 X Workshop of Genetic and Plant Breeding – Department of Genetics, ESALQ/USP, Piracicaba-SP, Brazil
- 2015 IX Workshop of Genetic and Plant Breeding – Department of Genetics, ESALQ/USP, Piracicaba-SP, Brazil
- 2015 Brazilian edition of the "Tucson Plant Breeding Institute" – Department of Genetics, ESALQ/USP, Piracicaba-SP, Brazil
- 2010 II Four Biotec – Department of Genetics and Evolution, USFSCar, São Carlos-SP, Brazil
- 2009 I Four Biotec – Department of Genetics and Evolution, USFSCar, São Carlos-SP, Brazil

### »»» Community service

- 2022-2023 Participation as a mentor in the LGBTQ+ Pride Mentors program in Texas A&M University

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2019	Participation in “Domingão do Faustão” live program in open television
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2018-2019	Co-fouder of the GENT University extension group and participation in its activities
2018	Scientific communication with society through “Algoritmos nosso de cada dia” text in “Ciência Informativa” blog
2017	Popular Legal Promoters Course – PLPs
2016	Aerial Silk performance at “De última hora” show for get fundings to “Lar Betel-Piracicaba”

## »»» References

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