

CURRICULUM VITAE, JORGE M. SANTOS, PHD

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PROFESSIONAL EXPERIENCE

- Dec 2014 – present **Post-doctoral fellow** at Miguel Prudêncio's laboratory, Instituto de Medicina Molecular (IMM), Lisbon, Portugal, within the project "A new whole-organism vaccine against malaria", funded by the Bill and Melinda Gates Foundation. Supervisor: Dr. Miguel Prudêncio.
- Ago 2014 – Nov 2014 **Research fellow** at Gunnar R. Mair's laboratory, Instituto de Medicina Molecular (IMM), Lisbon, Portugal, within the project "Pumilio-regulated gene expression of malaria during mosquito vector to mammalian host transmission". Supervisor: Dr. Gunnar R. Mair.
- Jul 2010 – Jun 2014 **Doctoral student** in Biomedical Sciences – Microbiology and Parasitology at Gunnar R. Mair's laboratory, Instituto de Medicina Molecular (IMM), Lisbon, Portugal. Supervisors: Dr. Gunnar R. Mair and Prof. Maria M. Mota.
- Aug 2007 – Jun 2010 **Research fellow** at the Molecular Evolution and Ecology laboratory, Centro de Recursos Microbiológicos (CREM), Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa, Caparica, Portugal, within the project "The plant pathogenic genus *Phomopsis* and its *Diaporthe* teleomorphs: development and application of morphological, biological and phylogenetic species concepts". Supervisor: Dr. Alan J. L. Phillips.

ACADEMIC DEGREES

- Feb 3rd 2015 **PhD** in Biomedical Sciences – Microbiology and Parasitology, Faculdade de Medicina da Universidade de Lisboa, Lisbon, Portugal
- Oct 27th 2008 **MSc** in Molecular Biology and Genetics, Faculdade de Ciências da Universidade de Lisboa, Lisbon, Portugal
- Jul 18th 2007 **Undergraduate degree** in Microbiology and Genetics, Faculdade de Ciências da Universidade de Lisboa, Lisbon, Portugal

PUBLICATIONS

A) ARTICLES IN JOURNALS

Guerreiro A., Deligianni E.*, **Santos J.M.***, Silva P.A.G.C., Louis C., Pain A., Janse C.J., Franke-Fayard B., Carret C.K., Siden-Kiamos I. and Mair G.R. (2014). Genome-wide RIP-Chip analysis of translational repressor-bound mRNAs in the *Plasmodium* gametocyte. *Genome Biology* 15: 493

Andreadaki M.*, Morgan R.N.*, Deligianni E., Kooij T.W.A., **Santos J.M.**, Spanos L., Matuschewski K., Louis C., Mair G.R. and Siden-Kiamos I. (2014). Genetic crosses and complementation reveal essential functions for the *Plasmodium* stage-specific actin2 in sporogonic development. *Cellular Microbiology* 16(5): 751-767

Carlucci A., Raimondo M.L., **Santos J.** and Phillips A.J.L. (2012). *Plectosphaerella* species associated with root and collar rots of horticultural crops in southern Italy. *Persoonia* 28: 34-48

CURRICULUM VITAE, JORGE M. SANTOS, PHD

PUBLICATIONS

A) ARTICLES IN JOURNALS (CONT.)

Gajjar D.U., Pal A.K., **Santos J.M.**, Ghodadra B.K. and Vasavada A.R. (2011). Severe pigmented keratitis caused by *Cladorrhinum bulbillosum*. Indian Journal of Medical Microbiology 29: 434-437

Santos J.M.*, Vrandečić K.*, Ćosić J., Duvnjak T. and Phillips A.J.L. (2011). Resolving the *Diaporthe* species occurring on soybean in Croatia. Persoonia 27: 9-19

Berraf-Tebbal A., Bouznad Z., **Santos J.M.**, Coelho M.A., Péros J.P. and Phillips A.J.L. (2011). *Phaeoacremonium* species associated with Eutypa dieback and esca of grapevines in Algeria. Phytopathologia Mediterranea 50 (Supplement): S86-S97

Diogo E.L.F., **Santos J.M.** and Phillips A.J.L. (2010). Phylogeny, morphology and pathogenicity of *Diaporthe* and *Phomopsis* species on almond in Portugal. Fungal Diversity 44: 107-115

Santos J.M., Correia V.G. and Phillips A.J.L. (2010). Primers for mating-type diagnosis in *Diaporthe* and *Phomopsis*: their use in teleomorph induction *in vitro* and biological species definition. Fungal Biology 114: 255-270

Santos J.M. and Phillips A.J.L. (2009). Resolving the complex of *Diaporthe* (*Phomopsis*) species occurring on *Foeniculum vulgare* in Portugal. Fungal Diversity 34: 111-125

Carlos A.R., **Santos J.**, Semedo-Lemsaddek T., Barreto-Crespo M.T. and Tenreiro R. (2009). Enterococci from artisanal dairy products show high levels of adaptability. International Journal of Food Microbiology 129: 194-199

B) THESES

Santos J.M. (2014). "Role of *Plasmodium* translationally repressed gene products in malaria transmission", PhD Thesis by Universidade de Lisboa

C) MEETING PROCEEDINGS

Santos J.M., Rao P.N., Guerreiro A., Pinho L., Carret C.K., Franke-Fayard B.M.D., Templeton T.J., Janse C.J. and Mair G.R. (2012). *Plasmodium* translationally repressed gene products are essential for parasite development and malaria transmission. Malaria Journal 11(Suppl 1): P85

Santos J.M., Correia V.G. and Phillips A.J.L. (2010). Towards meaningful species definitions in *Diaporthe* and *Phomopsis*. *Proceedings of the 13th Congress of the Mediterranean Phytopathological Union*, Petria 20: 285-286

Berraf A., Bouznad Z., **Santos J.M.**, Coelho M.A. and Phillips A.J.L. (2010). *Phaeoacremonium* species associated with grapevine decline in Algeria. *Proceedings of the 13th Congress of the Mediterranean Phytopathological Union*, Petria 20: 120-121

COMMUNICATIONS

A) ORAL

Santos J.M., Zuzarte-Luís V., Duarte N., Pinho L., Carret C.K., Franke-Fayard B.M.D., Janse C.J. and Mair G.R. IPET: a translationally repressed gene product essential for host cell invasion and transmission of malaria parasites, XXIV Molecular Parasitology Meeting, Woods Hole, USA (2013)

Sánchez C., Ferreira-Pinto M.M., **Santos J.M.**, Ramos A.P. and da Graça Barreiro M. Characterization of *Aureobasidium pullulans*, a promising biocontrol agent for postharvest diseases, 28th International Horticultural Congress, Lisbon, Portugal (2010)

Santos J.M., Correia V.G. and Phillips A.J.L. Towards meaningful species definitions in *Diaporthe* and *Phomopsis*, 13th MPU Congress, Rome, Italy (2010)

CURRICULUM VITAE, JORGE M. SANTOS, PHD

COMMUNICATIONS (CONT.)

B) POSTER

Pinto A., **Santos J.M.** and Carvalho T. Immuno-electron microscopic observation of *Plasmodium berghei* LIMP protein localization in the salivary glands of the malaria vector, the mosquito *Anopheles stephensi*, INCOMAM'14 – XLVIII Congress of the Portuguese Microscopy Society, Porto, Portugal (2014)

Rao P.N., **Santos J.**, Mair G., Sinnis P. and Templeton T. Translational repression of the CPW-WPC family of genes in *P. falciparum* and *P. berghei*, XXIV Molecular Parasitology Meeting, Woods Hole, USA (2013)

Santos J.M., Rao P.N., Guerreiro A., Pinho L., Carret C.K., Franke-Fayard B.M.D., Templeton T.J., Janse C.J. and Mair G.R. *Plasmodium* translationally repressed gene products are essential for parasite development and malaria transmission, Conference "Challenges in Malaria Research: Progress Towards Elimination", Basel, Switzerland (2012)

Rao P.N.*, **Santos J.M.***, Sinnis P., Mair G.R. and Templeton T. Translational repression of the CPW-WPC family of genes in the malarial parasite *Plasmodium*, 8th BioMalPar Conference, Heidelberg, Germany (2012)

Guerreiro A.M.S.*, **Santos J.M.***, Silva P.A.G.C., Carret C.K., Pain A., Janse C.J., Franke-Fayard B.M.D. and Mair G.R. Specific identification of silenced mRNAs in *Plasmodium* gametocytes by RIP-Chip, 8th BioMalPar Conference, Heidelberg, Germany (2012)

Rao P., **Santos J.M.**, Mair G. and Templeton T. Translational repression of the CPW-WPC family of genes in the malarial parasite *Plasmodium*, XXII Molecular Parasitology Meeting, Woods Hole, USA (2011)

Santos J.M., Rao P.N., Guerreiro A., Carret C.K., Templeton T.J. and Mair G.R. Molecular characterisation of *Plasmodium* translationally repressed gene products during sexual development, 7th BioMalPar Conference, Heidelberg, Germany (2011)

Santos J.M. and Mair G.R. Role of *Plasmodium* surface proteins in sexual development and malaria transmission, IV IMM PhD Students Meeting, Lisbon, Portugal (2010)

Diogo E.L.F., **Santos J.M.** and Phillips A.J.L. Morphologic and molecular characterization of *Diaporthe/Phomopsis* species on almond in Portugal, 9th EFPP – 6th SPF Congress, Évora, Portugal (2010)

Berraf A., Bouznad Z., **Santos J.M.**, Coelho M.A. and Phillips A.J.L. *Phaeoacremonium* species associated with grapevine decline in Algeria, 13th MPU Congress, Rome, Italy (2010)

Santos J.M., Correia V.G. and Phillips A.J.L. *MAT* genes and the assessment of biological species in *Diaporthe* and *Phomopsis*, MicroBiotec'09, Vilamoura, Portugal (2009)

Semedo-Lemsaddek T., **Santos J.**, Carlos A.R., Vale de Gato I., Chambel L., Barreto-Crespo M.T. and Tenreiro R. Environmental adaptability: are clinical and food enterococci so much different?, IUMS, Istanbul, Turkey (2008)

Santos J., Carlos A.R., Semedo-Lemsaddek T., Barreto-Crespo M.T. and Tenreiro R. Enterococci: is their high environmental adaptability a risk to food safety?, Micro'07Biotec'07 - XXXIII JPG, Lisbon, Portugal (2007)

AWARDS

Cash award for the talk "IPET: a translationally repressed gene product essential for host cell invasion and transmission of malaria parasites" at the VII Lisbon AMC PhD Students Meeting, Lisbon, Portugal (2013)

Cash award for the talk "IPET: a translationally repressed gene product essential for host cell invasion and transmission of malaria parasites" at the XXIV Molecular Parasitology Meeting, Woods Hole, USA (2013)

CURRICULUM VITAE, JORGE M. SANTOS, PHD

ADVANCED EDUCATION

- Jun 20th – Aug 9th 2014 “Biology of Parasitism – Modern Approaches” Summer Course held at the Marine Biological Laboratory, Woods Hole, USA
- Mar 14th – 15th 2013 “Advanced Course on Protein Expression and Purification: Tips and Tricks” under the Lisbon Academic Medical Centre advanced courses, held at Instituto de Medicina Molecular, Lisbon, Portugal
- Dec 10th – 13th 2012 “Flow Cytometry Workshop” under the Lisbon Academic Medical Centre advanced courses, held at Instituto de Medicina Molecular, Lisbon, Portugal
- Jun 25th – 26th 2012 “Use of large data sets to study parasite biology” course under the Lisbon Academic Medical Centre advanced courses, held at Instituto de Medicina Molecular, Lisbon, Portugal
- Oct 13th – 14th 2011 “miRNAs and non-coding RNAs in cell biology and human disease” course under the Lisbon Academic Medical Centre advanced courses, held at Instituto de Medicina Molecular, Lisbon, Portugal
- Oct 3rd – 7th 2011 Workshop “Working with Parasite Database Resources” held at the Wellcome Trust Genome Campus, Hinxton, Cambridge, UK
- Mar 28th – Apr 13th 2011 Laboratory Animal Science Course (according to FELASA category B) held at Instituto de Medicina Molecular, Lisbon, Portugal
- Mar 9th – 10th 2011 “Get the best from your sequences” course under the Lisbon Academic Medical Centre advanced courses, held at Instituto de Medicina Molecular, Lisbon, Portugal
- Jul 13th – 15th 2010 “2010 Zeiss On Your Campus Workshop” held at Instituto de Medicina Molecular, Lisbon, Portugal

TEACHING

- Nov 14th 2014
Jan 21st 2011
Jan 19th 2010
Apr 17th 2009
May 26th 2011
- Invited lecturer** of Mycology classes under the General Microbiology Unit of Labour Safety Engineering Undergraduate Course at Instituto Superior de Educação e Ciências, Lisbon, Portugal
- Invited lecturer** of Regulation and Differentiation class under the Molecular Biology and Genetics MSc Course at Faculdade de Ciências da Universidade de Lisboa, Lisbon, Portugal

SCIENTIFIC EVENT ORGANIZATION

- Nov 28th – 30th 2009 MicroBiotec'09 Congress, Vilamoura, Portugal

SCIENCE OUTREACH ACTIVITIES

- Apr 16th 2010 Scientific exhibition “EXPO FCT 2010” at Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa, Caparica, Portugal