

Visão global

Editar CV

segunda-feira, 10-09-2018 :: 11:00

Margarida Maria Demony de Carneiro Pacheco de Matos
[Terminar sessão](#)**Visão global****1. Dados pessoais****Nome completo**

Margarida Maria Demony de Carneiro Pacheco de Matos

Nome sob o qual publica

Margarida Matos

Número de identificação fiscal (NIF)

149476892

Documento de identificação (BI, passaporte...)

5043131

Data de nascimento

08-07-1958

País de nacionalidade

Estados Unidos

Sexo

F

Morada institucionalDepartamento de Biologia Animal - Centre for Ecology, Evolution and Environmental Changes (cE3c), Faculdade de Ciências, Universidade Lisboa
Campo Grande
1749-016 Lisboa
Portugal**Morada de residência**Av. Alvares Cabral 1 A 1
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URL<http://ce3c.ciencias.ulisboa.pt/member/margarida-matos>**2. Formação académica****Ano:** 1983**Grau:** LICENCIATURA**Classificação:** Muito Bom com distinção (Very good with distinction)**Instituição que conferiu o grau:** Universidade de Lisboa**Faculdade:** Faculdade de Ciências**Título da tese:** Contribuição para o estudo da estratégia demográfica em *Drosophila*: *Drosophila simulans* e *Drosophila subobscura***Orientador:** Maria Teresa Rocha Pité**Co-orientador:** n/a

Domínio científico: Ecologia Evolutiva

Anos curriculares: 5

Designação do curso: Biologia

Ano: 1997

Grau: DOUTORAMENTO

Classificação: Distinção e Louvor (distinction and honour)

Instituição que conferiu o grau: Universidade de Lisboa

Faculdade: Faculdade de Ciências

Título da tese: Evolução da Senescência: alteração de matrizes de variâncias-covariâncias genéticas aditivas e valores médios de características relacionadas com a fitness, num processo adaptativo de uma população de *Drosophila subobscura*

Orientador: Maria Teresa Rocha Pité

Co-orientador: n/a

Domínio científico: Genética

Designação do curso: Biologia

Ano: 2008

Grau: AGREGAÇÃO

Classificação: Unanimity

Instituição que conferiu o grau: Universidade de Lisboa

Faculdade: Faculdade de Ciências

Título da tese: A domesticação: contribuição para problemáticas evolutivas e de conservação ex-situ

Orientador: n/a

Co-orientador: n/a

Domínio científico: Biologia Animal

Designação do curso: Biologia

3. Actividades anteriores e situação actual

Período	Cargo, categoria ou actividade	Instituição
01-9-2013 a	Coordinator of the Thematic Line 'Evolutionary Biology'	Centre for Ecology, Evolution and Environmental Changes
01-9-2009 a	Member of the Executive Committee	Centre for Environmental Biology (since 2015 Centre for Ecology, Evolution and Environmental Changes, cE3c)
29-12-2015 a	Associate Professor with 'Agregação'	Departamento de Biologia Animal Faculdade de Ciências da Universidade de Lisboa
29-2-2008 a 28-12-2015	Assistant Professor with 'Agregação'	Department of Animal Biology, Faculty of Sciences, University of Lisbon
01-1-2015 a	Ph.D. Researcher	Centro de Ecologia, Evolução e Alterações Ambientais
17-3-1997 a 31-12-2014	Ph.D. Researcher	Centro de Biologia Ambiental
17-3-1997 a 28-2-2008	Assistant Professor	Department of Animal Biology, Faculty of Sciences, University of Lisbon
26-7-1988 a 16-3-1997	Teacher-Assistant	Department of Zoology and Anthropology, Faculty of Sciences, University of Lisbon

4. Área de actividade científica

Evolutionary Biology, Evolutionary Genetics, Evolutionary Ecology, Experimental Evolution

Margarida Matos is Associate Professor at the Department of Animal Biology of the Faculty of Sciences of the University of Lisbon with a PhD in Genetics in 1997, and she is a Researcher at the Centre for Ecology, Evolution and Environmental Changes (cE3c). Her research field is Evolutionary Ecology, using Experimental Evolution as tool and *Drosophila* as model organism. Since 2009 she is a member of the Executive Committee of cE3c and since 2013 the Coordinator of the Thematic Line Evolutionary Biology of cE3c. Margarida Matos is a member of the Research Group 'Evolutionary Ecology' of cE3c, being the Principal Investigator of the sub-group 'Local Adaptation in *Drosophila*'.

5. Domínio de especialização

Domínio de especialização

Evolutionary Ecology; Experimental Evolution.

Margarida Matos research uses Experimental evolution as tool and *Drosophila subobscura* as a model organism, to study the evolutionary patterns and processes during adaptation to novel environments. This is approached by analyzing real time evolution of repeated colonizations of *Drosophila subobscura* populations to a laboratory environment.

Her research has so far highlighted that populations have abundant standing genetic variation to adapt to novel environments, with selection quickly erasing the signs of history in fitness-related traits, while genetic differentiation between populations may be maintained.

She has authored more than 60 scientific publications, including 2 books and more than 30 articles in journals of recognized merit in Evolutionary Biology.

See more at: <http://ce3c.ciencias.ulisboa.pt/member/margarida-matos>; ORCID ID: 0000-0001-6998-5133; Researcher ID: K-2365-2012.

Actuais interesses de investigação

The genomic and transcriptomic basis of adaptation. Historical constraints and fitness landscapes as a function of contrasting histories. Patterns and rates of convergence at the phenotypic and genome-wide level; degree of convergence and predictability of evolution comparing different founder populations and its association with genetic variability. Evolution of chromosomal polymorphism. The evolution of mating behaviour, including mate choice copying. The effect of population size on adaptive patterns and processes.

The main ongoing project is the analysis, at several biological levels, of the evolution of populations of *Drosophila subobscura* founded from contrasting latitudes, to understand the role of History and Selection during Adaptation, the predictability of evolution and the genome-wide mechanisms underlying clinal variation of inversions.

Outras competências/actividades

Margarida Matos is Associate Professor at the Department of Animal Biology, Faculty of Sciences of the University of Lisbon (FCUL). She has taught many disciplines in Bachelor and Master Courses, supervised 8 PhD theses and 4 Post-Docs. She has many long term collaborations in several research fields, such as evolution of life-histories with Michael R. Rose, evolution of clinal variation with Mauro Santos etc. She is member of the 'ESF Pool of peer reviewers', Associate Editor of the journal 'Evolution' and member of the editorial board of 'Journal of Genetics' and 'Frontiers in Genetics'. She participated in an ESF Research Network 'ThermAdapt' and in meetings organizations, eg XIV CONGRESS OF ESEB (2013). She refereed articles in many journals, e.g. Mol. Ecol., 'Genetics Research', 'J. Evol. Biol.', 'Proc. Royal Soc. B', 'Evolution', 'Biological Invasions', 'Ecological Genetics and Genomics'. She is a member of the scientific societies ESEB, SSE and APBE (Portuguese Soc. Evolution).

6. Experiência na orientação

Post-Doc supervisions

Filipa Vala, (co-supervisor with David Sloan Wilson, University of Binghamton, USA), 2010-2017, grant from FCT SFRH/BPD/66108/2009 (suspended 2012, resumed September 2013, ending September 2017).

Pedro Miguel Moraes Corado Simões, November 2010-August 31 2013, post-doc grant within the project "Evolution of latitudinal clines in reverse: how much do populations converge under adaptation to a novel, common environment?" PTDC/BIA-BEC/098213/2008, financed by FCT.

Pedro Miguel Moraes Corado Simões, FCT post-doc fellowship ref SFRH/BPD/86186/2012, September 1 2013-August 31 2016; September 1 2016-present (renewed triennium).

Sofia Gonçalves Seabra, February 1 2014-November 30 2015, post-doc grant within the project "History, chance and selection during local adaptation: a genome-wide analysis" PTDC/BIA-BIC/2165/2012 financed by FCT.

Susana Varela, January 2015-August 31 2016

Ph.D. supervisions

Élio Sucena (co-supervisor), Gulbenkian Foundation/FCT, 1996/2001 (successfully defended).

Patrícia do Ó Beldade (co-supervisor), Gulbenkian Foundation/FCT, 1996/2002 (successfully defended).

Ana Rita de Ayres Ponce (co-supervisor), PRAXIS XXI, 1999-2006 (successfully defended in July 2007).

Pedro Miguel Moraes Corado Simões (supervisor), scholarship from FCT SFRH/BD/10604/2002, within the project POCTI/BSE/33673/2000 and POCI/BIA-BDE/55853/2004. (successfully defended in December 2007).

Carla José Azevedo Rego (supervisor since 2002), PRAXIS XXI, 2000-2006 (successfully defended in January 2008).

Josiane Miranda Sales Santos (co-supervisor with Professor Marta Pascual University of Barcelona, Spain), scholarship from FCT SFRH/BD/28498/2006 (start January 2007, successfully defended January 22nd 2016).

Marta Alexandra Arandas dos Santos (co-supervisor with Professor Michael R. Rose, University of California, Irvine), scholarship from FCT SFRH/BD/46363/2008 (start February 2009, successfully defended July 12th 2018).

Inês Regina Lopes Mendonça Fragata (co-supervisor with Professor Mauro Santos, Universitat Autònoma de Barcelona, Espana), scholarship from FCT SFRH/BD/60734/2009 (start February 2010, successfully defended September 14th 2015).

Sietze Johannes Norder. 2017-... (co-supervisor with Paulo Borges, University of Azores and Kenneth F. Rijdsdijk, University of Amsterdam), scholarship from FCT, BIODIV programme, Faculty of Sciences of the University of Lisbon.

Manuel António Pinto Sapage. 2017 (tutor), 2018-...(supervisor with Susana Varela, FCUL and Ingo Schlupp, University of Oklahoma), scholarship from FCT, BIODIV programme, Faculty of Sciences of the University of Lisbon.

Master's supervision

Inês Fragata, 2006/2007, thesis in the Master of 'Evolutionary and Developmental Biology', DBA/FCUL(successfully defended February 12th 2008).

Marta Arandas dos Santos, 2007/2008, thesis in the Master of 'Evolutionary and Developmental Biology', DBA/FCUL(successfully defended November 14th 2008).

João Guilherme Picão Osório, 2008/2009, thesis in the Master of 'Evolutionary and Developmental Biology', DBA/FCUL(successfully defended. November 23rd 2009)

Ana Margarida Bárbaro, 2010/ 2011, thesis in the Master of 'Evolutionary and Developmental Biology', DBA/FCUL (supervisor with Sara Magalhães, FCUL, successfully defended October 12th 2011).

Margarida Lima, 2010/ 2011, thesis in the Master of 'Evolutionary and Developmental Biology', DBA/FCUL (successfully defended December 14th 2011).

Gonçalo Faria Silva, 2013/ 2014, thesis in the Master of 'Evolutionary and Developmental Biology', DBA/FCUL (supervisor with Susana Varela, FCUL, successfully defended October 30th 2014).

Ana Catarina Morais, 2014/ 2015, thesis in the Master of Evolutionary and Developmental Biology', DBA/FCUL (co-supervisor with Lilia Perfeito, IGC, successfully defended December 15th 2015).

Marta Maria Alves Antunes, 2016/ 2017, thesis in the Master in 'Bioinformatics and Computational Biology' (supervisor with Sofia Seabra, FCUL, successfully defended November 15th 2017).

BIIC scholarship
Ana Leitão Duarte, 2001-2003, within the project POCTI/BSE/33673/2000

BTI scholarship
Ana Leitão Duarte, 2003-2004, within the project POCTI/BSE/33673/2000
Josiane Santos, 2005-2006, within the project POCI/BIA-BDE/55853/2004
Inês Fragata, 2007, within the project POCI/BIA-BDE/55853/2004
Inês Fragata, 2008-February 2010 within the project PTDC/BIA-BDE/65733/2006
Pedro Simões, January-November 2008, within the project PTDC/BIA-BDE/65733/2006
Ana Marques, November 2008-April 2010, within the project PTDC/BIA-BDE/65733/2006
Margarida Lima, February 2010-April 2011
Miguel Cunha, April-July 2010, within the project PTDC/BIA-BDE/65733/2006
Bárbara Kellen, July 2010-April 2011, within the project PTDC/BIA-BDE/65733/2006

BI scholarships
Miguel Cunha, July 1 2010-September 30 2013, within the project PTDC/BIA-BEC/098213/2008
Marta Arandas dos Santos, September 1 2013-February 28 2014, within the project PTDC/BIA-BIC/2165/2012
Inês Fragata, March 1 2014-November 30 2015, within the project PTDC/BIA-BIC/2165/2012

BII scholarship
Miguel Almeida, 2009-2010, within the project PTDC/BIA-BDE/65733/2006

'Amadeu Dias' scholarship
Mário Mira, 2010/ 2011, within the project PTDC/BIA-BEC/098213/2008

Last year project (trainee year) of undergraduate students
Pedro Miguel Moraes Corado Simões, 2001/2002
Ana Leitão Duarte, 2002/2003
Raquel Gonçalves, 2002/2003

7. Participação em projectos

Participação em projectos de investigação (coordenador/membro de equipas)

<p>Financed projects</p> <p>Coordinator of the project</p> <p>'History, chance and selection during local adaptation: a genome-wide analysis' PTDC/BIA-BIC/2165/2012 financed by FCT, start June 1 2013, end November 30 2015 (coordinator of the project).</p> <p>'Evolution of latitudinal clines in reverse: how much do populations converge under adaptation to a novel, common environment?' PTDC/BIA-BEC/098213/2008, financed by FCT, April 1 2010-September 30 2013 (coordinator of the project).</p> <p>'The genetic basis of adaptation to captivity: the <i>Drosophila subobscura</i> mode' PTDC/BIA-BDE/65733/2006, financed by FCT, January 1 2008-December 31 2010. (coordinator of the project).</p> <p>'Convergent evolution during local adaptation: comparison of phenotypic and molecular changes of populations founded synchronously', POCI/BIA-BDE/55853/2004, financed by FCT, 2005-2007 (coordinator of the project).</p> <p>'Evolutionary processes during laboratory adaptation in <i>Drosophila subobscura</i>: analysis of microsatellites and life-history traits', financed by FCT (co-participation of FEDER), nº POCTI/BSE/33673/2000, 2001-2004 (coordinator of the project).</p> <p>'Evolutionary trajectories of fitness-related traits', Programa de Acções Integradas Luso-Espanholas - 2004 Nº E-36/04, financed, in the portuguese part, by CRUP, 2004-2005 (coordinator, together with Mauro Santos, for the Spanish part).</p> <p>Member of the team</p> <p>As Co-PI</p> <p>'Real-time evolutionary response to climate warming: a multi-level approach in populations of contrasting biogeographical history', PTDC/BIA-EVL/28298/2017, financed by FCT, predicted start October 1st 2018-end September 30 2021 (Coordinator Pedro Simões)</p> <p>'Host-microbe interactions and the evolution of aging', PTDC/BIA-EVL/28757/2017, financed by FCT, predicted start October 1st 2018-end September 30 2021 (Coordinator Ivo Chelo)</p> <p>Other</p> <p>'The social fly: genetic architecture for social learning neural circuits in <i>Drosophila melanogaster</i>', financed by FCT, predicted start October 1st 2018-end September 30 2021 (Coordinator Susana Varela)</p> <p>'Evolution of sex allocation strategies in the mite <i>Tetranychus urticae</i>, a major crop pest'(ref. FCT-ANR/BIA-EVF/0013/2012), coordinated by Sara Magalhães (CBA/ CE3C) and Isabelle Olivieri (Univ. Montpellier), start April 1 2013 end predicted 31 August 2016.</p> <p>'L' évolution du sex-ratio: modèles et évolution expérimentale utilisant l'acarien haplo-diploide <i>Tetranychus urticae</i>' Project PICS of mobility (ref. PICS9ADOSE) coordinated by Sara Magalhães (CBA) and Isabelle Olivieri (Univ. Montpellier). 2010-2012 (member of the team).</p> <p>'Adaptive processes of a population of <i>Drosophila subobscura</i> to laboratory conditions', financed by JNICT nº PMCT/C/CEN/647/90, 1990-1993 (member of the team).</p> <p>An ecological study of the entomofauna of Laurissilva of Madeira: basis for its conservation, financed by PRAXIS XXI, 1996-1999 (member of the team).</p> <p>Projects without direct financemnt</p> <p>'Thermal adaptation in ectotherms: Linking life history, physiology, behaviour and genetics', European Science Foundation Research Networking Programme – portuguese member in the Steering Committee of the programme. (2006-2011). M. Matos is a member of the Steering Committee of this Networking Programme.</p>

8. Prémios e Distinções

Ano	Prémio ou distinção	Entidade promotora
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9. Publications

<p>Teses</p> <p>Matos, M. (1997). Evolução da Senescência: alteração de matrizes de variâncias-covariâncias genéticas aditivas e valores médios de características relacionadas com a fitness, num processo adaptativo de uma população de <i>Drosophila subobscura</i>. Dissertation presented at the University of Lisbon to obtain the Ph. D. degree.</p> <p>Livros (autor)</p> <p>AVELAR, T., M. MATOS & C. REGO (2004). Quem tem medo de Charles Darwin? O problema da selecção natural. Coleção Mosaicos da Ciência. Editora Relógio d'Água.</p> <p>Livros (editor)</p> <p>ROSE, M.R., H.B. PASSANANTI & M. MATOS (EDS.)(2004). Methuselah Flies: A Case Study in the Evolution of Aging. World Scientific Publishing, Singapore.</p> <p>Capítulos de livros</p> <p>VALA, F. & M. MATOS (2014). Pensar a nossa espécie à luz da teoria evolutiva: passado e presente. In: Professor Carlos Almaça (1934-2010) - Estado da Arte em Áreas Científicas do Seu Interesse. MJ Alves, A Cartaxana, AM Correia, LF Lopes (eds), Museu Nacional de História Natural e da Ciência, Lisboa, pp. 197-237.</p> <p>SIMÕES, P., J. SANTOS & M. MATOS(2009). Experimental Evolutionary Domestication. In: Experimental Evolution. GARLAND, T. & M. R. ROSE (EDS.), California University Press, pp. 89-110.</p> <p>ROSE, M.R. & M. MATOS (2004). The creation of methuselah flies by laboratory evolution. In: Methuselah Flies: A Case Study in the Evolution of Aging. ROSE, M.R., H.B. PASSANANTI & M. MATOS (EDS.), chap. 1, World Scientific Publishing, Singapore, pp. 3-9.</p> <p>ROSE, M. R., H. B. PASSANANTI & M. MATOS (2004). Introduction: why methuselah flies? In: Methuselah Flies: A Case Study in the Evolution of Aging. ROSE, M.R., H.B. PASSANANTI & M. MATOS (EDS.), World Scientific Publishing, Singapore, pp. ix-xiv.</p> <p>ROCHA PITÉ, M.T.; C. REGO; M. MATOS & T. AVELAR (1999). Drosofilídeos (Insectos, Dipteros). In: Caracterização da Flora e Fauna do Montado da Herdade da Ribeira Abaixo (Grândola, Baixo-Alentejo). M.</p>

Santos Reis e A. I. Correia editores, Centro de Biologia Ambiental, Lisboa, pp. 155-168.

AVELAR, T., M. T. ROCHA PITÉ & M. MATOS (1994). A teoria evolutiva e o progresso. In: Professor Germano da Fonseca Sacarrão, Museu Nacional de História Natural, pp. 287-298.

Artigos em revistas de circulação internacional com arbitragem científica

(IF=impact factor in Web of Science JCR on the year of publication except for 2018, IF and Quartil of 2017)

FARIA, F. S., FRAGATA, I., SIMÕES, P., SEABRA, S. G., SANTOS, M. A., MATOS, M.* & VARELA, S. A. M.*. Mate-choice copying does not promote hybridisation in *Drosophila subobscura* populations. *Journal of Evolutionary Biology* (submitted). * joint last authors.

FRAGATA, INÊS, PEDRO SIMÕES, MARGARIDA MATOS, EÖRS SZATHMÁRY & MAURO SANTOS. 2018. Playing evolution in the laboratory: From the first major evolutionary transition to global warming. *EPL* 122 38001. (IF2017= 1.834) [2017: Q2 Multidisciplinary].

VARELA, SUSANA A. M., MARGARIDA MATOS & INGO SCHLUPP. 2018. The role of mate-choice copying in speciation and hybridization. *Biological Reviews* 93: 1304-1322. (IF2017= 11.700) [2017: Q1 Biology].

SEABRA, SOFIA G., INÊS FRAGATA, MARTA A. ANTUNES, GONÇALO S. FARIA, MARTA A. SANTOS, VITOR C. SOUSA, PEDRO SIMÕES & MARGARIDA MATOS. 2018. Different genomic changes underlie adaptive evolution in populations of contrasting history. *Molecular Biology and Evolution* 35(3): 549-563. (IF2017= 10.217) [2017: Q1 Evolutionary Biology].

SIMÕES, P., FRAGATA, I., SEABRA, S. G., FARIA, G. S., SANTOS, M. A., ROSE, M. R., SANTOS, M. & MATOS, M. 2017. Predictable phenotypic, but not karyotypic, evolution of populations with contrasting initial history. *Scientific Reports* 7:913. (IF2017= 4.122) [2017: Q1 Multidisciplinary Sciences].

SANTOS, M., SAPAGE, M., MATOS, M. & VARELA, S. A. M. 2017. Mate-choice copying: a fitness-enhancing behavior that evolves by indirect selection. *Evolution*. Online Early (IF2016= 4.201). [2016: Q1 Ecology; Q1 Evolutionary Biology]

FRAGATA, I., LOPES-CUNHA, M., BÁRBARO, M., KELLEN B., LIMA, M., FARIA, G.S., SEABRA, S.G., SANTOS, M., SIMÕES, P.* & MATOS, M.* 2016. Keeping your options open: maintenance of thermal plasticity during adaptation to a stable environment. *Evolution* 70(1): 195-206. doi:10.1111/evo.12828. [*joint last authors] (IF2016= 4.201). [2016: Q1 Ecology; Q1 Evolutionary Biology]

SANTOS, J., PASCUAL, M., FRAGATA, I., SIMÕES, P., SANTOS, M. A., LIMA, M., MARQUES, A., LOPES-CUNHA, M., KELLEN, B., BALANYÀ, J., ROSE, M. R. & MATOS, M. 2016. Tracking changes in chromosomal arrangements and their genetic content during adaptation. *Journal of Evolutionary Biology* 29: 1151-1167. doi: 10.1111/jeb.12856. (IF2016= 2.792). [2016: Q2 Ecology; Q2 Evolutionary Biology].

SIMÕES, P.*, FRAGATA, I. *, LOPES-CUNHA, M., LIMA, M., KELLEN, B., BÁRBARO, M., SANTOS, M.** & MATOS, M.**. 2015. Wing trait-inversions associations in *Drosophila subobscura* can be generalized within continents, but may change through time. *Journal of Evolutionary Biology* 28: 2163-2174. * Joint first authors; ** Joint last authors. (IF= 2.747). [Q2 Ecology; Q2 Evolutionary Biology].

BÁRBARO, M., M. S. MIRA, I. FRAGATA, P. SIMÕES, M. LIMA, M. LOPES-CUNHA, B. KELLEN, J. SANTOS, S. A. M. VARELA, M. MATOS * & S. MAGALHÃES (2015). Evolution of mating behavior between two populations adapting to common environmental conditions. *Ecology and Evolution* 5(8): 1609-1617 [* joint last authors] (IF= 2.537). [2015: Q2 Ecology].

MATOS, M., P. SIMÕES, M. A. SANTOS, S. SEABRA, G. FARIA, F. VALA, J. SANTOS & I. FRAGATA (2015). History, chance and selection during phenotypic and genomic experimental evolution: replaying the tape of life at different levels. *Frontiers in Genetics* 6:71. doi: 10.3389/fgene.2015.00071 (listed in WoS but not JCR, no IF)

FRAGATA, I., M. LOPES-CUNHA, M. BÁRBARO, B. KELLEN, M. LIMA, M. A. SANTOS, G. FARIA, M. SANTOS, M. MATOS & P. SIMÕES (2014). How much can history constrain adaptive evolution? A real time evolutionary approach of inversion polymorphisms in *Drosophila subobscura*. *Journal of Evolutionary Biology* 27 (12): 2727-2738. (IF 2013=3.483)

SANTOS, M., M. MATOS & S. A. M. VARELA (2014). Negative public information in mate-choice copying helps the spread of a novel trait. *The American Naturalist* 184 (5): 658-672. (IF 2014=3.832)

FRAGATA, I., P. SIMÕES, M. LOPES-CUNHA, M. LIMA, B. KELLEN, M. BÁRBARO, J. SANTOS, M. R. ROSE, M. SANTOS & M. MATOS (2014). Laboratory selection quickly erases historical differentiation. *PLoS ONE* 9(5): e96227. (IF 2014=3.234)

SANTOS, J., M. PASCUAL, P. SIMÕES, I. FRAGATA, M. R. ROSE & M. MATOS (2013). Fast evolutionary genetic differentiation during experimental colonizations. *Journal of Genetics* 92 (2): 183-194. (IF=1.013)

SANTOS J., M. PASCUAL, P. SIMÕES, I. FRAGATA, M. LIMA, B. KELLEN, M. SANTOS, A. MARQUES, M. R. ROSE & M. MATOS (2012). From nature to the lab: the impact of founder effects on adaptation. *Journal of Evolutionary Biology* 25: 2607-2622. (IF=3.479)

MATOS M. (2012). Maternal effects can inflate rate of adaptation to captivity. *Proceedings of the National Academy of Sciences USA* 109 (36): E2380. doi/10.1073/pnas.1202193109. (IF=9.737)

MAGALHÃES S. & M. MATOS (2012). Strengths and weaknesses of experimental evolution. *Trends in Ecology and Evolution* 27: 649-650. (IF=15.389)

ROSE, M. R., T. FLATT, J. L. GRAVES, L. F. GREER, D. E. MARTÍNEZ, M. MATOS, L. D. MUELLER, R. J. SHMOOKLER REIS & P. SHAHRESTANI (2012). What is aging? *Front. Gene.* 3:134. doi: 10.3389/fgene.2012.00134. (listed in WoS but not JCR, no IF)

MATOS, M. (2012). A question never comes alone: comments on 'What is aging?' *Front. Gene.* 3:150. doi: 10.3389/fgene.2012.00150. (listed in WoS but not JCR, no IF)

SIMÕES, P., M. PASCUAL, M. M. COELHO & M. MATOS (2010). Divergent evolution of molecular markers during laboratory adaptation in *Drosophila subobscura*. *Genetica* 138: 999-1009. (IF=2.358)

SANTOS, M., I. FRAGATA, J. SANTOS, P. SIMÕES, A. MARQUES, M. LIMA & M. MATOS (2010) Playing Darwin. Part B. 20 years of domestication in *Drosophila subobscura*. *Theory in Biosciences* 129:97-102. (IF= 1.264)

REZENDE, E. L., J. BALANYÀ, F. RODRÍGUEZ-TRELLES, C. REGO, I. FRAGATA, M. MATOS, L. SERRA & M. SANTOS. 2010. Climate change and chromosomal inversions in *Drosophila subobscura*. *Climate Research* 43:103-114. (IF= 2.110)

REGO, C., J. BALANYÀ, I. FRAGATA, M. MATOS, E. REZENDE & M. SANTOS (2010). Clinal patterns of chromosomal inversion polymorphisms in *Drosophila subobscura* are partly associated with thermal preferences and heat stress resistance. *Evolution* 64: 385-397. (IF= 5.659)

- MATOS, M. (2010) Playing Darwin. Part A. Experimental Evolution in *Drosophila*. *Theory in Biosciences* 129:89–96. (IF= 1.264)
- FRAGATA, I., J. BALANYÀ, C. REGO C., M. MATOS, E. REZENDE E. & M. SANTOS (2010). Contrasting patterns of phenotypic variation linked to chromosomal inversions in native and colonizing populations of *Drosophila subobscura*. *Journal of Evolutionary Biology* 23: 112-123. (IF= 3.656)
- SIMÕES, P., M. PASCUAL, J. SANTOS, M. R. ROSE & M. MATOS (2009). Correction: Evolutionary dynamics of molecular markers during local adaptation: a case study in *Drosophila subobscura* *BMC Evolutionary Biology* 2009, 9:133. (IF=4.294)
- SIMÕES, P., J. SANTOS, I. FRAGATA, L. D. MUELLER, M. R. ROSE & M. MATOS (2008). How Repeatable is Adaptive Evolution? The role of geographical origin and founder effects in laboratory adaptation. *Evolution* 62: 1817-1829. (IF=4.737) (most download paper of 'Evolution' in 2008)
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Outras publicações

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10. Comunicações

Comunicações orais por convite

Conferences by Margarida Matos

- Matos, M. (speaker). From Nature to the Lab: a story in five chapters and twenty years told in thirty minutes', by invitation of Patricia Salgueiro, Instituto de Higiene e Medicina Tropical, March 1st 2016.
- Matos, M. (speaker). From Nature to the Lab: a story in five chapters and twenty years told in forty minutes', by invitation of Lounès Chikhi, Instituto Gulbenkian de Ciência, December 14th 2015.
- Debate 'Does Evolutionary Theory need a rethink?' Participation by invitation of the organizers, Faculty of Sciences of the University of Lisbon, October 7th 2015.
- Book presentation: Quem tem medo de Charles Darwin? by invitation of the organizers of 'Darwin's legacy tea party', April 17 2015. Faculdade de Ciências, Universidade de Lisboa.
- Darwin no laboratório: evolução em tempo real. II Jornadas de Investigação em Biologia. February 24 2014. Faculdade de Ciências, Universidade de Lisboa.
- From Nature to the Lab: the role of Selection, Chance and History during adaptation to a novel environment, by invitation of the organizers of 'International Conference on Evolutionary Patterns', Fundação Calouste Gulbenkian, Lisbon, May 29 2013.
- From Nature to the Lab: the role of Selection, Chance and History during adaptation to a novel environment, by invitation of Isabelle Olivieri, Institut des Sciences de L'Evolution, Université Montpellier-2, January 28 2013.
- 'From Nature to Lab: all hell breaks loose - 18 years studying evolutionary Domestication in *Drosophila subobscura*' M. Matos, Instituto Gulbenkian de Ciência, by invitation of Dr. Henrique Teotónio, October 13 2011.
- 'From Nature to Lab: all hell breaks loose - 18 years studying evolutionary Domestication in *Drosophila subobscura*', Department of Ecology and Evolutionary Biology, University of California, Irvine, California USA, by invitation of Professor Michael R. Rose, June 28 2011.
- 'Evolutionary dynamics of microsatellites and life-history traits during local adaptation: a case study in *Drosophila subobscura*' by invitation of Professor Christian Schlotterer, Institut für Tierzucht und Genetik, Veterinärmedizinische Universität Wien, Austria, June 23, 2009.
- 'A Evolução Experimental ou a Biologia Evolutiva no sentido mais empírico do termo: 'Brincando a Darwin', at the conference 'Evolucionismo e Sociedade', held at the Universidade Lusófona de Humanidades e Tecnologias, May 19, 2009.
- 'Experimental Evolution as the most empirical tool of Microevolutionary studies: playing Darwin', at the conference 'Evolution today and tomorrow', held at the Faculdade de Ciências da Universidade de Lisboa, April 23-24, 2009.
- 'O que nos ensinaram duas décadas de evolução experimental em *Drosophila*?'. Invited talk in the cycle of conferences 'Evolucionismo e criacionismo: uma relação impossível'. *Culturgest*, October 12, 2007.
- 'Evolução Experimental em *Drosophila subobscura*'. Centro de Biologia Ambiental, Faculdade de Ciências da Universidade de Lisboa. May 7, 2007.
- 'Previsibilidades e incertezas da evolução convergente', Ciclo de Conferências no âmbito da Semana da Ciência 2004 - Centro de Biologia Ambiental, Faculdade de Ciências da Universidade de Lisboa, November 25, 2004.
- 'How consistent is convergent evolution in the lab? Comparisons of four studies in *Drosophila subobscura*' Departamento de Genética y Microbiología, Facultat de Ciències, Universitat Autònoma de Barcelona October 22, 2004.

- 'How variable is convergent evolution? Comparison of three studies of laboratory adaptation in *Drosophila subobscura*': 'Institute of Evolutionary and Ecological Sciences (EEW), Leiden University, Netherlands', April 17, 2002.
- 'Convergent Evolution in the lab: comparison of two studies in *Drosophila subobscura*': 'Departamento de Genética, Facultat de Biologia, Universitat de Barcelona, Espana', September 18, 2001, for the group of genetics in studies in *Drosophila subobscura* of this Department and of researchers from Universitat Autònoma de Barcelona.
- 'Evolution of plasticity: a scientific question becomes a methodological problem': 'Department of Ecology and Evolutionary Biology, University of California, Irvine, California, USA', April 22, 1999, for the "Resistance-group".
- 'The effect of males' adaptation on the expression of females' life-history traits': 'Department of Ecology and Evolutionary Biology, University of California, Irvine, California, USA', February 19, 1998, for the 'aging-group'.
- 'Adaptation of a wild population of *Drosophila subobscura* to a laboratorial environment': 'Department of Ecology and Evolutionary Biology, University of California, Irvine, California, USA', February 11, 1998, for Michael R. Rose's students.
- 'Evolution of senescence: change in the genetics of life-history traits as a wild population of *Drosophila subobscura* adapts to a novel environment': 'University of Santa Cruz, California, USA', June 11 1997, expenses payed by UCSC.
- 'Evolution of senescence: change in the genetics of life-history traits as a wild population of *Drosophila subobscura* adapts to a novel environment': 'Department of Ecology and Evolutionary Biology, University of Irvine, California, USA', May 27, 1997, for the 'T-group', and May 29 for the 'aging-group'.

National Meetings

- Simões, Pedro (speaker), Inês Fragata, Paulo Sousa, Sofia G. Seabra, Margarida Matos. Predictability of short-term versus long-term phenotypic evolution in *Drosophila subobscura* populations of contrasting histories. 4th Annual Meeting cE3c. July 9-10 2018.
- Antunes, Marta A. (speaker), Pedro Simões, Inês Fragata, Gonçalo S. Faria, Marta A. Santos, Margarida Matos, Sofia G. Seabra. Real-time evolution of the genomic content of inversions in initially differentiated populations of *Drosophila subobscura*. 12. XIII ENCONTRO NACIONAL DE BIOLOGIA EVOLUTIVA – Campus de Penha, Faros, December 20, 2017.
- Vala, Filipa (speaker) Margarida Matos. Cooperation in humans: testing predictions of Multilevel Selection Theory (MLST) using ultimatum games. 3rd Annual Meeting cE3c. June 5-6 2017, Ponta Delgada, Açores, Portugal.
- Simões, Pedro (speaker), Inês Fragata, Gonçalo S. Faria, Marta Antunes, Marta A. Santos, Sofia G. Seabra, Margarida Matos. Predictability of evolution of populations with contrasting history varies between biological levels. 3rd Annual Meeting cE3c. June 5-6 2017, Ponta Delgada, Açores, Portugal.
- Antunes, Marta A. (speaker), Pedro Simões, Inês Fragata, Gonçalo S. Faria, Marta A. Santos, Margarida Matos, Sofia G. Seabra. Genomic changes during adaptive evolution of *Drosophila subobscura* populations of contrasting biogeographical history. 3rd Annual Meeting cE3c. June 5-6 2017, Ponta Delgada, Açores, Portugal.
- Antunes, Marta A. (speaker), Pedro Simões, Inês Fragata, Gonçalo S. Faria, Marta A. Santos, Margarida Matos, Sofia G. Seabra. Genomic approaches to the study of adaptive evolution in *Drosophila subobscura* populations of contrasting biogeographical history. Bioinformatics Open Days 6th Edition. February 22-24 2017, Braga, Portugal.
- Fragata, Inês (speaker), Pedro Simões, Claudia Bank & Matos, Margarida. Predictability of long-term, but not short-term phenotypic evolution in *Drosophila*. 2nd Annual Meeting cE3c. June 27-28 2016, Lisbon, Portugal.
- Seabra, Sofia G (speaker), Inês Fragata, Gonçalo S. Faria, Marta A. Santos, Miguel Lopes-Cunha, Pedro Simões & Margarida Matos. Genomics of laboratory adaptation in clinal populations of *Drosophila subobscura*. 2nd Annual Meeting cE3c. June 27-28 2016, Lisbon, Portugal.
- Fragata, Inês (speaker), Pedro Simões, Margarida Bárbaro, Bárbara Kellen, Josiane Santos, Marta A. Santos, Gonçalo S. Faria, Sofia G. Seabra, Mauro Santos & Margarida Matos. Phenotypic and genetic levels tell different tales. Convergence (or not so much...) during adaptation to a new environment. XI ENCONTRO NACIONAL DE BIOLOGIA EVOLUTIVA – Campus de Caparica, December 21, 2015, Universidade Nova de Lisboa.
- Faria, Gonçalo S. (speaker), Inês Fragata, Marta A. Santos, Pedro Simões, Sofia G. Seabra, Margarida Matos & Susana A. M. Varela. Can social learning promote hybridisation? Mate-choice copying in *Drosophila subobscura* populations. 11º CONGRESSO DA SOCIEDADE PORTUGUESA DE ETOLOGIA – Vairão, 9-10 de outubro, 2014, CIBIO.
- Varela Susana A.M. (speaker), Mauro Santos & Margarida Matos. Negative public information in mate-choice copying helps the spread of a novel trait. 11º CONGRESSO DA SOCIEDADE PORTUGUESA DE ETOLOGIA – Vairão, 9-10 de outubro, 2014, CIBIO.
- Fragata, Inês (speaker), Pedro Simões, Miguel Lopes-Cunha, Margarida Lima, Bárbara Kellen, Margarida Bárbaro, Josiane Santos, Mauro Santos & Margarida Matos. Quick adaptation to a new environment erases signature of history in natural populations. IX ENCONTRO NACIONAL DE BIOLOGIA EVOLUTIVA - Oeiras, December 2013.
- Bárbaro, Margarida (speaker), I. Fragata, P. Simões, M. Lima, M. Lopes-Cunha, B. Kellen, J. Santos, M. Matos & S. Magalhães. Are reproductive barriers involved in the maintenance of a latitudinal cline? VII ENCONTRO NACIONAL DE BIOLOGIA EVOLUTIVA – Coimbra, December 21 2011.
- Fragata, Inês (speaker), J. Balanyà, C. Rego, M. Matos, E. Rezende and Mauro Santos 'Different patterns of wing size and shape linked to chromosomal inversions in *Drosophila subobscura* populations'. VI ENCONTRO NACIONAL DE BIOLOGIA EVOLUTIVA, Lisbon, Portugal, December 21, 2009, Instituto Superior de Psicologia Aplicada, Lisbon, Portugal.
- Matos, Margarida 'Homology versus analogy in Evo-Devo: what are we talking about?' V Jornadas Biologia do Desenvolvimento, June 29 -July 1, 2000, Lisbon (Portugal).
- Matos, M. 'Does plasticity of developmental traits evolve during the adaptation to a novel environment? A case study in *Drosophila subobscura*'. IV Jornadas Biologia do Desenvolvimento, July 1-3, 1999, Lisbon (Portugal).

- Matos, Margarida & T. Avelar 'A importância da Genética Quantitativa em Ecologia Comportamental'. I Congresso Nacional de Etologia, November 28-30, 1991, Lisbon (Portugal).
- Avelar, Teresa & M. Matos 'Seleção parental e altruísmo'. Colóquio de Etologia, October 22-23, 1987, Lisbon (Portugal).

International Meetings

- Matos, Margarida (speaker), Inês Fragata, Marta A. Santos, Gonçalo S. Faria, Mauro Santos, Sofia G. Seabra & Pedro Simões. 5. Can we predict Adaptive Evolution? A question with many answers. XXI Seminario de Genética de Poblaciones y Evolución. 3-5 October 2016. Sitges, Spain.
- Seabra, Sofia G. (speaker), Ines Fragata, Pedro Simoes, Gonçalo S. Faria, Marta A. Santos, Miguel Lopes-Cunha & Margarida Matos. 4. Evolve and reseq: tracking genomic changes during adaptation of clinal populations. ConGenomics 2016. 3-6 May 2016. Campus de Vairão.
- Fragata Inês (speaker), Pedro Simões, Claudia Bank & Margarida Matos. Predictability of long-term, but not short-term phenotypic evolution of *Drosophila*. Mathematical and Computational Evolutionary Biology. June 12-16 2016, Montpellier, France.
- Faria, Gonçalo S. (speaker), Inês Fragata, Marta A. Santos, Pedro Simões, Sofia G. Seabra, Margarida Matos & Susana A. M. Varela. Can social learning promote hybridisation? Mate-choice copying in *Drosophila subobscura* populations. March 5 2015. Lab Chats -St. Andrews, Scotland, UK.
- Varela, Susana A. M. (speaker, invitation), Mauro Santos M. & Margarida Matos. Negative social information, mate-choice copying and species diversity. March 3 2015. Centre for Biological Diversity (CBD) seminar series. University of St. Andrews. Scotland.
- Fragata, Inês (speaker), P. Simões, M. Lopes-Cunha, M. Lima, B. Kellen, M. Bárbaro, J. Santos, Mauro Santos & M. Matos. Quick adaptation to a new environment erases signature of history in natural populations. XIV Congress of the European Society for Evolutionary Biology Lisboa, 19-24 August 2013.
- Santos, Marta A. (speaker), M. R. Rose & M. Matos. Evolutionary dynamics with small and large population sizes: Life history and N_e in forward and reverse selection. Evolution Ottawa. First Joint Congress on Evolutionary Biology. Ottawa, Ontario, June 6-10 2012.
- Santos, Mauro (speaker), Carla Rego, Joan Balanyà, Inês Fragata, Margarida Matos, and Enrico L. Rezende. Thermal preference and heat stress resistance in clinally varying inversion polymorphisms of *Drosophila subobscura*. Conservation Genetics and Thermal Adaptation Workshop, 'Evolutionary and Physiological Adaptation to Climate Induced Environmental Changes', June 29-July 1, 2009, held in Bialowieza, Poland.
- Matos, Margarida 'What have 90 generations (and more!) of laboratory life-history evolution of *Drosophila subobscura* populations taught us?'. Workshop on 'Evolutionary trajectories of fitness related traits' (programa de ações integradas Luso-Espanholas 2004 Nº E-36/04), November 4, 2005, Lisboa (Portugal).
- Matos, Margarida 'Predictabilities and uncertainties of adaptive evolution in *Drosophila subobscura*'. Sixth International Congress of Systematic and Evolutionary Biology, Patras, Greece, September 9-16, 2002, with P. Simões, A. Duarte, T. Avelar, C. Rego and M. R. Rose, under the title: 'Convergent evolution during laboratory adaptation: temporal and spatial comparisons in *Drosophila subobscura* adaptation to novel environments'. Workshop on "Experimental Evolution", 4-5 October, 2004, Fribourg (Switzerland).
- Matos, Margarida, P. Simões, A. Duarte, T. Avelar, C. Rego and M. R. Rose, 'Convergent evolution during laboratory adaptation: temporal and spatial comparisons in *Drosophila subobscura*'. Sixth International Congress of Systematic and Evolutionary Biology, Patras, Greece, September 9-16, 2002.
- Matos, Margarida, M. T. Rocha Pité, M. R. Rose, C. Rego and T. Avelar, Testing general theories of senescence: evolution of G-matrices and mean values of life-history traits during the adaptation to a novel environment'. 6th Congress of the European Society for Evolutionary Biology, August 24-28, 1997, Arnhem, Netherlands.
- Matos, Margarida, M. T. Rocha Pité, M. R. Rose and T. Avelar, 'Evolution of Senescence: do genetic correlations change as a population adapts to a novel environment?'. Fifth International Congress of Systematic and Evolutionary Biology, August 17-24, 1996, Budapest, Hungary.
- Matos, Margarida & M. T. Rocha Pité, 'Egg-viability in *Drosophila subobscura* under semi-natural conditions', Tenth European *Drosophila* Research Conference, Barcelona (Spain) August 31- September 4, 1987.
- Matos, Margarida 'Genetic correlations of life history traits in *Drosophila*: retrospects and prospects'. Workshop on "Evolution and Ecology of Genetic Systems", September 20-23 1991, Woudschoten (Netherlands). (Invited by the European Society for Evolutionary Biology)

Outras comunicações orais

- Antunes, Marta (speaker), Pedro Simões, Inês Fragata, Gonçalo S. Faria, Marta A. Santos, Margarida Matos, Sofia G. Seabra. Genomic changes during adaptive evolution of *Drosophila subobscura* populations of contrasting biogeographical history. 3rd Annual Meeting cE3c. June 5-6 2017, Ponta Delgada, Açores, Portugal.
- Simões, Pedro (speaker), Inês Fragata, Gonçalo S. Faria, Marta Antunes, Marta A. Santos, Sofia G. Seabra, Margarida Matos. Predictability of evolution of populations with contrasting history varies between biological levels. 3rd Annual Meeting cE3c. June 5-6 2017, Ponta Delgada, Açores, Portugal.
- Seabra, Sofia G (speaker), Inês Fragata, Gonçalo S. Faria, Marta A. Santos, Miguel Lopes-Cunha, Pedro Simões & Margarida Matos. Genomics of laboratory adaptation in clinal populations of *Drosophila subobscura*. 2nd Annual Meeting cE3c. June 27-28 2016, Lisbon, Portugal.
- Fragata, Inês (speaker), Pedro Simões, Claudia Bank & Margarida Matos. Predictability of long-term, but not short-term phenotypic evolution in *Drosophila*. 2nd Annual Meeting cE3c. June 27-28 2016, Lisbon, Portugal.
- Fragata, Inês (speaker), Pedro Simões, Margarida Bárbaro, Bárbara Kellen, Josiane Santos, Marta A. Santos, Gonçalo S. Faria, Mauro Santos & Margarida Matos. Decoupling between phenotypic and karyotypic evolution during adaptation: who's to blame? 1ST ANNUAL MEETING CE3C 'FRONTIERS IN E3'- FCUL June 19-20 2015.
- Faria, Gonçalo S. (speaker), Inês Fragata, Marta A. Santos, Pedro Simões, Sofia G. Seabra, Margarida Matos & Susana A. M. Varela. Aprender as diferenças: Quando é que o mate-choice copying pode facilitar a hibridação?. III Jornadas de Investigação em Biologia. February 24-26 2015. Faculdade de Ciências, Universidade de Lisboa.
- Fragata, Inês (speaker), Gonçalo S. Faria, Marta A. Santos, Pedro Simões, Sofia G. Seabra, Mauro Santos &

Margarida Matos. Quanto é que a História pode afectar a adaptação? Duas versões de uma estória. III Jornadas de Investigação em Biologia. February 24-26 2015. Faculdade de Ciências, Universidade de Lisboa.

- II Congresso Ibérico de Entomologia, Lisboa June 17-22, 1985, with M. T. Rocha Pité and T. Avelar, under the title: 'Daily fecundity of *Drosophila simulans*, *D. subobscura* and *D. phalerata* (Diptera, Drosophilidae) throughout the year under semi-natural conditions'

Comunicações em painel ("poster")

- XIV ENCONTRO NACIONAL DE BIOLOGIA EVOLUTIVA – Museu Nacional de História Natural e da Ciência, Lisboa, October 11-12 2018. Simões, Pedro, Inês Fragata, Sofia G. Seabra, Marta A. Antunes, Margarida Matos. How predictable is evolution of populations with contrasting history? A study across biological levels.
- (Idem). Marta A. Antunes, Pedro Simões, Inês Fragata, Vítor C. Sousa, Margarida Matos, Sofia G. Seabra. Tracking genome-wide and genetic content of inversion changes in populations of contrasting history.
- II Joint Meeting on Evolutionary Biology - Montpellier, France, August 19-22 2018. Simões, Pedro, Inês Fragata, Sofia G. Seabra, Marta A. Antunes, Margarida Matos. How predictable is evolution of populations with contrasting history? A study across biological levels.
- (Idem). Marta A. Antunes, Pedro Simões, Inês Fragata, Vítor C. Sousa, Margarida Matos, Sofia G. Seabra. Tracking genome-wide and genetic content of inversion changes in populations of contrasting history.
- XIII ENCONTRO NACIONAL DE BIOLOGIA EVOLUTIVA – Campus de Penha, Faros, December 20, 2017. Simões, Pedro, Fragata, Inês, Seabra, Sofia G., Faria, Gonçalo S., Santos, Marta A., Margarida Matos. Is evolution of populations with contrasting initial history predictable across biological levels?
- XVI Congress of the European Society for Evolutionary Biology – University of GRONINGEN, THE NETHERLANDS, August 20-25 2017. Simões, Pedro, Inês Fragata, Sofia G. Seabra, Gonçalo S. Faria, Marta A. Santos & Margarida Matos. Predictability of evolution of populations with contrasting initial history varies across biological levels.
- (Idem) Seabra, Sofia G., Inês Fragata, Marta A. Antunes, Gonçalo S. Faria, Marta A. Santos, Vítor C. Sousa, Pedro Simões & Margarida Matos. Different genomic changes underlie adaptive evolution in *Drosophila subobscura* populations of contrasting biogeographical history.
- (Idem) Marta A. Antunes, Margarida Matos, Inês Fragata, Gonçalo S. Faria, Marta A. Santos, Pedro Simões & Sofia G. Seabra. Real-time evolution of the genomic content of inversions in initially differentiated populations of *Drosophila subobscura*.
- XII ENCONTRO NACIONAL DE BIOLOGIA EVOLUTIVA - Campus de Santiago da Universidade de Aveiro, December 16, 2016. Santos, Josiane, Pascual, Marta, Fragata, Inês, Simões, Pedro, Santos, Marta A, Lima, Margarida, Marques, Ana, Lopes-Cunha, Miguel, Kellen, Bárbara, Balanyà, Joan, Rose, Michael R & Matos, Margarida. Tracking changes in chromosomal arrangements and their genetic content during adaptation.
- (Idem) Simões, Pedro, Fragata, Inês; Faria, Gonçalo S, Santos, Marta A, Lopes-Cunha, Miguel, Seabra, Sofia & Matos, Margarida. Looking into the genomic content of chromosomal inversions: geographical and temporal variation in sight.
- (Idem) Fragata, Inês (speaker), Simões, Pedro, Bank, Claudia, & Matos, Margarida. Predictability of long-term, but not short-term phenotypic evolution in *Drosophila*.
- (Idem) Antunes, Marta, Seabra, Sofia G., Inês Fragata, Gonçalo S. Faria, Marta A. Santos, Miguel Lopes-Cunha, Pedro Simões & Margarida Matos. Analysis of genomic changes during adaptive evolution in *Drosophila subobscura* populations of contrasting biogeographical history.
- 2nd Annual Meeting cE3c. June 27-28 2016, Lisbon, Portugal. Santos, Josiane, Pascual, Marta, Fragata, Inês, Simões, Pedro, Santos, Marta A, Lima, Margarida, Marques, Ana, Lopes-Cunha, Miguel, Kellen, Bárbara, Balanyà, Joan, Rose, Michael R & Matos, Margarida. Tracking changes in chromosomal arrangements and their genetic content during adaptation.
- (Idem) Simões, Pedro, Fragata, Inês; Faria, Gonçalo S, Santos, Marta A, Lopes-Cunha, Miguel, Seabra, Sofia & Matos, Margarida. Looking into the genomic content of chromosomal inversions: geographical and temporal variation in sight.
- Congenomics 2016: conference on Conservation Genomics. Vairão, Portugal, May 3-6, 2016. Simões, Pedro, Inês Fragata, Sofia G. Seabra, Gonçalo S. Faria, Marta A. Santos & Margarida Matos. Unravelling the genomic content of inversions: a RADseq approach in *D.subobscura*.
- XI ENCONTRO NACIONAL DE BIOLOGIA EVOLUTIVA – Campus de Caparica, December 21, 2015, Universidade Nova de Lisboa: Faria, Gonçalo S., Inês Fragata, Pedro Simões, Sofia G. Seabra, Marta A. Santos, Susana A. M. Varela & Margarida Matos. Learning to tell the differences: When can mate-choice copying facilitate hybridisation?
- (Idem) Seabra, Sofia G., Inês Fragata, Pedro Simões, Gonçalo S. Faria, Marta A. Santos, Miguel Lopes-Cunha & Margarida Matos. Genomic changes during adaptation to a common environment in initially differentiated *Drosophila subobscura* populations.
- (Idem) Varela, Susana A.M., Mauro Santos & Margarida Matos. Negative public information in mate-choice copying helps the spread of a novel trait.
- (Idem) Simões, Pedro, Inês Fragata, Sofia G. Seabra, Gonçalo S. Faria, Marta A. Santos & Margarida Matos. Is evolution predictable? Studying temporal and spatial effects at the phenotypic and karyotypic levels.
- (Idem) Matos, Margarida, Inês Fragata, Josiane Santos, Marta A. Santos, Margarida Bárbaro, Bárbara Kellen, Gonçalo S. Faria, Susana A. M. Varela, Mauro Santos, Sofia G. Seabra & Pedro Simões. Predicting Convergent Evolution? A Multi-level Experiment in *Drosophila subobscura*.
- Forecasting Evolution – International Conference, Fundação Calouste Gulbenkian, Lisbon, July 8-11 2015: Matos, Margarida, Inês Fragata, Josiane Santos, Marta A. Santos, Margarida Bárbaro, Bárbara Kellen, Gonçalo S. Faria, Susana A. M. Varela, Mauro Santos, Sofia G. Seabra & Pedro Simões.. Predicting Convergent Evolution? A Mu-level Experiment in *Drosophila subobscura*.
- XV Congress of the European Society for Evolutionary Biology – University of LAUSANNE, SWITZERLAND August 10-14 2015: Faria, Gonçalo S., Inês Fragata, Pedro Simões, Sofia G. Seabra, Marta A. Santos, Susana A. M. Varela & Margarida Matos. Learning to tell the differences: When can mate-choice copying facilitate hybridisation?
- (Idem) Fragata, Inês, Pedro Simões, Margarida Bárbaro, Bárbara Kellen, Josiane Santos, Marta A. Santos, Gonçalo S. Faria, Mauro Santos & Margarida Matos. How much can history constrain evolution? The two sides of a story.
- (Idem) Seabra, Sofia G.; Inês Fragata, Pedro Simões, Gonçalo S. Faria, Marta A. Santos, Miguel Lopes-Cunha & Margarida Matos. Genomic changes during adaptation to a common environment in initially differentiated
- (Idem) Simões, Pedro, Inês Fragata, Sofia G. Seabra, Gonçalo S. Faria, Marta A. Santos & Margarida Matos. How much is adaptive evolution contingent on space and time? A meta-analysis in *Drosophila subobscura*.
- (Idem) Varela, Susana A. M., Mauro Santos & Margarida Matos. Negative public information in mate-choice copying helps the spread of a novel trait.
- 1ST ANNUAL MEETING CE3C 'FRONTIERS IN E3- FCUL June 19-20 2015: Seabra, Sofia G., Inês Fragata, Pedro Simões, Gonçalo S. Faria, Marta A. Santos, Miguel Lopes-Cunha & Margarida Matos. Evolve and reseq - adaptation to a new environment in populations of contrasting history.
- (Idem) Simões, Pedro, Inês Fragata, Sofia G. Seabra, Gonçalo S. Faria, Marta A. Santos & Margarida Matos. Predicting evolution: the effect of time and space in traits and inversions.
- (Idem) Varela, Susana A. M., Mauro Santos & Margarida Matos. How negative can it be copying the mate choices of others?

- (Idem) Faria, Gonalo S., Ines Fragata, Pedro Simoes, Sofia G. Seabra, Marta A. Santos, Susana A. M. Varela & Margarida Matos. Do as I do: copying in the context of sexual selection.
- X ENCONTRO NACIONAL DE BIOLOGIA EVOLUTIVA – MNHNC, Lisboa, December 22, 2014: Faria, G. S.; Fragata, I.; Simoes, P.; Seabra, S. G.; Santos, M. A.; Matos, M. & Varela, S. A. M.. The role of mate-choice copying in hybridization; Fragata, I.; Lopes-Cunha, M.; Barbaro, M.; Kellen, B.; Lima, M.; Santos, M. A.; Faria, G. S.; Santos, M.; Matos, M. & Simoes P. How much can history constrain evolution? Lessons from inversion polymorphisms in *D. subobscura*; Seabra, S. G.; Fragata, I.; Simoes, P.; Faria, G. S.; Santos, M. A.; Lopes-Cunha, M. & Matos, M. Genome-wide analysis during laboratory adaptation of initially highly differentiated *Drosophila subobscura* populations; Simoes, P.; Fragata, I.; Seabra, S. G.; Faria, G. S.; Santos, M. A.; Santos, M. & Matos, M. Can spatial and temporal variation in genetic backgrounds affect adaptive evolution? A meta-analysis in *Drosophila subobscura*.
- SMBE 2014 – Puerto Rico, June 8-12 2014: Santos, Josiane; Celia Schunter; Josep Francesc Abril, Ines Fragata, Pedro Simoes, Margarida Matos & Marta Pascual. Transcriptome-wide approaches to laboratory adaptation.
- IX ENCONTRO NACIONAL DE BIOLOGIA EVOLUTIVA - Oeiras, December 20, 2013: Santos, Marta A., Margarida Matos & Michael R. Rose. Life history, selection and effective population size shaping evolution during colonization – lessons from *Drosophila melanogaster*; Simoes, Pedro, Ines Fragata, Miguel Lopes-Cunha, Margarida Lima, Barbara Kellen, Margarida Barbaro, Josiane Santos, Mauro Santos & Margarida Matos. The fate of chromosomal inversion polymorphism during adaptation to a novel environment; Faria da Silva, Gonalo, Ines Fragata, Marta A. Santos, Pedro Simoes, Margarida Matos & Susana Varela. What makes female *Drosophila* fall in love?
- 10^o Encontro Nacional de Etologia, Fundao Champalimaud para o Desconhecido, 24-25 October 2013: Faria da Silva, G., M. Matos & S. Varela. What makes female *Drosophila* fall in love?
- XIV Congress of the European Society for Evolutionary Biology, Lisboa, 19-24 August 2013, four posters: Lopes-Cunha, Miguel, P. Simoes, I. Fragata, M. Lima, B. Kellen, Mauro Santos & M. Matos. Variable association between inversions and wing traits in *Drosophila subobscura*: are there consistent differences between continents?; Matos, Margarida, M. Barbaro, M. Mira, I. Fragata, P. Simoes, M. Lima, M. Lopes-Cunha, B. Kellen, J. Santos & S. Magalhoes. Can reproductive barriers maintain differentiation in face of global changes? A case study in *Drosophila subobscura*; Santos, Marta A., M. Matos & M. R. Rose. Life history, selection and effective population size shaping evolution during colonization – lessons from *Drosophila melanogaster*; Simoes, Pedro, I. Fragata, M. Lopes-Cunha, M. Lima, B. Kellen, M. Barbaro, J. Santos, M. Santos & M. Matos. The fate of chromosomal inversion polymorphism during adaptation to a novel environment.
- VIII Encontro Nacional de Biologia Evolutiva, Oeiras, December 21 2012, with three posters: Barbaro M., M. Mira, I. Fragata, P. Simoes, M. Lima, M. Lopes-Cunha, B. Kellen, J. Santos, M. Matos & S. Magalhoes. Evolutionary dynamics of reproductive isolation; Fragata I., P. Simoes, M. Lopes-Cunha, M. Lima, B. Kellen, M. Barbaro, J. Santos & M. Matos. Tug of war - the role of History, Selection and Chance in adaptation to a new environment'; and Simoes P., Fragata I., Lopes-Cunha M., Lima M., Kellen B., Barbaro M., Santos M. & M. Matos. Appearances can be deceiving: clinal variation of inversions and wing traits in *Drosophila subobscura*.'
- Encontro Nacional de Biologia Evolutiva VII, Coimbra, Portugal, 21 December 2011, with two posters under the title: Does clinal differentiation constrain evolutionary response in a novel environment? Fragata, I., Simoes, P., Barbaro M., Lima, M., Lopes-Cunha, M., Kellen, B., Santos, J. and Matos, M.; and Addressing clinal variation of inversions: the relative role of evolutionary history and adaptation to a novel environment, Simoes, P., Fragata, I., Lima, M., Cunha, M., Kellen, B., Barbaro A., Santos, J. and Matos, M.
- 13th Congress of the European Society for Evolutionary Biology', Tubingen, Germany, 20-25 August 2011, with two posters: Clinal differentiation of polygenic traits: how much is it expressed in a novel environment and what are the outcomes of adaptation? Matos, M., Fragata, I., Simoes, P., Barbaro A., Cunha, M., Lima, M., Kellen, B., and Santos, J.; and Addressing clinal variation: the relative role of evolutionary history and adaptation to a novel environment, Simoes, P., Fragata, I., Lima, M., Cunha, M., Kellen, B., Barbaro A., Santos, J. and Matos, M.
- Encontro Nacional de Biologia Evolutiva VI, Lisbon, Portugal, 22 December 2010, with three poster under the titles: Evolutionary dynamics during local adaptation: what are control populations doing behind the scenes? Ines Fragata, Josiane Santos, Margarida Lima, Miguel Cunha, Barbara Kellen, Ana Barbaro, Marta Santos, Pedro Simoes and Margarida Matos; Evolution of chromosomal polymorphisms during adaptation to a novel environment', por Josiane Santos, Ines Fragata, Pedro Simoes, Ana Marques, Marta Santos, Margarida Matos, Mauro Santos, Marta Pascual and Joan Balanya; and 'Is variability of neutral markers a good predictor of evolutionary potential? A case study in *Drosophila subobscura*', por Josiane Santos, Pedro Simoes, Ines Fragata, Marta Santos, Ana Marques, Margarida Lima, Marta Pascual and Margarida Matos.
- Encontro Nacional de Biologia Evolutiva V, Lisbon, Portugal, December 21, 2009, with a poster under the title: The pace of adaptation: do populations catch up or diverge in the long run?, Marta Santos, Ana Marques, Margarida Lima, Ines Fragata, Pedro Simoes and Margarida Matos.
- 12th Congress of the European Society for Evolutionary Biology, Turin, Italy, August 24-29, 2009, with two posters: 'Evolution of chromosomal polymorphisms during adaptation to a novel environment', Josiane Santos, Ines Fragata, Pedro Simoes, Ana Marques, Marta Santos, Margarida Matos, Mauro Santos, Marta Pascual and Joan Balanya; and 'Is variability of neutral markers a good predictor of evolutionary potential? A case study in *Drosophila subobscura*', Josiane Santos, Pedro Simoes, Ines Fragata, Marta Santos, Ana Marques, Margarida Lima, Marta Pascual and Margarida Matos.
- 'Evolution Today and Tomorrow', Lisbon, Portugal, April 23-24, 2009, with a poster 'Domestication in *Drosophila subobscura* – a 20 year experiment on microevolution' Santos, M., I. Fragata, J. Santos, P. Simoes, A. Marques, M. Lima and M. Matos.
- SMBE Annual Meeting 2008, held in Barcelona, Spain, June 5-8, two communications: "Temporal genetic changes during laboratory evolution in *Drosophila subobscura*". Simoes, P., M. Pascual, J. Santos, M. R. Rose & M. Matos; and "Are changes in laboratory adaptation driven by temporal genetic variation?". Santos, J., P. Simoes, I. Fragata, M. Matos & M. Pascual.
- 20th European *Drosophila* Research Conference - Vienna (Austria), September 12-14 2007, under the title "Evolutionary dynamics of microsatellites during laboratory adaptation in *Drosophila subobscura*". Simoes, P., M. Pascual, J. Santos, M. R. Rose & M. Matos.
- Annual meeting of the Society for the Study of Evolution, held in Stony Brook, New York, in June 2006, under the title: "Phenotypic and Molecular Evolution During Domestication; The effects of foundation". P. Simoes, M. Pascual, J. Santos, M. R. Rose, M. Coelho, and M. Matos.
- X Congress of the European Society for Evolutionary Biology, held in Cracovia, Poland, August 18-26, 2005, presenting a poster under the title: 'Temporal changes at neutral microsatellites during local adaptation: the role of genetic drift and selection sweep'. Simoes, P., M. Pascual, M. Coelho & M. Matos.
- IX Congress of the European Society for Evolutionary Biology, Leeds, United Kingdom,, August 18-24, 2003, with two posters, one with P. Simoes, A. Duarte, R. Gonalves, C. Rego, T. Avelar and M. R. Rose, under the

title: 'How predictable is the rate of convergent evolution?', and another with C. Rego, under the title: 'Hybrid breakdown between *Drosophila madeirensis* and *Drosophila subobscura*'.

- 8th Congress of the Evolutionary Society for Evolutionary Biology, Aarhus, Denmark, August 20-25, 2001, with T. Avelar, C. Rego, M. T. Rocha Pité and M. R. Rose, under the title: 'Variation in tempo and mode of convergent evolution: adaptation to the lab in *D. subobscura*'.
- 4º Encontro Nacional de Ecologia, Aveiro, Portugal, entre December 2-4, 1999, with C. Rego, M. T. Rocha Pité, T. Avelar, R. Capela, D. Pombo, Y. Gonçalves and D. Menezes, under the title: 'Drosophila madeirensis, an endemic species from Madeira Island: a basis for future measures of conservation?'.
- 7th Congress of the European Society for Evolutionary Biology, Barcelona, Spain, August 23-28, 1999, with P. Ferreira; N. Salgueiro; C. Rego; T. Avelar and M. T. Rocha Pité, under the title: 'Does plasticity evolve during the adaptation to a novel, stable environment?'.
- VIII Congresso Ibérico de Entomologia, Évora, Portugal, September 7-11, 1998, with two posters: with M. T. Rocha Pité, C. Rego and P. Silva, under the title: 'Daily and seasonal activity of the Drosophilidae species of Herdade da Ribeira Abaixo, Grândola, Portugal'; and with M. T. Rocha Pité, C. Rego, R. Capela, D. Pombo, Y. Gonçalves and D. Menezes, under the title: 'A preliminary survey of the Drosophilidae family associated with the Laurissilva forest in Madeira Island, Portugal'.
- 7º Congreso Ibérico de Entomología, September 19-23, 1996, Santiago de Compostela, Spain, with M. T. Rocha Pité, M. R. Rose and C. Rego, under the title: "Evolution of Senescence: change of early fecundity and starvation resistance as a population adapts to a novel environment".
- Fourth Congress of the European Society for Evolutionary Biology, August 22-28, 1993, Montpellier, France, with H. Teotónio, A. Coelho, C. Rego e M. T. Rocha Pité, under the title: "A trade-off not detected at the individual level appears by group comparison - the phenotypic fallacy".
- 11th European Drosophila Research Conference, September 5-8, 1989, Marseille, France, with M. T. Rocha Pité, under the title: "Mortality during development in *Drosophila subobscura* throughout one year".
- Encontro SPEN/88, Évora, June 3-5, 1988, organized by Sociedade Portuguesa de Entomologia, with M. T. Rocha Pité and T. Avelar, under the title: "Estudo de Estratégias Demográficas em *Drosophila*".
- III Congresso Ibérico de Entomologia, Granada (Spain) September- October 2, 1987, with M. T. Rocha Pité and T. Avelar, under the title: "Comparação da fecundidade de amostras de *Drosophila subobscura* formadas de modo assíncrono em cada estação ao longo de um ano".

11. Línguas

Língua	Leitura	Escrita	Conversação
Português	Excelente	Excelente	Excelente
Inglês	Bom	Bom	Bom
Francês	Bom	Elementar	Elementar