

Marcelo Mollinari, Ph.D.

1. Address

Bioinformatics Research Center
Department of Horticultural Science
North Carolina State University
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2. Personal

Date of Birth: August 03, 1979
Place of Birth: Caieiras, São Paulo, Brazil
Nationality: Brazilian
Google Scholar Citations: <http://goo.gl/GW7K0>
publons: <https://publons.com/researcher/2727941/marcelo-mollinari/>
ORCID: <http://orcid.org/0000-0002-7001-8498>
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3. Education

- 2008-2012 Ph.D. in Plant Genetics and Breeding, Department of Genetics, “Luiz de Queiroz” College of Agriculture, University of São Paulo, Brazil. Thesis title: *Development of a model to build genetic maps in autopolyploids, with applications in sugarcane*. Supervisor: Antonio Augusto Franco Garcia
- 2006-2008 M.Sc. in Plant Genetics and Breeding, Department of Genetics, “Luiz de Queiroz” College of Agriculture, University of São Paulo, Brazil. Dissertation title: *Evaluation of algorithms used to order markers on genetic maps* Supervisor: Antonio Augusto Franco Garcia
- 2001-2005 Bachelor in Agronomic Engineering, “Luiz de Queiroz” College of Agriculture, University of São Paulo, Brazil.

4. Professional Experience

- 2021 - present Research Assistant Professor, Bioinformatics Research Center, Department of Horticultural Science, North Carolina State University, NC, USA
- 2018 - 2021 Senior Research Assistant, Bioinformatics Research Center, Department of Horticultural Science, North Carolina State University, NC, USA
- 2016 - 2017 Postdoctoral Fellow, Bioinformatics Research Center, North Carolina State University, NC, USA Project title: *Genomic tools for sweetpotato improvement*. Supervisor: Zhao-Bang Zeng
- 2012 - 2015 Postdoctoral Fellow, Department of Genetics, “Luiz de Queiroz” College of Agriculture, University of São Paulo, Brazil.

Paulo, Brazil. Project title: *QTL mapping in autopolyploids using SNPs, with applications in sugarcane*. Supervisor: Antonio Augusto Franco Garcia

- 2014 - 2015 Visiting Scholar, Department of Statistics, Purdue University, IN, USA.
Project title: *Development of statistical models for QTL mapping in autopolyploids using SNPs, with applications in sugarcane*. Supervisor: Rebecca W Doerge
- 2010 Internship at Microsoft Research, Los Angeles, CA, USA. Trainee in eScience Group. Trainee Activities: Use of graphical models in genetic mapping of polyploids, with applications in sugar-cane; Study on availability of comparative assembly of the sugarcane genome. Supervisor: David Heckerman
- 2005 Teaching Assistant: Introduction to Statistics, Alellyx Applied Genomics S.A. Professor: Roland Vencovsky
- 2004 Teaching Assistant: Statistics Applied to Genetics, Center for Molecular Biology and Genetic Engineering, State University of Campinas. Professor: Antonio Augusto Franco Garcia
- 2000 Computer Support Assistant, Santa Casa de Misericórdia de São Paulo – School Hospital. São Paulo, Brazil
- 1998-1999 Costumer Service Representative, IBM Brasil, São Paulo, Brazil.

5. Honors

- 2009 Best work in plant genetics presented by a graduate student at Brazilian Congress of Genetics. Title: *Development of an integrated genetic linkage map of sugarcane (Saccharum spp.) incorporating double and triple dose markers*. 2009.
- 2005 Honorable work (Undergraduate): *Comparação de algoritmos de ordenação de locos em mapas genéticos usando métodos Monte Carlo* at 13° SIICUSP - International Symposium on Undergraduate Research, São Paulo, Brazil, 2005

6. Scholarships and Fellowships

- 2018-present Bill and Melinda Gates Foundation Sweet GAINS
- 2016-218 Bill and Melinda Gates Foundation GT4SP
- 2012-2015 São Paulo Research Foundation -FAPESP(Postdoctoral)
- 2008-2012 São Paulo Research Foundation - FAPESP (Ph.D.)
- 2006-2008 Brazilian National Council for Scientific and Technological Development - CNPq (MSc)
- 2002-2005 Brazilian National Council for Scientific and Technological Development - CNPq (Undergraduate)

7. Grants

- 2022-present *USDA-NIFA: A genetics-based data analysis system for breeders in polyploid breeding programs*. Role: **Project Director**. Award Amount: **\$634,487.00** Website: <https://rb.gy/ik8vy6>
- 2020-present *USDA-SCRI: Tools for Polyploids: Development of a Community Resource*. Role: **Co-investigator**. Award Amount: **\$448,335.00**. Website: <https://polyploid.tamu.edu/>

8. Languages

- Portuguese Native
- English Fluent

9. Areas of Research Interest

Statistical Genetics, Quantitative Genetics, Polyploid Genetics, Plant Breeding, Population Genetics, Molecular Breeding and Statistical Computing.

10. Publications

10.1. Articles

- 2022 Taniguti CH, Gesteira G de S, Lau J, Pereira G da S, Zeng Z-B, Byrne DH, Riera-Lizarazu O, **Mollinari M**. VIEWpoly: a visualization tool to integrate and explore results of polyploid genetic analysis. *Submitted*
- 2021 NR Soares, **M Mollinari**, GK Oliveira, GS Pereira, MLC Vieira. Meiosis in Polyploids and Implications for Genetic Mapping: A Review. *Genes* 12 (10), 1517 (2021) doi:[10.3390/genes12101517](https://doi.org/10.3390/genes12101517)
- 2021 Oloka MB, Pereira G da S, Amankwaah VA, **Mollinari M**, Pecota KV, Yada B, Olukolu BA, Zeng Z-B, Yencho CG, Discovery of a major QTL for root-knot nematode (*Meloidogyne incognita*) resistance in cultivated sweetpotato (*Ipomoea batatas*) *Theor. Appl. Genet.* (2021) doi:[10.1007/s00122-021-03797-z](https://doi.org/10.1007/s00122-021-03797-z)
- 2021 Pereira G da S, **Mollinari M**, Schumann MJ, Clough ME, Zeng Z-B, Yencho CG, The recombination landscape, and multiple QTL mapping in a *Solanum tuberosum* cv. 'Atlantic'-derived F1 population. *Heredity* (2021) doi: [10.1038/s41437-021-00416-x](https://doi.org/10.1038/s41437-021-00416-x)
- 2021 Pereira G da S, Mollinari M, Qu X, Thill C, Zeng Z-B, Haynes K, Yencho CG. Quantitative trait locus mapping for common scab resistance in a tetraploid potato full-sib population. *Plant Disease* (2021) doi: [10.1094/PDIS-10-20-2270-RE](https://doi.org/10.1094/PDIS-10-20-2270-RE)
- 2020 Gemenet DC, Lindqvist-Kreuzer H, Olukolu BA, De Boeck B, Pereira G da S, **Mollinari M**, Zeng Z-B, Yencho CG, Campos H. Sequencing depth and genotype quality: Accuracy and breeding operation considerations for genomic selection applications in autopolyploid crops. *Theor. Appl. Genet. Genetics* (2020) doi: [10.1007/s00122-020-03673-2](https://doi.org/10.1007/s00122-020-03673-2)
- 2020 Pereira G da S, Gemenet, DC, **Mollinari M**, Olukolu BA, Wood JC, Diaz F, Mosquera V, Gruneberg WJ, Khan A, Buell CR, Yencho CG, Zeng Z-B. Multiple QTL mapping in autopolyploids: a random-effect model approach with application in a hexaploid sweetpotato full-sib population *Genetics* (2020) doi: [10.1101/622951](https://doi.org/10.1101/622951)
- 2020 **Mollinari M**, Olukolu BA, Pereira G da S, Khan A, Gemenet DC, Yencho GC, Zeng ZB. Unraveling the hexaploid sweetpotato inheritance using ultra-dense multilocus mapping. *G3: Genes, Genomes, Genetics* (2020) doi: [10.1534/g3.119.400620](https://doi.org/10.1534/g3.119.400620)
- 2019 Gemenet DC, Pereira GS, De Boeck B, Wood JC, **Mollinari M**, Olukolu BA, Diaz F, Mosquera V, Ssali RB, David M, Kitavi MN, Burgos G, Felde TZ, Ghislain M, Carey E, Swanckaert J, Coin LJM, Fei Z, Hamilton JP, Yada B, Yencho GC, Zeng Z-B, Mwanga ROM, Khan A, Gruneberg WJ, Buell CB. Quantitative trait loci and differential gene expression analyses reveal the genetic basis for negatively associated β -carotene and starch content in hexaploid sweetpotato [*Ipomoea batatas* (L.) Lam.]. *Theor. Appl. Genet.* (2019) doi: [10.1007/s00122-019-03437-7](https://doi.org/10.1007/s00122-019-03437-7)
- 2019 **Mollinari M**, Garcia AA F. Linkage Analysis and Haplotype Phasing in Experimental Autopolyploid Populations with High Ploidy Level Using Hidden Markov Models. *G3: Genes, Genomes, Genetics* (2019) doi: [10.1534/g3.119.400378](https://doi.org/10.1534/g3.119.400378)

- 2016 Costa EA, Anoni CO, Mancini MC, Santos FRC, Marconi TG, Gazaffi R Pastina MM, Perecin D **Mollinari M**, Xavier MA, Pinto LR, Souza AP, Garcia AAF. QTL mapping including codominant SNP markers with ploidy level information in a sugarcane progeny. *Euphytica*. (2016), doi: [10.1007/s10681-016-1746-7](https://doi.org/10.1007/s10681-016-1746-7).
- 2016 Vigna BBZ, Santos JCS, Jungmann L, Valle CB, **Mollinari M**, Pastina MM, Pagliarini M, Garcia AAF, Souza AP. Evidence of Allopolyploidy in *Urochloa humidicola* Based on Cytological Analysis and Genetic Linkage Mapping. *PLoS ONE* 11 (4): e0153764. (2016) doi: [10.1371/journal.pone.0153764](https://doi.org/10.1371/journal.pone.0153764)
- 2015 **Mollinari M**, Serang O. Quantitative SNP Genotyping of Polyploids with MassARRAY and Other Platforms in Batley, J (Ed.) *Methods in Molecular Biology: Plant Genotyping*, USA: Humana Press. (2015) doi: [10.1007/978-1-4939-1966-6_17](https://doi.org/10.1007/978-1-4939-1966-6_17)
- 2014 Gazaffi R, **Mollinari M**, Margarido G R A, Pastina MM, Garcia AAF. A model for quantitative trait loci mapping, linkage phase and segregation pattern estimation for a full-sib progeny. *Tree Genet. Genomes*, 10, 791-801. (2014) doi: [10.1007/s11295-013-0664-2](https://doi.org/10.1007/s11295-013-0664-2)
- 2013 Garcia AAF*, **Mollinari M.***, Marconi TG., Serang OR, Silva RR, Vieira MLC, Vicentini R, Costa EA, Mancini MC, Garcia MOS, Pastina MM, Gazaffi R, Martins ERF, Dahmer N, Sforça DA, Silva CBC, Bundock P, Henry RJ, Souza GM, van Sluys M, Landell MGA, Carneiro MS, Vincentz MAG, Pinto LR, Vencovsky R, Souza AP. SNP genotyping allows an in-depth characterization of the genome of sugarcane and other complex autopolyploids *Sci. Rep.*, 3, p-3399 (2013) doi: [10.1038/srep03399](https://doi.org/10.1038/srep03399) *shared the first authorship
- 2012 Palhares AC, Rodrigues-Morais TB, Van Sluys M, Domingues DS, Maccheroni W, Jordão H, Souza AP, Marconi TG, **Mollinari M**, Gazaffi R, Garcia AAF, Vieira MLC. A novel linkage map of sugarcane with evidence for clustering of retrotransposon-based markers. *BMC Genetics*, 13: 51, (2012) [10.1186/1471-2156-13-51](https://doi.org/10.1186/1471-2156-13-51)
- 2012 Sabadin, PK; Malosetti, M; Boer, MP; Tardin, FD; Santos, F G; Guimarães, CT; Gomide, RL; Andrade, CLT; Albuquerque, PEP; Caniato, FF; **Mollinari, M**; Margarido, GRA; Oliveira, BF; Schaffert, RE; Garcia, AAF; Eeuwijk, FA; Magalhaes, JV. Studying the genetic basis of drought tolerance in sorghum by managed stress trials and adjustments for phenological and plant height differences. *Theor. Appl. Genet.*, 124: 1389-1402. (2012) [10.1007/s00122-012-1795-9](https://doi.org/10.1007/s00122-012-1795-9)
- 2012 Pastina MM, Malosetti M, Gazaffi R, **Mollinari M**, Margarido GRA, Oliveira KM, Pinto LR, Souza AP, Van Eeuwijk FA, Garcia AAF. A mixed model QTL analysis for sugarcane multiple-harvest-location trial data. *Theor. and Appl. Genet.* 124: 835-849. (2012) [10.1007/s00122-011-1748-8](https://doi.org/10.1007/s00122-011-1748-8)
- 2012 Serang, O; **Mollinari, M**; Garcia, AAF. Efficient Exact Maximum a Posteriori Computation for Bayesian SNP Genotyping in Polyploids. *PLoS ONE* 7 (2): e30906. (2012) [10.1371/journal.pone.0030906](https://doi.org/10.1371/journal.pone.0030906)
- 2011 Marconi TG, Costa EA, Miranda HRCAN, Mancini MC, Cardoso-Silva CB, Oliveira KM, Pinto LR, **Mollinari M**, Garcia AAF, Souza AP. Functional markers for gene mapping and genetic diversity studies in sugarcane. *BMC Research Notes*, 4:264. (2011) [10.1186/1756-0500-4-264](https://doi.org/10.1186/1756-0500-4-264)
- 2010 Tarazi R, Sebbenn A M, **Mollinari M**, Vencovsky R. Mendelian inheritance, linkage, and linkage disequilibrium in microsatellite loci of *Copaifera langsdorffii* Desf. *Conservation Genetics*, 2:201-204.(2010) [10.1007/s12686-010-9230-5](https://doi.org/10.1007/s12686-010-9230-5)
- 2010 Hotta CT, Lembke CG, Domingues DS, Ochoa EA, Cruz GMQ, Melotto-Passarim DM, Marconi TG, Santos MO, **Mollinari M**, Margarido GRA, Crivellari AC, Santos WD, Souza AP, Hoshino AA, Carrer H, Garcia AAF, Buckeridge MS, Menossi M, Sluys M-A, Souza GM. The Biotechnology Roadmap for Sugarcane Improvement. *Tropical Plant Biology* 3: 75-87. (2010) doi: [10.1007/s12042-010-9050-5](https://doi.org/10.1007/s12042-010-9050-5)

- 2009 **Mollinari M**, Margarido G R A, Vencovsky R, Garcia AAF. Evaluation of algorithms used to order markers on genetic maps. *Heredity* 103: 494-502. (2009) doi: [10.1038/hdy.2009.96](https://doi.org/10.1038/hdy.2009.96)
- 2009 Oliveira KM, Pinto LR, Marconi TG, **Mollinari M**, Ulian EC, Chabregas SM, Falco MC, Burnquist W, Garcia AAF, Souza AP. Characterization of new polymorphic functional markers for sugarcane. *Genome* 52: 191- 209. (2009) doi: [10.1139/G08-105](https://doi.org/10.1139/G08-105)

10.2. Software

- 2022 *VIEWpoly 0.1.1*: A Shiny App to Visualize Genetic Maps and QTL Analysis in Polyploid Species (Co-creator). Available at: <https://CRAN.R-project.org/package=viewpoly>
- 2022 *MAPpoly 0.3.0*: A software to construct genetic maps in autopolyploids (Creator and Software maintainer). Available at: <https://CRAN.R-project.org/package=mappoly>
- 2022 *QTLpoly 0.2.3*: Random-Effect Multiple QTL Mapping in Autopolyploids (Contributor). Available at: <https://CRAN.R-project.org/package=qtlpoly>
- 2012 *SuperMASSA*: A graphical Bayesian inference tool for genotyping polyploids (Contributor). Available at: <https://bitbucket.org/mmollina/supermassa/src/master/>
- 2012 *OneMap 2.1.2*: R package for constructing genetic maps in experimental crosses: full-sib, RILs, F2 and back-crosses (Creator and Software maintainer from 2013-2017). Available at: <https://CRAN.R-project.org/package=onemap>

11. Programming Skills

Languages C, C++, and Advanced R
Software Maxima, MATLAB, and Maple

12. Other Information

12.1. Extracurricular Courses

- 2019 RTB Leadership Training with **Mythodrama**, Bill and Melinda Gates Foundation, Bishoftu, Ethiopia. Funded by Bill and Melinda Gates Foundation

12.2. Poster presentations

- 2022 Taniguti CH, Gesteira G de S, Lau J, Pereira G da S, Zeng Z-B, Byrne DH, Riera-Lizarazu O, **Mollinari M**. VIEWpoly: a visualization tool to integrate and explore results of polyploid genetic analysis *in: International Plant & Animal Genome XXIX Conference*
- 2020 **Mollinari, M**, Bode AO, Pereira GS, GemenetDC, Khan A, Yencho GC, Zeng Z-B. Characterization of Sweet-potato Inheritance Using Ultradense Multilocus Genetic Map. *In: International Plant & Animal Genome XXVIII Conference*
- 2018 **Mollinari, M**, Bode AO, Pereira GS, GemenetDC, Khan A, Kitavi MN, Ghislain M, Yencho GC, Zeng Z-B. Construction of an Ultradense Genetic Map in Hexaploid Sweetpotato. *In: International Plant & Animal Genome XXVI Conference*

- 2016 **Mollinari, M**, Pereira G S, Shumann M, Yencho C; Zeng, Z-B; Garcia, AAF. Construction of Genetic Maps in Complex Autopolyploids *In: International Conference in Quantitative Genetics 5*, Madison, WI, USA.
- 2014 **Mollinari, M**; Garcia, AAF; Craig B; Doerge R W. A new method to construct genetic maps in complex autopolyploids using quantitative SNP genotyping. *In: Kansas State Conference on Applied Statistics in Agriculture*, Manhattan, KS, USA.
- 2012 **Mollinari, M**; Marconi, T G; Mancini, M C; Costa E A; Pinto, L R; Souza, A P; Garcia, AAF. A novel method to construct genetic linkage maps in high autopolyploid species using hidden Markov models, with applications in sugarcane. *In: International Plant & Animal Genome XX Conference*, San Diego, CA, USA.

12.3. Teaching

- 2021 Polyploidy - Importance of polyploidy, inheritance patterns and manipulation - 1 lecture *HS 703 - Breeding Asexually Propagated Crops* invited by Prof. G Craig Yencho. (on-line)
- 2021 Tools for Genomic Assisted Breeding of Polyploid Crops Workshop: Overview of Linkage maps and Haplotype reconstruction, genotype calling and Map construction in polyploid species. (on-line)
- 2019 Polyploid genetic data analysis: from dosage calling to linkage and QTL mapping - short course, 11-13 December *Department of Genetics, "Luiz de Queiroz" College of Agriculture, University of São Paulo, Brazil*. invited by Dr. Guilherme da Silva and Prof. Antonio A F Garcia
- 2019 Genotyping, linkage, and phasing in polyploids - 2 lectures *GN 757 - Statistics for Molecular Quantitative Genetics* invited by Prof. Zhao-Bang Zeng
- 2019 Polyploidy - Importance of polyploidy, inheritance patterns and manipulation - 1 lecture *HS 703 - Breeding Asexually Propagated Crops* invited by Prof. G Craig Yencho
- 2017 Genotyping, linkage, and phasing in polyploids - 2 lectures *GN 757 - Statistics for Molecular Quantitative Genetics* invited by Prof. Zhao-Bang Zeng

12.4. Talks

- 2022 MAPpoly and QTLpoly: Use, progress, and case studies. *Second Tools for Genomic Assisted Breeding of Polyploid Crops Workshop* (on-line)
- 2021 Genetic Mapping in Polyploids: from genotyping to haplotype reconstruction. *Universidade Federal de Goiás, Brazil*
- 2021 Genotype Calling using SuperMASSA. *First Tools for Genomic Assisted Breeding of Polyploid Crops Workshop – USDA/SCRI* (on-line)
- 2021 Overview of Linkage maps and haplotype reconstruction. *First Tools for Genomic Assisted Breeding of Polyploid Crops Workshop – USDA/SCRI* (on-line)
- 2021 Construction of genetic maps in polyploids using MAPpoly. *First Tools for Genomic Assisted Breeding of Polyploid Crops Workshop – USDA/SCRI* (on-line)
- 2020 Unraveling Polyploid Inheritance Using Ultra-Dense Multilocus Mapping. *Computational Genetics Discussion Group - Roslin Institute - University of Edinburgh* (on-line seminar) Scotland, UK.
- 2020 Unraveling Polyploid Inheritance Using Ultra-Dense Multilocus Mapping. *Genetics & Genomics Initiative Seminar - North Carolina State University*, Raleigh, USA.
- 2020 Characterization of Sweetpotato Inheritance Using Ultra dense Multilocus Genetic Map. *In: International*

Plant & Animal Genome XXVIII Conference, San Diego, USA.

- 2019 Unraveling the hexaploid sweetpotato inheritance using ultra-dense multilocus mapping. *INTRINSyC Seminar series - North Carolina State University, Raleigh, North Carolina, USA*
- 2019 Unraveling the hexaploid sweetpotato inheritance using ultra-dense multilocus mapping. *Seminar series on plant molecular biology - University of Illinois, Urbana-Champaign, Illinois, USA*
- 2019 Genotyping, phasing and map construction in polyploids *EiB Working Group on Polyploidy Genomics Data Management and Analysis Meeting - International Potato Center, Lima, Peru.*
- 2018 Construction of genetic maps in hexaploid sweetpotato - *17th Sweetpotato SpeedBreeders' and GenomicsCommunity of Practice Meeting, Nairobi, Kenya.*
- 2018 Linkage Analysis and Haplotype Phasing in Sweetpotato. *Genomic Tools for Sweetpotato Improvement Annual Meeting, Raleigh, USA.*
- 2018 Linkage Analysis and Haplotype Phasing in Experimental High Autopolyploid Populations, with Applications in Hexaploid Sweetpotato. *Plant and Animal Genome Conference XXVI, San Diego, USA.*
- 2018 Linkage Analysis and Haplotype Phasing in Experimental High Autopolyploid Populations, with Applications in Hexaploid Sweetpotato *Tools for Polyploids Planning Meeting - San Diego Botanical Garden, San Diego, USA.*
- 2017 SNP calling, phasing and genetic mapping in autopolyploids. *Genomic Tools for Sweetpotato Improvement Annual Meeting, Kampala, Uganda.*
- 2016 Genetic Mapping in Complex Autopolyploids. *Genetics Department Retreat, North Carolina State University, Raleigh, USA.*
- 2016 Genetic Mapping in Autopolyploids using quantitative SNP genotyping. *Animal Breeding, Genetics & Genomics Seminar, North Carolina State University, Raleigh, USA.*
- 2016 Genetic Mapping in Autopolyploids using quantitative SNP genotyping. *Ecology, Evolution & Environment seminar series, The University of Sheffield, Sheffield, UK.*
- 2015 Genetic Mapping in Complex Autopolyploids Using Quantitative SNP Genotyping. *Statistical Bioinformatics Seminar Series - Purdue University, West Lafayette, Indiana, USA.*
- 2014 Genetic mapping of sugarcane using genotyping by sequencing - Update. *SUNLIBB/CeProBIO Meeting, Ghent, Belgium.*
- 2013 Uso do Programa SuperMASSA para Genotipagem de SNPs em Poliploides. Short course. *7 Brazilian Congress of Plant Breeding, Uberlândia, Minas Gerais. (In Portuguese)*
- 2013 Constructing genetic linkage maps in complex polyploids using SNPs. Panel discussion. *59th Brazilian Congress of Genetics, Águas de Lindóia, São Paulo, Brazil. Members: Bruce Weir (University of Washington), Benilton Carvalho (University of Cambridge), Elias Chaibub Neto (Sage Bionetworks). Chair: Antonio Augusto Franco Garcia (ESALQ/USP)*
- 2013 Genetic mapping of sugarcane. *SUNLIBB/CeProBIO Meeting, Wageningen, Netherlands.*

- 2011 New approaches for constructing genetic linkage maps in sugarcane, a high polyploid species. *SUNLIBB/CeProBIOMeeting*, Magdalene College, University of Cambridge, UK.
- 2009 Development of an integrated genetic linkage map of sugarcane (*Saccharum* spp.) incorporating double and triple dose markers. *55th Brazilian Congress of Genetics*, Águas de Lindóia, São Paulo, Brazil.

12.5. Review Editor in the following scientific journal

- Frontiers in Plant Science

12.6. Ad-hoc Reviewer in the following scientific journals

- Bioinformatics
- BMC Bioinformatics
- BMC Genomics
- Brazilian Journal of Botany
- Briefings in Bioinformatics
- Crop Science
- Euphytica
- Frontiers in Plant Science
- G3 - Genes, Genomes and Genetics
- Genetics
- Journal of Heredity
- Journal of Integrative Plant Biology
- Journal of Statistical Software
- Physiological and Molecular Plant Pathology
- PlosONE
- Scientia Agricola
- Scientific Data
- Theoretical and Applied genetics

Reviews can be verified at <https://publons.com/researcher/2727941/marcelo-mollinari/> (40 reviews).

13. References

These persons are familiar with my professional qualifications and my character:

Professor Zhao-Bang Zeng

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Bioinformatics Res. Center
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North Carolina State University
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Professor Rebecca W Doerge

Postdoc supervisor
Dean, MCS / Dept. of Statistics
Carnegie Mellon University
Pittsburgh, PA, USA

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Professor G. Craig Yencho

Leader of GT4SP and SweetGAINS project
Dept. of Horticultural Science
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Professor Augusto F Garcia

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