

MARIA SUSANA BARBOSA REIS PINTO LOPES

CURRICULUM VITAE

ANGRA DO HEROÍSMO, 2018

CURRICULUM VITAE

PERSONAL DATA

Name: Maria Susana Barbosa Reis Pinto Lopes

Nationality: Portuguese

Date of birth: May 26th 1971

Gender: Female

AFFILIATION

Institution: Biotechnology Centre of Azores, University of the Azores (CBA-UAc)

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EDUCATION

- 2011** European PhD degree in Agriculture, specialisation in Biotechnology, University of Azores, Portugal. Title of the thesis: “Molecular tools for the characterisation of the Lusitano horse”. Unanimous pass with distinction and honor.
- 1999/2000** International MSc in Biotechnology. De Monfort University Leichester, England and Hogeschool Brabant, The Netherlands. Title of placement project: “Identification and characterisation of microsatellite markers in *Prunus armeniaca* L.” (score: B).
- 1996/1997** Final project 6 months placement as an ERAMUS student at the Institute of Applied Microbiology and the Institute of Applied Genetics, University of Natural Resources and Life Sciences, Vienna, Austria. Title of the project: "Biotechnological approaches to virus diagnosis and molecular characterisation of Grapevines".
- 1999/2002** Frequency of the classes from the degree of Zootechnical Engineering at the University of Azores
- 1991/1997** Degree in Agriculture Engineering at the University of Azores (score: 14/20).
- 1989/1991** First two years studies of Physics at the Sciences Faculty of the Classical University of Lisbon.
- 1986/1989** Secondary School D. João de Castro, Lisbon.
- 1981/1986** German School of Lisbon.

COMPLEMENTARY STUDIES

Courses attended

- 2012 August, 27th-31st **Workshop on SNP chip data analysis for Genome Wide Association Studies (GWAS)**, Angra do Heroísmo, Centro de Biotecnologia dos Açores, Universidade dos Açores, Portugal.
- 2011 Setembro, 5th-8th **Expression of proteins with Biotechnological interest in *Pichia pastoris***, Universidade dos Açores, Portugal.
- 2007 February, 14th-16th **Low cytometry - Foundations and main applications**, Angra do Heroísmo, Centro de Biotecnologia dos Açores, Universidade dos Açores, Portugal.
- 2002 June, 18th-21st **Introduction to confocal microscopy and its applications**, Viana do Castelo, Portugal.
- 1996 July, 5th-12th **International Postgraduate Course: Molecular biological techniques - In vitro DNA manipulations including PCR and in situ hybridization**, Porto, Laboratório de Anatomia Patológica, IPATIMUP, Portugal.
- 1994 October, 3rd-12th **First post-graduation course on plant virus resistance**, Lisboa, Departamento de Fitopatologia, Estação Agronómica Nacional, INIA, Portugal.

SCIENTIFIC ACTIVITY

Scientific areas of main interest:

Plant and Animal Biotechnology

Population Genetics

Genomic selection

GRANTS

2016 Pos Doc Grant from “Fundação para a Ciência e a Tecnologia” (FCT) [SFRH/BPD/105665/2015]. Project title: ***Genotyping by sequencing of the Portuguese grapevine germplasm: identification of genotype-phenotype linked functional alleles for genomic selection.***

2012/2015 Pos Doc Grant from “Direcção Regional da Ciência e Tecnologia” (DRCT) [M3.1.7/F/023/2011]. Project title: ***Atlantic rubber: Exploiting potential latex production from Azorean endemic plants.***

2006/2010 PhD Grant from “Direcção Regional da Ciência e Tecnologia” (DRCT) [M3.1.1/I/017A/2005]. Project title: ***Diagnose de doenças de foro genético no cavalo Lusitano.***

2007 Support for the Participation in Scientific Meetings from “Direcção Regional da Ciência e Tecnologia” (DRCT) [M3.2.1/I/126/2007]. ***7th International Dorothy Russel Havemeyer Equine Gene Mapping Workshop.***

2005/2006 Research Grant from “Fundação para a Ciência e a Tecnologia” (FCT) [BI/15264/2004]. ***Molecular genetics and animal breeding: Equines.***

2002/2004 Research Grant from the Biotechnology Centre of Azores (CBA). Project title: ***Molecular Markers Associated with Genetic Disorders and Genes Functionality in Domestic Animals.***

1997/2000 Research Grant from “Fundação para a Ciência e a Tecnologia” (FCT) [BIC/4316/97]. Project title: ***Sanitation and breeding of Portuguese fruit tree cultivars using a biotechnological approach.***

PROFESSIONAL EXPERIENCE

March 2014 to date Responsible for the Stud-book of the equine breed *Terceira Pony*.

2009 February-March Equine Illumina Equine 50SNP beadchip data analysis for the identification of quantitative trait loci associated with radiological signs for osteochondrosis in the Lusitano breed. Institute for Animal Breeding and Genetics, University of Veterinary Medicine Hannover, Germany.

2008 January-June Identification of quantitative trait loci (QTL) and genes associated with radiological signs of navicular disease in Hanoverian warmblood horses. Institute for Animal Breeding and Genetics, University of Veterinary Medicine Hannover, Germany.

2002-2007 Teacher of Immunology, BSc in Biotechnology, University of Azores.

1998-2002 Tutor of practical classes of Genetics, BSc in Agriculture, Zootechnical Sciences, and Biotechnology, University of Azores.

1998-2000 Fruit trees breeding by means of Biotechnology. Laboratory of Plant Biotechnology of the University of Azores, Department of Agriculture, Angra do Heroísmo, Portugal.

November 1997-March 1998 Mathematics teacher. Preparatory and Secondary School of Angra do Heroísmo, Portugal.

1996 Detection of genetic polymorphisms by Random Amplified Polymorphic DNA (RAPD) and Simple Sequence Repeats (SSRs). Institute of Applied Genetics and Institute of Applied Microbiology, University of Agricultural Sciences, Vienna Austria.

1994 Plant tissue culture and virus diagnosis practical experience. Institute of Applied Microbiology, University of Agricultural Sciences, Vienna Austria.

PARTICIPATION IN FUNDED PROJECTS

CONNECT.GENE - A genetic landscape approach to sustain rare species connectivity, for small islands biodiversity (ACORES-01-0145-FEDER-000061)

“Fundo Europeu do Desenvolvimento Regional” and “Orçamentos da Região Autónoma dos Açores”

Duration: 36 months (Sep 2016-Ago 2019)

Coordinator: Prof. Doutor Eduardo Manuel Ferreira Dias, University of Azores

Diversity of arbuscular mycorrhizal fungi (AMF) in native forest of Azores and their biotechnological application (PTDC/AGR-ALI/122152/2010)

FCT - “Fundação para a Ciência e a Tecnologia”

Duration: 36 months (Jan 2012-Dec 2014)

Coordinator: Doutor Duarte Manuel da Silva Mendonça, University of Azores

Coudelaria - Laboratório Natural de Desenvolvimento Sustentável (POCI/GG/GGP/ME611-0166/05)

FCT - “Fundação para a Ciência e a Tecnologia”

Duration: 24 months (Dez 2005-Nov 2007)

Coordinator: Dr. João da Costa Ferreira, Fundação Alter Real

Traceability of origin and authenticity of olive oil by combined genomic and metabolomic approaches - OLIV-TRACK (QLK1-CT-2002-02386)

EU 5th Framework Programme

Key Action 1.1.3 - Quality of life and management of living resources.

Section 1.1 - Quality monitoring and traceability throughout the food chain.

Duration: 36 months (Jan 2003-Dec 2005)

Coordinator: Prof. Nelson Marmiroli, University of Parma

Set up of molecular diagnosis systems for genetic disorders on the Lusitano breed (POCTI/CVT/41890/2001)

FCT - “Fundação para a Ciência e a Tecnologia”

Duration: 36 months (Oct 2002-Sep 2003)

Coordinator: Prof. Doutor Artur da Câmara Machado, University of Azores

Identification of microsatellite loci in olive (Olea europaea) and their characterisation (POCTI/36162/AGR/2000)

FCT - “Fundação para a Ciência e a Tecnologia”

Duration: 24 months (Oct 2000-Sep 2002)

Coordinator: Prof. Doutor Artur da Câmara Machado, University of Azores

Sanitation and breeding of Portuguese fruit tree cultivars using a biotechnological approach (Praxis/3/3.2/HORT/2143/95)

FCT - “Fundação para a Ciência e a Tecnologia”

Duration: 36 months (Jul 1997-Jun 2000)

Coordinator: Prof. Doutora Maria Margarida M. G. Oliveira Barroso, Instituto de Biologia Experimental e Tecnológica

EXPERIENCE IN ORIENTATION

- 2016 Supervisor of the Master Thesis in Conservation Biology of Sofia Margarida dos Reis Daniel de Abreu Ferreira entitled *Cryoconservation of the Lusitano horse genetic diversity based on microsatellites*. University of Évora (score:17/20).
- 2012 Co-supervisor of the Master Thesis in Biomedical Sciences of Vanessa Sofia Dias Faustino entitled *Analysis of genes associated with the white coat colour in equines*. University of Azores (score: 19/20).

ORGANIZATION OF SCIENTIFIC MEETINGS

- 2013 Member of the scientific and organising committees of the **10th International Equine Genome Mapping Workshop**, July 10th-13th, Furnas, Portugal.
- 2011 Member of the organising committee of the **3rd Biotechnology Workshop**, October 6th-7th and November 5th, Angra do Heroísmo, Portugal.
- 2007 Member of the organising committee of **IV Jornadas Científicas: Equinicultura**, April 28th-30th, Angra do Heroísmo, Portugal.
- 2005 Member of the organising committee of **Ciclo de Conferências: Biotecnologia e Sociedade**. April 9th-Dezembre 3th, Angra do Heroísmo, Terceira, Açores.
- 2004 Member of the organising committee of **Encontro de Biotecnologia**, May 14th-15th, Angra do Heroísmo, Portugal.
- 2001 Member of the organising committee of **3^{as} Jornadas Científicas de Toiro de Lide**, March 9th-11th, Angra do Heroísmo, Portugal.
- 1999 Member of the organising committee of **1º Encontro de Biotecnologia dos Açores: A Biotecnologia no Desenvolvimento de uma Região Periférica** July 16th-17th, Angra do Heroísmo, Portugal.
- Member of the organising committee of **2^{as} Jornadas Científicas de Toiro de Lide**, March 19th-21st, Angra do Heroísmo, Portugal.

PARTICIPATION IN SCIENTIFIC MEETINGS

International conferences

- 2016 **X Congresso Ibérico sobre Recursos Genéticos Animais**, September 15-17, Castelo Branco, Portugal.
- 2015 **11th Dorothy Russell Havemeyer International Equine Genome Mapping Workshop**, July 23th-25th, Hannover, Germany
- 2013 **10th Dorothy Russell Havemeyer International Equine Genome Mapping Workshop**, July 10th-13th, Furnas, Azores, Portugal
- 2011 **9th Dorothy Russell Havemeyer International Equine Genome Mapping Workshop**, July 27th-30th, Chaska, Minnesota, USA
- 2010 **3rd International Forum: Horses show exactly the way they are ridden**, November 6th-7th, Arruda dos Vinhos, Portugal
- 2009 **8th Dorothy Russell Havemeyer International Equine Genome Mapping Workshop**, July 22nd-25th, Newmarket, UK
- 2007 **XIe colloque de l'Ecole National d'Equitation**, November 24th, Paris, France
- 7th Dorothy Russell Havemeyer International Equine Genome Mapping Workshop**, August 16th-19th, Tahoe City, USA
- 2006 **Plant & Animal Genome XIV**, January 14th-18th, San Diego USA
- 2003 **1st International Symposium on Grapevine: Growing, Commerce and Research**, June 30th- July 2nd, Lisbon, Portugal
- 2002 **I Simpósio Europeu do Cavalo Lusitano**, Novembre 5th, Golegã, Portugal
- 1998 **VII International Symposium on Grapevine Genetics and Breeding**, July 6th-10th, Montpellier, France.

National conferences and seminars

- 2012 **3rd Meeting of the Institute for Biotechnology and Bioengineering**, March 16th-17th, Lisbon, Portugal
- 2011 **3rd Biotechnology Workshop**, October 6th-7th and November 5th, Angra do Heroísmo, Portugal
- Seminário Vitivinicultura Atlântica, Construir o Futuro**, June 9th-12th, Madalena do Pico, Portugal
- 2008 **I Jornadas Científicas do IBBA**, Institute of Biotechnology and Biomedicine of the Azores, September 25th-26th, Angra do Heroísmo, Portugal
- Inovação e Sustentabilidade em Produção Equina**, June 18th-20th, Alter do Chão, Portugal
- 2007 **IV Jornadas Científicas: Equinicultura**, April 28th-30th, Angra do Heroísmo, Portugal.
- 2004 **XIV Congresso de Zootecnia, A Zootecnia - O Futuro**, October 7th-9th, Angra do Heroísmo, Portugal
- 2001 **1º Simpósio de Raças Caninas Portuguesas**, November 16th-17th, Santarém, Portugal
- 3^{as} Jornadas Científicas de Toiro de Lide**, March 9th-11th, Angra do Heroísmo, Portugal
- 1998 **1º Workshop de Biotecnologia de Plantas**, September 17th-18th, Oeiras, Portugal

PRIZES

ADVID 2007 - Álvaro Baltasar Moreira da Fonseca, awarded by the Associação para o Desenvolvimento da Viticultura Duriense (Association for the Development of Viticulture of the Douro Region), for the contribution of the development of viticulture in Douro DOP region, for the work: Lopes MS, Rodrigues dos Santos M, Eiras Dias JE, Mendonça D, da Câmara Machado A (2006) Discrimination of Portuguese grapevines based on microsatellite markers. Journal of Biotechnology 127, 34-44.

PUBLICATIONS

Books

Monteiro L, Baptista C, Melo M, Domingues A, Ferreira A, Foroni I, Lopes MS, Mendonça D, Ormonde Janeiro S, Oliveira R, Pimentel R, Carvalho C, Monjardino P, Horta Lopes D, da Câmara Machado A (2008) Cultivares de macieiras dos Açores. Eds.: CBA-UAç and FRUTER. Angra do Heroísmo, Universidade dos Açores. 99p. ISBN: 978-989-95707-1-9.

Papers in International Peer-Reviewed Journals

24. Schaefer RJ, Schubert M, Bailey E, Bannasch DL, Barrey E, Bar-Gal GK, Brem G, Brooks SA, Distl O, Fries R, Finno CJ, Gerber V, Haase B, Jagannathan V, Kalbfleisch T, Leeb T, Lindgren G, Lopes MS, Mach N, da Câmara Machado A, MacLeod JN, McCay A, Metzger J, Penedo C, Polani S, Rieder S, Tammen I, Tetens J, Thaller G, Verini-Supplizi A, Wade CM, Wallner B, Orlando L, Mickelson JR, McCue ME (2017) Developing a 670k genotyping array to tag ~2M SNPs across 24 horse breeds. *BMC Genomics* 18, 565. DOI: 10.1186/s12864-017-3943-8; IF=4.40 [Q1, Genetics]
23. Bettencourt SX, Mendonça D, Lopes MS, Rocha S, Monjardino P, Monteiro L, da Câmara Machado A (2015). Genetic diversity and population structure of the endemic Azorean juniper, *Juniperus brevifolia* (Seub.) Antoine, inferred from SSR and ISSR markers. *Biochemical Systematics and Ecology* 59, 314-324. DOI: 10.1016/j.bse.2015.02.003; IF=1.170 [Q3, Ecology]
22. Mendonça D, Luna S, Bettencourt S, Lopes MS, Monteiro L, Drumonde Neves J, Monjardino P, da Câmara Machado A (2015) In vitro propagation of *Picconia azorica* (Tutin) Knobl. (Oleaceae) an Azorean endangered endemic plant species. *Acta Physiologiae Plantarum* 37, 47. DOI: 10.1007/s11738-015-1797-8; IF=1.305 [Q2, Plant Science]
21. Lopes MS, Mendonça D, Rojer H, Cabral V, Bettencourt SX, da Câmara Machado A (2015) Morphological and genetic characterization of an emerging Azorean horse breed: the Terceira Pony. *Frontiers in Genetics* 6, 62. DOI: 10.3389/fgene.2015.00062. IF=3.789 [Q1, Genetics]
20. Lopes MS, Mendonça D, Bettencourt SX, Borba AR, Baptista C, Melo C, da Câmara Machado A (2014) Genetic diversity of an Azorean endemic and endangered plant species inferred from ISSR markers. *AoB Plants* 6: plu034. DOI: 10.1093/aobpla/plu034; IF=1.743 [Q2, Plant Science]

19. Metzger J, Philipp U, Lopes MS, da Câmara Machado A, Felicetti M, Silvestrelli M, Distl O (2013) Analysis of copy number variants by three detection algorithms and their association with body size in horses. *BMC Genomics* 14(1), 487. DOI: 10.1186/1471-2164-14-487; IF=4.40 [Q1, Genetics]
18. Baptista C, Lopes MS, Tavares AC, Rojer H, Kappmeyer L, Mendonça D, da Câmara Machado A (2013) Diagnosis of *Theileria equi* infections in horses in the Azores using cELISA and nested PCR. *Ticks and Tick-Borne Diseases* 4, 242-245. DOI: 10.1016/j.ttbdis.2012.11.008; IF=2.353 [Q2, Infectious diseases, Parasitology]
17. Petersen JL, Mickelson JR, Cothran EG, Andersson L, Axelsson J, Bailey E, Bannasch D, Binns M, Borges A, Brama P, da Câmara Machado A, Distl O, Felicetti M, Fox-Clipsham L, Graves KT, Guérin G, Haase B, Hasegawa T, Hemmann K, Hill E, Leeb T, Lindgren G, Lohi H, Lopes MS, McGivney BA, Mikko S, Orr N, Penedo MCT, Piercy R, Raekallio M, Rieder S, Røed K, Silvestrelli M, Swinburne J, Tozaki T, Vaudin M, Wade CM, McCue ME (2013) Genetic diversity in the modern horse illustrated from genome-wide SNP data. *PLOS ONE* 8(1), e54997. DOI: 10.1371/journal.pone.0054997; IF=3.73 [Q1, Multidisciplinary]
16. Petersen JL, Mickelson JR, Rendahl AK, Valberg SJ, Andersson L, Axelsson J, Bailey E, Bannasch D, Binns M, Borges A, Brama P, da Câmara Machado A, Capomaccio S, Cappelli K, Cothran EG, Distl O, Fox-Clipsham L, Graves KT, Guérin G, Haase B, Hasegawa T, Hemmann K, Hill E, Leeb T, Lindgren G, Lohi H, Lopes MS, McGivney BA, Mikko S, Orr N, Penedo MCT, Piercy R, Raekallio M, Rider S, Røed K, Swinburne J, Tozaki T, Vaudin M, Wade CM, McCue ME (2013) Genome-wide analysis reveals selection for important traits in domestic horse breeds. *PLOS Genetics* 9(1), e1003211. DOI: 10.1371/journal.pgen.1003211; IF=8.52 [Q1, Genetics]

15. Feroni I, Baptista C, Monteiro L, Lopes MS, Mendonça D, Melo M, Carvalho C, Monjardino P, Lopes DJH, da Câmara Machado A (2012) The use of microsatellites to analyze relationships and to decipher homonyms and synonyms in Azorean apples (*Malus×domestica* Borkh.). *Plant Systematics and Evolution* 298, 1297-1313. DOI: 10.1007/s00606-012-0637-1; IF=1.422 [Q2, Plant Science]
14. Baron EE, Lopes MS, Mendonça D, da Câmara Machado A (2012) SNP identification and polymorphism analysis in exon 2 of the horse myostatin gene. *Animal Genetics* 43, 229-232. DOI: 10.1111/j.1365-2052.2011.02229.x; IF=2.584 [Q1, Animal Science and Zoology]
13. Lopes MS, Diesterbeck U, da Câmara Machado A, Distl O (2010) Refinement of quantitative trait loci on equine chromosome 10 for radiological signs of navicular disease in Hanoverian warmblood horses. *Animal Genetics* 41, 36-40. DOI: 10.1111/j.1365-2052.2010.02096.x; IF=2.584 [Q1, Animal Science and Zoology]
12. Felicetti M, Lopes MS, Verini-Supplizi A, da Câmara Machado A, Silvestrelli M, Mendonça D, Distl O (2010) Genetic diversity in the Maremmano horse and relationships with other European breeds. *Animal Genetics* 41, 53-55. DOI: 10.1111/j.1365-2052.2010.02102.x; IF=2.584 [Q1, Animal Science and Zoology]
11. Lopes MS, Diesterbeck U, da Câmara Machado A, Distl O (2009) Fine mapping a quantitative trait locus on horse chromosome 2 associated with radiological signs of navicular disease in Hanoverian warmblood horses. *Animal Genetics* 40, 955-957. DOI: 10.1111/j.1365-2052.2009.01923.x; IF=2.584 [Q1, Animal Science and Zoology]
10. Lopes MS, Mendonça D, Rodrigues dos Santos M, Eiras Dias JE, da Câmara Machado A (2009) New insights on the genetic basis of Portuguese grapevine and on grapevine domestication. *Genome* 52, 790-800. DOI: 10.1139/G09-048 IF=1.991 [Q2, Agricultural and Biological Sciences (miscellaneous)]

9. Lopes MS, Rodrigues dos Santos M, Eiras Dias JE, Mendonça D, da Câmara Machado A (2006) Discrimination of Portuguese grapevines based on microsatellite markers. *Journal of Biotechnology* 127, 34-44. DOI: 10.1016/j.jbiotec.2006.06.006; IF=3.340 [Q1, Biotechnology]
8. Lopes MS, Belo Maciel G, Mendonça D, Sabino Gil F, da Câmara Machado A (2006) Isolation and characterization of simple sequence repeat loci in *Rubus hochstetterorum* and their use in other species from the *Rosaceae* family. *Molecular Ecology Notes* 6, 750-752. DOI: 10.1111/j.1471-8286.2006.01329.x; IF=7.432 [Q1, Biotechnology, Ecology, Evolution, Behavior and Systematics, Genetics]
7. Lopes MS, Mendonça D, Cymbron T, Valera M, da Costa Ferreira J, da Câmara Machado A (2005) The Lusitano Horse Maternal Lineage Based on mitochondrial D-loop sequence variation. *Animal Genetics* 36, 196-202. DOI: 10.1111/j.1365-2052.2005.01279.x; IF=2.584 [Q2, Animal Science and Zoology]
6. Lopes MS, Mendonça D, Sefc KM, Sabino Gil F, da Câmara Machado A (2004) Genetic Evidence of Intra-Cultivar Variability within Iberian Olive Cultivars. *HortScience* 39, 1562-1565. IF=0.94 [Q2, Horticulture]
5. Lopes MS, Sefc KM, Laimer M, da Câmara Machado A (2002) Identification of microsatellite loci in apricot. *Molecular Ecology Notes* 2, 24-26. DOI: 10.1046/j.1471-8286.2002.00132.x; IF=7.432 [Q3, Biotechnology, Ecology, Evolution, Behavior and Systematics, Genetics]
4. Sefc KM, Lopes MS, Laimer da Câmara Machado M, da Câmara Machado A (2000) Identification of microsatellite loci in olive (*Olea europaea*) and their characterisation in Italian and Iberian olive trees. *Molecular Ecology* 9, 1171-1173. DOI: 10.1046/j.1365-294x.2000.00954.x; IF=6.275 [Q1, Ecology]

3. Sefc KM, Lopes MS, Lefort F, Botta R, Roubelakis-Angelakis KA, Ibanez J, Pejic I, Wagner HW, Glössl J, Steinkellner H (2000) Microsatellite variability in grapevine cultivars from different European regions and evaluation of assignment testing to assess the geographic origin of cultivars. *Theoretical and Applied Genetics* 100, 498-505. DOI: 10.1007/s001220050065; IF=4.055 [Q1, Agronomy and crop science, Genetics, Horticulture, Crop science]
2. Lopes MS, Sefc KM, Eiras Dias JE, Steinkellner H, Laimer da Câmara Machado M, da Câmara Machado A (1999) The use of microsatellites for germplasm management in a Portuguese grapevine collection. *Theoretical and Applied Genetics* 99, 733-739. DOI: 10.1007/s001220051291; IF=4.055 [Q1, Agronomy and crop science, Genetics, Horticulture, Crop science]
1. Gölles R, da Câmara Machado A, Tsolova V, Bouquet A, Moser R, Lopes MS, Mendonça D, Katinger H, Laimer da Câmara Machado M (1996) Transformation of somatic embryos of *Vitis* sp. with different constructs containing nucleotide sequences from nepovirus coat protein genes. *Arquipélago Life and Marine Sciences* 14A, 67-74.

Papers in Congress Proceedings

Foroni I, Baptista C, Monteiro L, Mendonça D, Lopes MS, Monjardino P, Lopes DJH, da Câmara Machado A (2011) Assessment of genetic variability within and among Portuguese apple cultivars revealed by SSRs. III International Symposium on Plant Genetic Resources. Lisbon, Portugal, 22.-27. 8. 2010. Acta Horticulturae 918, 371-378. DOI: 10.17660/ActaHortic.2011.918.48 [Q4, Horticulture]

Monteiro L, Lopes DJH, Monjardino P, Lopes MS, Baptista C, Mendonça D, Carvalho CF, Domingues A, Melo M, da Câmara Machado A (2008) Survey, Phenologic Development and Molecular Characterization of Chestnut Traditional Varieties from Terceira Island Made by Germobanco III Project. II Iberian Congress on Chestnut. Vila Real, Portugal, 20.-22. 6.2007. Acta Horticulturae 784, 127-131. DOI: 10.17660/ActaHortic.2008.784.18 [Q4, Horticulture]

Lopes MS, Mendonça D, Sefc KM, Sabino-Gil F, Câmara-Machado A (2009) Caracterização molecular do germoplasma olivícola através de microsatélites. III Simpósio Nacional de Olivicultura Castelo Branco, 29 a 31 de Outubro de 2003. Actas Portuguesas de Horticultura, n.º 13.

Lopes MS, Mendonça D, da Câmara Machado A, Laimer da Câmara Machado M, Steinkellner H, Sefc KM (2000) Genotyping of Vitis cultivars used for the production of VQPRD and VLQPRD in the Azores by microsatellite markers. VII International Symposium on Grapevine Genetics and Breeding. Montpellier, France, 6-10. 6. 1998. Acta Horticulturae 528, 191-194. DOI: 10.17660/ActaHortic.2000.528.24 [Q4, Horticulture]

da Câmara Machado A, Mendonça D, Lopes MS, Knapp E, Hanzer V, Arthofer W, Katinger H, Laimer da Câmara Machado M (1998) Phytosanitary improvement of fruit tree species: Diagnostic strategies in virus-indexing of in vitro plants. 17th International Symposium on Virus and Virus-like Diseases of Temperate Fruit Crops. Bethesda, MD USA, 23.-27. 6. 1997. Acta Horticulturae 472, 511-516. DOI: 10.17660/ActaHortic.1998.472.64 [Q4, Horticulture]

Mendonça D, Lopes MS, Laimer da Câmara Machado M, da Câmara Machado A (1997) Diagnosis of viral diseases in stone fruits cultivated in the Azorean Islands Terceira and Graciosa. 17th International Symposium on Virus and Virus-like Diseases of Temperate Fruit Crops. Bethesda, MD USA, 23.-27. 6. 1997. Acta Horticulturae 472, 537-541. DOI: 10.17660/ActaHortic.1998.472.68 [Q4, Horticulture]

Others

da Câmara Machado A, Agrícola R, Lopes MS (2007) Diagnose de doenças ósseas na raça Lusitana. Lusitano 17, 17-22.

da Câmara Machado A, Lopes MS (2006) Dos genes à performance. Lusitano 16, 43-45

da Câmara Machado A, Lopes MS (2005) Identificação das linhas maternas que constituem o Puro Sangue Lusitano. Lusitano 15, 41-44.

da Câmara Machado A, Sabino Gil F, Lopes MS, Mendonça D (2004) Os Detectives do Azeite. Az-zait Revista da Casa do Azeite 8, 22-25.

Sequences Registered in GenBank (NCBI)

Lopes MS, Mendonça D, da Câmara Machado A (2010) Accession numbers HQ827162-HQ827166.

Lopes MS, Mendonça D, Valera M, da Câmara Machado A (2010) Accession numbers HQ827083-HQ827161.

Lopes MS, Distl O (2008) Accession numbers FM179616-FM179631.

Baron EE, Lopes MS, da Câmara Machado A (2007) Accession numbers EU241334-EU241344.

Lopes MS, da Costa Ferreira J, Mendonça D, da Camara Machado A (2004) Accession numbers AY293975-AYAY293991, AY525091-AY525096, AY805645-AY805648.

Lopes MS, Valera M, Mendonça D, da Camara Machado A (2004) Accession numbers AY805649-AY805668.

Belo Maciel G, Lopes MS, Mendonça D, Sabino Gil F, da Câmara Machado A (2004) Accession numbers AY500560-AY500589.

Lopes MS, Sefc KM, Laimer M, da Câmara Machado A (2002) Accession numbers AF324247-AF324251; AF324903-AF324925; AF408807.

Sefc KM, Lopes MS, Mendonça D, Rodrigues dos Santos M, Laimer da Câmara Machado M, da Câmara Machado A (2000) Accessions numbers AJ279853-AJ279867.

PRESENTATIONS IN SCIENTIFIC MEETINGS

Posters

Bettencourt SX, Pereira D, Mendes C, Mendonça D, Lopes MS, da Câmara Machado A, Dias E (2017) CONNECT.GENE Project: a genetic landscape approach to sustain rare species connectivity, for small islands biodiversity. Biogeography and Syntaxonomy of the Atlantic Regions - Cape Verde 2017. X Encontro Internacional de Fitossociologia, Novembro 5th-7th, Cidade da Praia, ilha de Santiago, Cabo Verde.

Lopes MS, Cabral V, Mendonça D, Rocha s, Bettencourt S, da Câmara Machado A (2013) Transcriptome profiling at different developmental stages for pony and horse embryous. 10th Dorothy Russell Havemeyer International Equine Genome Mapping Workshop, July 10th-13th, Furnas, S. Miguel, Azores, Portugal.

Lopes MS, Faustino V, Cabral V, Mendonça D, da Câmara Machado A (2013) Variation of coat colour gene frequencies in the Terceira Pony. 10th Dorothy Russell Havemeyer International Equine Genome Mapping Workshop, July 10th-13th, Furnas, S. Miguel, Azores, Portugal.

Cabral V, Lopes MS, Mendonça D, da Câmara Machado A (2013) Genetic diversity of the Terceira Pony: Implications for conservation. 10th Dorothy Russell Havemeyer International Equine Genome Mapping Workshop, July 10th-13th, Furnas, S. Miguel, Azores, Portugal.

Cabral V, Lopes MS, Mendonça D, Bettencourt S, da Câmara Machado A (2013) Perfil do transcriptoma de diferentes estádios de embriões de Póneis e Cavalos. Jornadas "Ciência nos Açores- que futuro?", June 7-8, Ponta Delgada, Açores.

Lopes MS, Mendonça D, da Câmara Machado A (2013) Análise do genoma de cavalos através do Illumina Equine SNP50 Beadchip. Jornadas "Ciência nos Açores- que futuro?", June 7-8, Ponta Delgada, Açores.

Lopes MS, Faustino V, Cabral V, Mendonça D, da Câmara Machado A (2013) Identificação de polimorfismos associados às pelagens no Pónei da Terceira. Jornadas "Ciência nos Açores- que futuro?", June 7-8, Ponta Delgada, Açores.

Mendonça D, Monteiro L, Luna S, Alves X, Mendonça S, Martins L. Brasil H, Lopes MS, da Câmara Machado A (2013) Micropropagação de plantas endémicas lenhosas como ferramenta para restauro de ecossistemas e utilização florestal/ornamental. Jornadas "Ciência nos Açores- que futuro?", June 7-8, Ponta Delgada, Açores.

Rocha S, Mendonça D, Monjardino P, Luna S, Lopes MS, da Câmara Machado A (2013) Projecto SafePGR: desenvolvimento de métodos de diagnóstico de vírus para uma maior segurança na circulação de plantas. Jornadas "Ciência nos Açores - que futuro?" June 7-8, Ponta Delgada, Açores.

Petersen JL, Rendahl AK, Mickelson JR, Andersson LS, Bailey E, Bannasch DL, Binns MM, Borges AS, Cothran EG, da Câmara Machado A, Distl O, Felicetti M, Graves KT, Guérin G, Hasegawa T, Haase B, Hill EW, Leeb T, Lopes MS, Lindgren G, Lohi H, Penedo MCT, Piercy R, Røed KH, Ryder OA, Silvestrelli M, Swinburne JE, Tozaki T, Vaudin M, Wade CM, McCue ME (2012) Identification of Ancestry Informative Markers in the Domestic Horse Plant & Animal Genome XIX, January 14th-18th, San Diego USA.

Baptista C, Lopes MS, Rojer H, Mendonça D, da Câmara Machado A (2011) Diagnosis of *Theileria equi* infections in horses in Azores using cELISA and nested PCR. 3th Biotechnology Worskhop, October 6th-7th, Angra do Heroísmo, Portugal.

Luna S, Alves X, Andrade M, Monteiro L, Silva C, Simas M, Mendonça D, Lopes MS, da Câmara Machado A (2011) Biotechnology tools for the conservation and management of Azorean endemic species-*Vaccinium cylindraceum*. 3th Biotechnology Worskhop, October 6th-7th, Angra do Heroísmo, Portugal.

Lopes MS, Cothran G, Juras R, Mendonça D, da Câmara Machado A (2011) Origin of the endangered Terceira pony assessed by microsatellites and mitochondrial DNA sequence variation. 9th Dorothy Russell Havemeyer International Equine Genome Mapping Workshop, July 27th-30th, Chaska, Minnesota, USA.

Mendonça D, Lopes MS, Bettencourt S, Silveira G, da Câmara Machado A (2011) Métodos biotecnológicos no saneamento de variedades de videira. Seminário Vitivinicultura Atlântica, Construir o Futuro, June 9th-12th, Madalena do Pico, Portugal.

Mendonça D, Leitão S, Lopes MS, da Câmara Machado A (2011) Pesquisa de mecanismos moleculares associados à variação dos bagos da casta Verdelho. Seminário Vitivinicultura Atlântica, Construir o Futuro, June 9th-12th, Madalena do Pico, Portugal.

Petersen JL, Mickelson JR, Andersson LS, Bailey E, Bannasch DL, Binns MM, Borges AS, Cothran EG, da Câmara Machado A, Distl O, Felicetti M, Graves KT, Guérin G, Hasegawa T, Haase B, Hill EW, Leeb T, Lopes MS, Lindgren G, Lohi H, Penedo MCT, Piercy R, Røed KH, Ryder OA, Silvestrelli M, Swinburne JE, Tozaki T, Vaudin M, Wade CM, McCue ME (2011) The Equine Genetic Diversity Consortium: An International Collaboration To Describe Genetic Variation In Modern Horse Breeds. Plant & Animal Genome XIX, January 15th-19th, San Diego USA.

Froni I, Baptista C, Monteiro L, Lopes MS, Mendonça D, Monjardino P, Lopes DJH, da Câmara Machado A (2010) The use of microsatellites to analyze the relationships and to decipher homonyms and synonyms in Azorean Apple (*Malus domestica* Borkh.) cultivars. 28th International Horticultural Congress, 22nd-27th August 2010, Lisbon, Portugal.

Froni I, Baptista C, Monteiro L, Lopes MS, Mendonça D, Monjardino P, Lopes DJH, da Câmara Machado A (2010) Assessment of the genetic variability within and among Portuguese apple cultivars revealed by SSRs. 28th International Horticultural Congress, 22nd-27th August 2010, Lisbon, Portugal.

Lopes MS, Distl O, Wagner G, Mendonça D, da Câmara Machado A (2009) The use of the Illumina Equine SNP50 Beadchip in the identification of quantitative trait loci associated with osteochondrosis in hock in the Lusitano horse. 8th Dorothy Russell Havemeyer International Equine Genome Mapping Workshop, July 22nd-25th, Newmarket, UK.

Leitão S, Mendonça D, Lopes MS, da Câmara Machado A (2008) Identification and characterization of molecular mechanisms involved in the colour of berry grape. XVIth National Congress of Biochemistry, 22nd-25th October. Ponta Delgada, Portugal.

Mendonça D, Foroni I, Lopes MS, Leitão S, da Câmara Machado A (2008) Molecular phytopathology: From plant pathogen diagnosis to research on resistance mechanisms. XVIth National Congress of Biochemistry, October 22nd-25th, Ponta Delgada, Portugal.

Baptista C, Monteiro L, Foroni I, Lopes MS, Mendonça D, Monjardino P, Lopes DJH, da Câmara Machado A (2008) Caracterização molecular de cultivares de castanheiro dos Açores. 1^{as} Jornadas Científicas do Instituto de Biotecnologia e Biomedicina dos Açores, September 25th-26th, Angra do Heroísmo, Portugal.

David CM, Tavares AC, Baldaia J, Lopes MS, da Câmara Machado A (2008) Preservação do “Pónei da Terceira”. 1^{as} Jornadas Científicas do Instituto de Biotecnologia e Biomedicina dos Açores, September 25th-26th, Angra do Heroísmo, Portugal.

Leitão S, Mendonça D, Lopes MS, da Câmara Machado A (2008) Identificação e caracterização dos mecanismos moleculares envolvidos na coloração do bago de uva. 1^{as} Jornadas Científicas do Instituto de Biotecnologia e Biomedicina dos Açores, September 25th-26th, Angra do Heroísmo, Portugal.

Lopes MS, Baron EE, Tavares AC, David C, Mendonça D, da Câmara Machado A (2008) Identification of molecular markers for equine melanomas. 1^{as} Jornadas Científicas do Instituto de Biotecnologia e Biomedicina dos Açores, September 25th-26th, Angra do Heroísmo, Portugal.

Lopes MS, Mendonça D, da Câmara Machado A (2008) New insights on the genetic basis of Portuguese grapevine and on grapevine domestication. 1as Jornadas Científicas do Instituto de Biotecnologia e Biomedicina dos Açores, September 25th-26th, Angra do Heroísmo, Portugal.

Lopes MS, Mendonça D, David C, Wagner G, da Câmara Machado A (2008) Strategies for the identification of candidate genes associated with the development of navicular syndrome and osteochondrosis in horses. 1as Jornadas Científicas do Instituto de Biotecnologia e Biomedicina dos Açores, September 25th-26th, Angra do Heroísmo, Portugal.

Tavares AC, Lopes MS, David CM, Mendonça D, da Câmara Machado A (2008) Aplicações da Citometria de Fluxo no Centro de Biotecnologia dos Açores, Universidade dos Açores, Terceira, Açores. 1as Jornadas Científicas do Instituto de Biotecnologia e Biomedicina dos Açores, September 25th-26th, Angra do Heroísmo, Portugal.

Mendonça D, Foroni I, Lopes MS, Leitão S, da Câmara Machado A (2008) Fitopatologia molecular no CBA: da Diagnose de agentes patogénicos ao estudo de mecanismos de resistência. 1as Jornadas Científicas do Instituto de Biotecnologia e Biomedicina dos Açores, September 25th-26th, Angra do Heroísmo, Portugal.

Lopes MS, Baron EE, Domingos M, Agrícola R, Mendonça D, da Câmara Machado A (2007) Analysis of genes polymorphisms: Contribution for a better understanding of the Lusitano breed. 7th Dorothy Russell Havemeyer International Equine Genome Mapping Workshop, August 16th-19th, Tahoe City, USA.

Lopes MS, Cymbron T, Mendonça D, Valera M, da Costa-Ferreira J, da Câmara Machado A (2006) Mitochondrial DNA Insight on the Evolutionary History of the Iberian Horses. Plant & Animal Genome XIV, January 14th-18th, San Diego USA.

Lopes MS, Mendonça D, Sefc KM, Sabino Gil F, da Câmara Machado A (2004) Evidence of Intra-Cultivar Genetic Variability in Olive Cultivars. 5th International Symposium on Olive Growing, September 26th-October 2nd, Izmir, Turkiye.

Sabino Gil F, Lopes MS, Mendonça D, da Câmara Machado A (2003) Rastreio da origem e autenticidade do azeite através da combinação de abordagens genómica e metabolómica (OLIV-TRACK). III Simpósio Nacional de Olivicultura, October 29th-31st, Escola Superior Agrária de Castelo Branco Castelo Branco, Portugal.

Barbosa M, Agrícola R, Lopes MS, da Câmara Machado A (2002) Diagnosis of Genetic Disorders in the Lusitano Breed. I Simpósio Europeu do Cavalo Lusitano, November 5th, Golegã, Portugal.

Silva PM, Lopes MS, Sefc KM, Mendonça D, da Câmara Machado A (1999) Caracterização de cultivares de Damasqueiro através de Microsatélites. 3^o Workshop de Biotecnologia de Plantas: Biotecnologia e Biodiversidade, November 15th-16th, Vila-Real, Portugal.

Lopes MS, Steinkellner H, Sefc KM, Mendonça D, Laimer da Câmara Machado M, da Câmara Machado A (1998) Genotyping of *Vitis* cultivars used for the production of VQPRD and VLQPRD in the Azores by microsatellite markers. VIIème Symposium International Sur la Genetique et L'Amelioration de la Vigne, July 6th-10th, Montpellier, France.

Lopes MS, Mendonça D, Laimer da Câmara Machado M, da Câmara Machado A (1997) Occurrence of grapevine fanleaf virus (GFLV) and grapevine leafroll associated virus III (GLRaV III) in the Azorean Islands Terceira, Pico and Graciosa. 12th Meeting of the International Council for the Study of Viruses and Virus-Like Diseases of the Grapevine, September 28th-October 2nd Lisbon, Portugal.

Kremen R, Lopes MS, da Câmara Machado A, Katinger H, Laimer da Câmara Machado M (1995) *In vitro* regeneration of endangered alpine flowers. Proceedings of the 50th Anniversary of the Institute of Applied Microbiology, April 19th-21st, Vienna, Austria.

Oral presentations (Italics denotes presenter)

Lopes MS, Rojer H, Cabral V, Ceraolo F, da Câmara Machado A (2016) Morphological and genetic characterization of a new breed: the Graciosa Donkey. X Congresso Ibérico sobre Recursos Genéticos Animais, September 15th-17th, Castelo Branco, Portugal.

Lopes MS, Mendonça D, Rojer H, Cabral V, Bettencourt SX, da Câmara Machado A (2016) Morphological and genetic characterization of an emerging Azorean horse breed: the Terceira Pony. X Congresso Ibérico sobre Recursos Genéticos Animais, September 15th-17th, Castelo Branco, Portugal.

Lopes MS, Abreu Ferreira S, Ferreira C, da Costa Ferreira J, Mendonça D, da Câmara Machado A (2015) Evolution of the genetic diversity of the Lusitano breed over the past 4 decades. 11th Dorothy Russell Havemeyer International Equine Genome Mapping Workshop, July 22th-25th, Hannover, Germany.

Schaefer R, Schubert M, The Equine Genetic Diversity Consortium, Orlando L, Mickelson JR, McCue ME (2015) Selection of tagging SNPs and imputation efficiency of the 670K commercial SNP chip. 11th Dorothy Russell Havemeyer International Equine Genome Mapping Workshop, July 22th-25th, Hannover, Germany.

Beeson SK, Mickelson JR, Schaefer R, The Equine Genetic Diversity Consortium, McCue ME (2015) Genotype imputation accuracy between low- and high-density equine SNP arrays. 11th Dorothy Russell Havemeyer International Equine Genome Mapping Workshop, July 22th-25th, Hannover, Germany.

Beeson SK, Mickelson JR, Schaefer R, McCue ME, The Equine Genetic Diversity Consortium (2015) Fine-scale recombination map for the domestic horse. 11th Dorothy Russell Havemeyer International Equine Genome Mapping Workshop, July 22th-25th, Hannover, Germany.

McCue ME, Bailey E, Dindot S, Mickelson JR, Andersson L, Brem G, Brooks S, da Câmara Machado A, Distl O, Drögemüller L, Fries R, Hasse B, Leeb T, Lindgren G, Lopes MS, Orlando L, Penedo C, Piercy RJ, Rieder S, Thaller G, Wade C (2013) Development of a high density SNP array for the domestic horse 10th Dorothy Russell Havemeyer International Equine Genome Mapping Workshop, July 10th-13th, Furnas, S. Miguel, Azores, Portugal.

Mendonça D, Monteiro L, Luna S, Silva C, Simas M, Lopes MS, da Câmara Machado A (2013) Micropropagation of endangered Azorean endemic woody plants as a tool for ecorestoration programs. VIII International Symposium on In Vitro Culture and Horticultural Breeding, June 2-7, Coimbra, Portugal.

Dierks C, Mömke S, Philipp U, Lopes MS, Distl O (2012) The myostatin variant g.66493737T>C detects evolution and domestication in horses. 63rd Annual Meeting of the European Federation of Animal Science. August 27th-31st, Bratislava, Slovakia.

Lopes MS, Mendonça D, da Câmara Machado A (2012) Molecular tools for the characterisation of the Lusitano horse. 3rd Meeting of the Institute for Biotechnology and Bioengineering, March 16th-17th, Lisbon, Portugal.

Bettencourt S, Borba AR, Mendonça D, Lopes MS, Simões N, da Câmara Machado A (2012) Plants of Azorean Hot Springs: an unexplored source of thermostable molecules. 3rd Meeting of the Institute for Biotechnology and Bioengineering, March 16th-17th, Lisbon, Portugal.

Mendonça D, Lopes MS, Monteiro L, Luna S, Silva C, Simas M, Bettencourt S, da Câmara Machado A (2012) Biotechnological tools on the conservation and valorisation of Azorean plant resources. 3rd Meeting of the Institute for Biotechnology and Bioengineering, March 16th-17th, Lisbon, Portugal.

Lopes MS (2012) Molecular tools for understanding horse domestication and as a support for breeding. February 24th, Lleida University, Spain.

Lopes MS (2011) Patologias do foro genético. 3th Biotechnology Worskhop - Animal Biotechnology (Equines), November 5th, Angra do Heroísmo, Portugal.

Lopes MS, Mendonça D, da Câmara Machado A (2011) The domestication of the Portuguese grapevines and the origin of the Azorean Verdelho and Terrantêz do Pico, 3th Biotechnology Worskhop, October 6th-7th, Angra do Heroísmo, Portugal.

Mendonça D, Bettencourt S, Lopes MS, da Câmara Machado A (2011) Biotechnology approaches on the phytosanitary improvement of local crops. 3th Biotechnology Worskhop, October 6th-7th, Angra do Heroísmo, Portugal.

Petersen JL, Mickelson JR, Andersson LS, Bailey EF, Bannasch DL, Binns MM, Securun Borges A, Brama P, Cothran EG, da Câmara Machado A, Distl O, Felicetti M, Fox-Clipsham L, Graves KT, Guérin G, Haase B, Hasegawa T, Hemmann K, Hill EW, Leeb T, Lohi H, Lopes MS, Lindgren G, McGivney BA, Orr N, Penedo MCT, Piercy R, Røed KH, Ryder OA, Silvestrelli M, Swinburne JE, Tozaki T, Vaudin M, Wade CM, McCue ME (2011) Genomic signatures of selection revealed in the modern horse. 9th Dorothy Russell Havemeyer International Equine Genome Mapping Workshop, July 27th-30th, Chaska, Minnesota, USA.

Petersen JL, Mickelson JR, Andersson LS, Bailey EF, Bannasch DL, Binns MM, Securun Borges A, Brama P, Cothran EG, da Câmara Machado A, Distl O, Felicetti M, Fox-Clipsham L, Graves KT, Guérin G, Haase B, Hasegawa T, Hemmann K, Hill EW, Leeb T, Lohi H, Lopes MS, Lindgren G, McGivney BA, Orr N, Penedo MCT, Piercy R, Røed KH, Ryder OA, Silvestrelli M, Swinburne JE, Tozaki T, Vaudin M, Wade CM, McCue ME (2011) The Equine Genetic Diversity Consortium: an international collaboration to describe genetic variation in modern horse breeds. 9th Dorothy Russell Havemeyer International Equine Genome Mapping Workshop, July 27th-30th, Chaska, Minnesota, USA.

Lopes MS, Mendonça D, da Câmara Machado A (2011) A domesticação das castas portuguesas e a origem do Verdelho e do Terrantêz. Seminário Vitivinicultura Atlântica, Construir o Futuro, June 9th-12th, Madalena do Pico, Portugal.

Bettencourt S, Simões A, Pereira A, Mendonça D, Monjardino P, Lopes MS, da Câmara Machado A (2011) Rastreio de vírus em castas recomendadas para a produção de vinhos VLQPRD nas ilhas do Pico e Terceira. Seminário Vitivinicultura Atlântica, Construir o Futuro, June 9th-12th, Madalena do Pico, Portugal.

Lopes MS, da Costa Ferreira J, da Câmara Machado A (2010) The relevance of the matriline at the present Lusitano population. 3rd International Forum: Horses show exactly the way they are ridden, November 6th-7th, Arruda dos Vinhos, Portugal.

Mendonça D, Foroni I, Lopes MS, Leitão S, da Câmara Machado A (2008) Molecular Phytopathology: From plant pathogen diagnosis to research on resistance mechanisms. XVIth National Congress of Biochemistry, October 22nd-25th, Ponta Delgada, Portugal.

Lopes MS, Mendonça D, da Câmara Machado A (2008) Desenvolvimento de testes de diagnose e estudo epidemiológico de várias patologias do foro genético na raça Lusitana. 1as Jornadas Científicas do Instituto de Biotecnologia e Biomedicina dos Açores, September 25th-26th, Angra do Heroísmo, Portugal.

Monteiro L, Baptista C, Foroni I, Lopes MS, Mendonça D, Monjardino P, Lopes DJH, da Câmara Machado A (2008) Métodos biotecnológicos na conservação e melhoramento de cultivares de macieiras dos Açores. 1as Jornadas Científicas do Instituto de Biotecnologia e Biomedicina dos Açores, September 25th-26th, Angra do Heroísmo, Portugal.

da Câmara Machado A, Lopes MS (2008) O Cavallo Lusitano: ADN ancestral na actualidade. Inovação e Sustentabilidade em Produção Equina, June 18th-20th, Alter do Chão, Portugal.

Lopes MS, Mendonça D, da Câmara Machado A (2008) Patologias do foro genético na raça Lusitana. Inovação e Sustentabilidade em Produção Equina, June 18th-20th, Alter do Chão, Portugal.

Lopes MS, Mendonça D, da Câmara Machado A (2008) Caracterização do património genético nacional com base em marcadores moleculares. I Congresso Regional de Fruticultura e Viticultura, April 17th-19th, Praia da Vitória, Portugal.

da Câmara Machado A, Lopes MS, Mendonça D (2008) A biotecnologia no desenvolvimento da fruticultura e viticultura. I Congresso Regional de Fruticultura e Viticultura, April 17th-19th, Praia da Vitória, Portugal.

Monteiro L, Baptista C, Foroni I, Oliveira R, Lopes MS, Mendonça D, Melo M, Domingues A, Ferreira A, Carvalho CF, Monjardino P, Lopes DJH, da Câmara Machado A (2008) Caracterização molecular de cultivares de macieira dos Açores. I Congresso Regional de Fruticultura e Viticultura, April 17th-19th, Praia da Vitória, Portugal.

Baptista C, Monteiro L, Foroni I, Oliveira R, Lopes MS, Mendonça D, Melo M, Domingues A, Ferreira A, Carvalho CF, Monjardino P, Lopes DJH, da Câmara Machado A (2008) Caracterização molecular de cultivares de castanheiro dos Açores. I Congresso Regional de Fruticultura e Viticultura, April 17th-19th, Praia da Vitória, Portugal.

Mendonça D, Oliveira R, Monteiro L, Baptista C, Lopes MS, Monjardino P, Lopes DJH, da Câmara Machado A (2008) Detecção de vírus e fitoplasmas em macieiras dos Açores. I Congresso Regional de Fruticultura e Viticultura, April 17th-19th, Praia da Vitória, Portugal.

da Câmara Machado A, Lopes MS (2007) Ancient DNA in modern times: The Lusitano breed. XI^e colloque de l'École National d'Equitation, November 24th, Paris, France

Agrícola R, Lopes MS, Domingos M, Mendonça D, Baron EE, Barbosa M, da Câmara Machado A (2007) Despiste de osteocondrose na raça Lusitana. IV Jornadas Científicas: Equinicultura, April 28th-30th, Angra do Heroísmo, Portugal.

Lopes MS, Domingos M, Agrícola R, Mendonça D, Baron EE, Barbosa M, da Câmara Machado A (2007) Patologias do foro genético na raça Lusitana. IV Jornadas Científicas: Equinicultura, April 28th-30th, Angra do Heroísmo, Portugal.

Lopes D, Monjardino P, Mendonça D, Lopes MS, Sabino Gil F, Filipe C, Domingues A, Melo M, Janeiro S, Monteiro L, da Câmara Machado A (2006) A participação do parceiro Açores no projecto GERMOBANCO II. Symposium Internacional sobre Conservación de la Biodiversidad Agrícola, May 10th-13th, Tenerife, Spain.

Mendonça D, Lopes MS, Monteiro JP, Brás L, da Câmara Machado A (2005) Biotechnological applications for the improvement of grapevines. XVII International Botanical Congress, July 17th-23rd, Vienna, Austria.

Lopes MS, da Costa Ferreira J, Mendonça D, da Câmara Machado A (2004) The Lusitano horse maternal lineage based on mitochondrial D-loop sequence variation. XIV Congresso de Zootecnia, A Zootecnia - O Futuro, October 7th-9th, Angra do Heroísmo, Portugal.

Lopes MS, Mendonça D, Sabino Gil F, da Câmara Machado A (2003) Caracterização molecular do germoplasma olivícola através de microsatélites. III National Symposium on Oliviculture, October 29th-31st, Castelo Branco, Portugal.

Lopes MS, Rodrigues dos Santos M, Mendonça D, Sabino Gil F, Eiras Dias JE, da Câmara Machado A (2003) Contribution of *Vitis vinifera sylvestris* on the evolution of portuguese grapevines. 1st International Symposium on Grapevine: Growing, Commerce and Research, June 30th- July 2nd, Lisbon, Portugal.

Lopes MS (2001) Desenvolvimento de métodos moleculares de diagnose de doenças do foro genético no cavalo de raça Lusitana. 3as Jornadas Científicas do Toiro de Lide, March 9th-11th, Angra do Heroísmo, Portugal.

PEER-REVIEW ACTIVITIES FOR INTERNATIONAL JOURNALS

- 2017 Equine Veterinary Journal
- 2014 Reproduction in Domestic Animals
Plos One
Research and Reports in Biology
- 2012 PloS One
- 2011 Molecular Ecology
Animal Reproduction Science
- 2010 Zoological Science

LANGUAGES

- Portuguese** (excellent reading, writing and speaking)
- English** (excellent reading, writing and speaking)
- German** (excellent reading and speaking, good writing)
- French** (basic reading and speaking)
- Spanish** (basic reading and speaking)
- Italian** (basic reading and speaking)