

Curriculum vitae

Helena Sofia de Henriques Lebre de Campos Pereira

Birth place and date: Lisbon (Lisboa) Portugal, 27-07-1965

Institutional address:

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Academic degrees:

Year	Academic Degree	Institution	Classification
1995	Doctorate of Philosophy	York University, Canada	Honours and Distinction
1990	Honours Bachelor of Science	York University, Canada	Honours and Distinction

Participation in research projects:

Coordination of scientific projects:

Principal Investigator: Funcional do germoplasma Português de videira: Desenvolvimento de ferramentas moleculares para aplicações agrónomicas e conservação da variabilidade. PTDC/AGR-GPL/100552/2008. April 2010-April 2013

Principal Investigator. Large scale screen for genes important in production associated phenotypes in Vitis. POCI/AGR/58320/2004. January 2006- January 2009

Participation in scientific projects:

Agro 187. Aplicação de Técnicas de Biologia Molecular à Caracterização das Variedades Portuguesas de Videira. February 2002- February 2005

Participation in international research groups:

European Concerted Research Cost Action 858. Viticulture: Biotic and abiotic stress.

ERA-NET Plant genomics platform. Grapevine functional genomics.

Publications:

Thesis

Ph.D. thesis title: Genetic characterization of foraging behaviour in *Drosophila melanogaster*. 1995, York University, Toronto Canada

Honours BSc. thesis title: Behavioural differences in *Drosophila melanogaster* adults. 1990, York University, Toronto Canada

Papers in international journals

Pereira HS, Barão A, Caperta A, Rocha J, Viegas W, Delgado M. 2009. Rye Bs Disclose Ancestral Sequences in Cereal Genomes with a Potential Role in Gametophyte Chromatid Segregation. *Molecular Biology and Evolution*. 26(8):1683–1697

Silva M, Pereira HS, Bento M, Santos A, Shaw P, Delgado M, Neves N, Viegas W. 2008. Interplay of Ribosomal DNA *Loci* in Nucleolar Dominance: Dominant NORs Are Up-Regulated by Chromatin Dynamics in the Wheat-Rye System. *PLoS ONE* 3: e3824 doi:10.1371/journal.pone.0003824

Miguel Bento, M., Pereira H.S.*, Rocheta, M., Gustafson, P., Viegas, W., and Silva, M. 2008 Polyploidization as a Retraction Force in Plant Genome Evolution: Sequence Rearrangements in Triticale. *PLoS ONE* 3: e1402.. doi: 10.1371/journal.pone.0001402 (* Co-first author)

Almadanim, M.C., Baleiras-Couto, M.M., Pereira, H.S., Carneiro, L.C., Fevereiro, P., Eiras-Dias, J.E., Morais, L., Viegas, W. and Veloso, M.M. 2007. Genetic diversity of the grapevine (*Vitis vinifera* L.) cultivars most utilized for wine production in Portugal. *Vitis* 46:116-119

Pereira, H.S., Barão, A., Delgado, M., Leonor Morais-Cecílio, L., and Viegas, W. 2005. Genomic Analysis of Grapevine Retrotransposon 1 (Gret1) in *Vitis vinifera*. *Theor. and Appl. Genet.* 111:871-878

Custódio, N., Carmo-Fonseca, M., Geraghty, F., Pereira, H.S., Grosveld, F., and Antoniou, M. 1999. Inefficient processing impairs release of RNA from the site of transcription. *The EMBO Journal*. 10:2855-2866

Osborne, K., Robichon, A., Burgess, E., Butland, S., Shaw, R.A., Coulthard, Pereira, H.S., Greenspan, R.J. and Sokolowski, M.B. 1997. Natural behavior polymorphism due to a cGMP-dependent protein kinase of *Drosophila*. *Science* 277: 834-836.

Sokolowski, M.B., Pereira, H.S., and Hughes, K.D. 1997. Evolution of foraging behaviour in *Drosophila* by density dependent selection. *Proc.Natl.Acad.Sci. USA*. 94: 7373-7377

Pereira, H.S., MacDonald, D.E., Hilliker, A.H., and Sokolowski, M.B. 1995. Chaser (Csr), a new gene affecting larval foraging behaviour in *Drosophila melanogaster*. *Genetics*. 140: 263-270

Pereira, H.S., and Sokolowski, M.B. 1993. Larval foraging mutations in *Drosophila melanogaster* affect adult foraging behavior. *Proc.Natl.Acad.Sci. USA*. 90: 5044-5046

Papers in conference proceedings

Bento M, Pereira HS, Rocheta M, Gustafson, P., Viegas, W., and Silva, M. 2007. Chromosome Research 15: 9

Pereira HS, Rocha J, Margarida D, Jones, N., and Viegas, W. 2007. *Chromosome Research* 15: 81

Pereira, H.S., Barão, A., Delgado, M., Leonor Morais-Cecílio, L., and Viegas, W. 2005. International Grape Genomics Symposium. St. Louis, Missouri, July 12-14,. pp. 113-116

Almandanim, M.C., Baleiras-Couto, M., Pereira, H.S., Melo, E., Fevereiro, P., Eiras-Dias, J.E., Morais, L., Viegas, W., and M.M. Veloso. 2004. Évora, Portugal. May 26-28, Vol. 1, pp. 23-29

Pereira, H.S., Burgess, E., Campos, A., Greenspan, R., Osborne, K., Robichon, A., and M.B Sokolowski. 1995. *Behavior Genetics* 25: 300

Communications:

Oral communications by invitation

Pereira, H.S., Burgess, E., Campos, A., Greenspan, R., Osborne, K., Robichon, A., and M.B Sokolowski. Symposium on heredity, nervous system and behaviour. Richmond Virginia, USA. June 3-4, 1995

Other oral communications

Pereira, H.S., and Viegas, W. Cost Action 858 Workshop "Vineyard under environmental constraints: Adaptations to climate change " *Abiotic Stress Ecophysiology and Grape Functional Genomics* Lodz, Poland, October 18-20, 2007

Bento, M., Pereira H.S., Rocheta, M., Gustafson, P., Viegas, W., and Silva, M. 16th International Chromosome Conference, Amsterdam, The Netherlands, August 25-29, 2007

Pereira, H.S., Barão, A., Delgado, M., and Viegas, W. International Conference on Grape Genetics and Breeding, Udine, Italy, July 2-6, 2006

Miguel, M.B., Pereira, H.S., Silva, M., Gustafson, J.P., and Viegas, W.. II Encontro Nacional sobre Marcadores Moleculares, Estação Zootécnica Nacional, Santarém, October 27-28, 2005

Pereira, H.S., Barão, A., Delgado, M., Leonor Morais-Cecílio, L., and Viegas, W. International Grape Genomics Symposium. St. Louis, Missouri, July 12-14, 2005

Almandanim, M.C., Baleiras-Couto, M., Pereira, H.S., Melo, E., Fevereiro, P., Eiras-Dias, J.E., Morais, L., Viegas, W., and M.M. 60 Simpósio de Vitivinicultura do Alentejo. Évora, Portugal. May 26-28, 2004

Almandanim, M.C., Baleiras-Couto, M., Pereira, H.S., Melo, E., Fevereiro, P., Eiras-Dias, J.E., Morais, L., Viegas, W., and M.M. Veloso. Estação Vitivinícola Nacional, Dois Portos, Portugal. January 24, 2003

Custódio, N., Carmo-Fonseca, M., Geraghty, F., Hurst, J., Pereira, H.S., and M. Antoniou. Dynamic Organization of Nuclear Function. Cold Spring Harbor, New York, USA. October 7-11, 1998

Pereira, H.S., Yang, P., Hilliker, A.J., Gundelfinger, E. and Sokolowski, M.B. Molecular characterization of foraging behaviour. 6th European Symposium on Drosophila Neurobiology. Regensburg, Germany. September 15-19, 1996

Pereira, H.S., and M.B. Sokolowski. XXX Reunião Annual da Sociedade Portuguesa de Microscopia Electrónica e Biologia Celular. Porto, Portugal. December 14-15, 1995

Posters in conferences

Pereira HS, Barão A, Caperta A, Rocha J, Viegas W, and Delgado M. Rye Bs reveal functional sequences in cereal genomes with a potential role in chromatid segregation. 8th Plant Genomics European Meeting. Lisboa Portugal, October 07-10, 2009

Pereira, H.S., Silva, J.A. Delgado, M., Eiras-Dias, J.E., and Viegas, W. XVI Congresso de Bioquímica. Ponta Delgada, Açores Portugal, October 22-25, 2008.

Bento, M., Pereira H.S., Gustafson, P., Viegas, W., and Silva, M. XVI Congresso de Bioquímica. Ponta Delgada, Açores Portugal, October 22-25, 2008.

Serrano, I., Delgado, M., Barão, A., Viegas, W., and Pereira, H.S. Cost Action 858 Workshop “Ecophysiological and agronomical tools to improve grape and wine quality”. Porto, Portugal, May 25-27, 2008

Pereira, H.S., Delgado, M., Rocha, J., Jones, N., and Viegas, W. Molecular analysis of a B-specific sequence in the rye B chromosome. 16th International Chromosome Conference, Amsterdam, The Netherlands, August 25-29, 2007

Ribeiro, T., Pereira, H.S., Pires, N. Barão, A., Rocheta, M., Viegas, W., Morais-Cecilio, L. 5th Plant Genomics European Meetings, Venice, Italy, October 11-14, 2006

Pereira, H.S., Hilliker, A.H., and Sokolowski, M.B. 4th European Symposium on Drosophila Neurogenetics. Glasgow, Scotland. September 6-10, 1992

Pereira, H.S., and Sokolowski, M.B. 36th Annual Meeting of the Genetics Society of Canada. Queens University, Kingston, Ontario. June 11-14, 1991

Pereira, H.S., and Sokolowski, M.B. 3rd European Symposium on Drosophila Neurogenetics. St.Remy, France. October 28-November 1, 1990