

Curriculum Vitae
(Summary)



Name: A. Paulo G. de Almeida.
Date & place of birth: 24-08-1958. Lisboa, Portugal.
Nationality: Portuguese.
e-mail: palmeida@ihmt.unl.pt
Institutional Address: Unidade de Parasitologia Médica,
Instituto de Higiene e Medicina Tropical, Universidade Nova de Lisboa,
Rua da Junqueira, 100, 1300 Lisboa, Portugal.
Tel., Office: + (351) 21 365 26 43; **Mobile:** +(351) 96 85 233 85

ORCID ID - <http://orcid.org/0000-0003-0751-4488>

SCOPUS ID- Scopus Author ID 26027436800

Present position:

- Full Professor in Medical Entomology/Parasitology, at the Institute of Hygiene and Tropical Medicine, Universidade NOVA de Lisboa (IHMT/NOVA), Portugal, since 2019. www.ihmt.unl.pt
- President of the Scientific Council of the Institute of Hygiene and Tropical Medicine, Universidade NOVA de Lisboa (IHMT/NOVA), Portugal, since July 2020. www.ihmt.unl.pt

Academic degrees, fields of study, awarding institutions, dates:

- | | | |
|---|--|------|
| -Medical degree, | University of Lisbon (Classic), Medical Faculty | 1982 |
| -Diploma in Tropical Medicine & Hygiene (DTM&H), | Royal College of Physicians, London, | 1988 |
| -MSc Medical Parasitology, | University of London (London School Hyg.Trop.Med.), | 1988 |
| -PhD in Medical Entomology/Parasitology, | University of London (Imperial College S.Tech.Med.), | 1994 |
| -“Agregado/Habilitation” title in Medical Entomology, | Universidade Nova de Lisboa, | 2009 |

Licences

- Portuguese Medical Association (Ordem dos Médicos) CP nº 26 418
Animal Scientific Procedures Personal Licence, Home Office UK, PIL 70/09686
South African Council for natural Scientific Professions (<https://cpd.sacnasp.org.za>), Registration number: 116154)

Teaching, Management & Research activities:

- Extraordinary Professor at the University of Pretoria, Zoonosis Research Unit, Department of Medical Virology, Faculty of Health Sciences, July 2014 – June 2020 <http://www.up.ac.za/en/zoonoses-research-unit/article/2356654/senior-staff>.
- Director of Medical Parasitology Unit of IHMT/UNL, Feb 2013- Feb 2017.
<http://www.ihmt.unl.pt/?lang=pt&page=ihmt&subpage=unidades-de-ensino-e-investigacao&m2=53>
- Visiting professor at the University of Pretoria, Zoonosis Research Unit, Department of Medical Virology, Faculty of Health Sciences, January-July 2014, on Sabbatical leave from home institution.
- Coordinator of the MSc in Medical Parasitology of the IHMT/UNL. 2010- 2014.
- Coordinator of Research Unit “Unidade de Parasitologia e Microbiologia Médicas” (U74), FCT, 2010-2013.
- Academic Coordinator for the IHMT/UNL, and TropEd representative, 1998- 2009.
- Professor in Medical Entomology and Parasitology, in MSc and PhD courses in IHMT/UNL, 1995-present.
- Invited teacher at University of Oporto, U. of Algarve (Erasmus Mundus MSc), Faculdade Ciências e Tecnologia/UNL, Faculdade de Veterinária/UTL, Instituto de Ciências Sociais e Políticas/UTL and Faculdade de Ciências/UL.

Area of scientific activity:

- Medical Entomology and Parasitology. Mosquitoes, ticks, arbovirus, WNV, malaria, filariasis, climate changes.
- Anti-mosquito and anti-tick vaccines and immunity and Vector-Parasite relationships.

- Studies on mosquito vectors aimed at malaria, arboviruses (WNV, dengue, RVF, ISF), filariasis, vector incrimination, and epidemiology.
- Mosquito systematics (Portugal, Madeira, Angola, South Africa, Guine-Bissau, São Tomé and Príncipe, Macao), molecular biology, bioecological and surveillance and control studies in different settings, such as marshlands, wetlands, rice fields, artificial dams.
- Climate change and risk analysis of mosquito borne diseases, in collaboration with specialists on remote detection.

Editorial and peer-review activity:

- Peer-review to several ISI indexed journals;
- Associated Editor to the European Mosquito Bulletin, Journal of the European Mosquito Control Association, since 2012 <http://e-m-b.org.myspecies.info/content/emb-editorial-board>
- Guest Associate Editor, for **Frontiers Public Health - Epidemiology**, **Research Topic**: Emerging zoonoses: eco-epidemiology, involved mechanisms and public health implications, 2013-2015. Rubén Bueno-Marí, A. Paulo Gouveia Almeida and Juan Carlos Navarro, eds. (2015). Emerging zoonoses: eco-epidemiology, involved mechanisms and public health implications. Lausanne: Frontiers Media. doi: 10.3389/978-2-88919-618-0

Supervision activities:

BSc Thesis – 9; MSc Thesis – 8; PhD Thesis - 6 finished:

- Carla Alexandra Gama Carrilho Sousa – Co-supervisor, PhD Universidade NOVA Lisboa, “Malaria vectorial capacity and competence of *Anopheles atroparvus* Van Thiel, 1927 (Diptera: Culicidae): Implications for the potential re-emergence of malaria in Portugal”. 2008.
- Maria Teresa Lourenço Marques Novo – Supervisor, PhD Universidade NOVA Lisboa - “*Contributo para o estudo bioecológico de Culex (Culex) theileri Theobald, 1903 e Ochlerotatus (Ochlerotatus) caspius (Pallas, 1771) (Diptera: Culicidae) na área da Comporta, Alcácer do Sal. Perspectivas para o seu controlo*”, orientado por A.PG Almeida. 2009.
- Bruno Gomes da Silva - Co-supervisor, PhD Universidade NOVA Lisboa - "Genetic studies on the mosquito vector *Culex pipiens*", 2013.
- Mónica Susana Nunes - Co-supervisor, PhD Universidade NOVA Lisboa, - “Unraveling of *Borrelia burgdorferi* s.l. genospecies diversity and infective capacity in Portugal towards the development of more efficient diagnostic tools for Lyme Disease”, 2016.
- Daniel Bravo-Barriga – scientific collaboration, PhD Universidade de Extremadura, - "Entomofauna de Culicidae y Phlebotominae en Extremadura, España. Detección molecular de parásitos asociados (*Dirofilaria* spp. y *Leishmania* spp.)", 2017.
- Todd Johnson – Co-supervisor, PhD University of Pretoria, - “Population composition and seasonal dynamics of mosquito communities across landscape gradients in southern Africa, with emphasis on selected arbovirus vector species and their role in disease transmission.”, 2020.
- Milehna Guarido – Co-supervisor, PhD University of Pretoria, - “An update of Zoonotic Arboviruses of Public Health significance associated with *Aedes* spp. mosquitoes across tropical and temperate regions of South Africa.”, 2021.
- Carien van Loggerenberg – scientific collaboration, PhD University of Pretoria, - “Epidemiology of Rift Valley fever in KwaZulu-Natal”, 2020.
- Ana Paula Abílio – Supervisor, PhD Universidade Eduardo Mondlane, - “The Entomological Characterization and Transmission of Rift Valley Fever Virus and other arbovirus in Mozambique”, thesis submitted for defense in august 2021.

International and National Consulting Activity

- Consultant for the European Centre for Disease Prevention and Control (ECDC).
 - “ECDC consultation group on vector-related risk for Chikungunya transmission in Europe”
Institute de Veille Sanitaire, Paris 22 October 2007 .
 - “ECDC Development of *Aedes albopictus* risk maps.” 2007-2008.
 - “ECDC Risk assessment for vector-borne diseases in Malta”, 28-30 April 2009.

“ECDC Meeting: Expert consultation on *Plasmodium vivax* transmission risk in Europe”, Stocholm - 2012

- Direcção Geral de Saúde (National Directorate of Health, Portugal)- consultant for vectors and climatic changes and for Dengue outbreak in Madeira in 2012.

- Consultant for the Project “Southern African Centre for Infectious Disease Surveillance” (SACIDS, <http://www.sacids.org>), University Eduardo Mondlane, Maputo, Moçambique, and PhD thesis of Ana Paula Abilio MSc (Instituto Nacional de Saúde) and Ofélia Nhambirre MSc (Centro de Biotecnologia).

Participation in International Networks:

-“ARBOZOONET”: international network for capacity building for the control of emerging zoonotic vector borne diseases.” Coordinator: Dr Michele BOULOY, Unite de Genetique Moleculaire des Bunyavirus Institut Pasteur, Paris, France. European Union, 7th framework programme. Principal Investigator in IHMT/UNL, Portugal. 2008- 2012

-“VBORNET”: European Network for Antropod Vector-Surveillance for Human Public Health/ECDC. 2009-present.

- National Representative for Portugal at the European Mosquito Control Association (EMCA) 2004-present.

Coordination of research projects in IHMT/UNL, or Coordinator/Principal Investigator (PI) in Portugal

1- *Project title: “Strategy For The Immunological Control Of Malaria Insect Vectors”.*

Funding entity: JNICT/FCT, Portugal/Feder. Period covered: 1996-1999. PI: APG Almeida.

2- *Project title: “The development and potential of midgut antigens as vaccine agents for novel mosquito and Malaria control”*

Funding entity: N° ERB 3514 PL 950098, INCO-DC EU, Period covered: 01-1996 to 04-1997. Project coordinated by P. F. Billingsley, PhD, Department of Zoology, University of Aberdeen, U.K., with partners Dr M. Rammasamy, Sri Lanka, and Dr Lyimo, Tanzania. APG Almeida PI in Portugal and IHMT/UNL.

3- *Project title: “IMUNOPOR, PPS2- Antigen for antimosquito vaccine.”*

Funding entity: SINDEPEDIP II (INETI), Portugal/Feder. Period covered: 1996-2000. PI: APG Almeida.

4- *Project title: “Arboviruses of the mosquitoes of Portugal.”*

Funding entity: FCT/MCT, Portugal/Feder. Period covered: 2000-2005. PI: APG Almeida.

5- *Project title: “Mosquito midgut epithelium and Plasmodium: what are the keys for the infection ?”*

Funding entity:FCT/MCES, Portugal/Feder. Period covered: 2003-2007. PI: APG Almeida.

6- *Project title: “RARIMOSQ: survey and risk analysis of mosquito borne diseases, particularly arbovirois, using remote detection”*

Funding entity: Fundação Calouste Gulbenkian, Portugal. Period covered: 2004-2007. PI: APG Almeida.

7- *Project title: “MALTRANS: Interruption of Malaria transmission: vaccine strategies.”*

Coordinated by Dr. R.W. Sauerwein, Dep. Microbiology, Univ. Hostpital Nijmegen, Holand

Funding entity: EU, Key Action 2: Control of infectious diseases, V F. Programme- FP V

PROJECT N° : QLRT-PL1999-00753. Period covered: 2000-2003.

Partners: University of Nijmegen, University of Oxford, Imperial College of Science, Technology and Medicine, University of Aberdeen, Biomedical Primate Research Centre, University of Glasgow, London School of Hygiene & Tropical Medicine, Leiden University Medical Centre.

APG Almeida was coordinator of Portuguese collaboration and PI at IHMT/UNL.

8- *Project title: “Mosquito bioecological studies in a marshland and rice field area, Comporta, Portugal. Perspectives for control.”*

Funded by “The Atlantic Company, Ltd”. Period covered: 2000-2003.

Developed by UEM/IHMT/UNL in collaboration with Unidade de Virologia Médica (UVM)/IHMT/UNL.

9- **Project title: "MALVEO- Vulnerability Mapping to Malaria Vector from Earth Observation Data- Anopheles atroparvus density mapping under climate scenarios for Southern Portugal."**

Funding entity: FCT – MCTES, Portugal. Project identification: Ref:PTDC/CLI/67910/2006.

Period covered: 01-03-2008 to 31-12-2010. Coordinated by Prof Júlia Seixas FCT/UNL;

Prime contractor: Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa.

APG Almeida was PI at IHMT/UNL and of task #2: Mosquito bioecology & dynamics.

Collaboration in research projects as researcher

1- **Project title: Studies on mosquito vectors in west Africa, aimed at malaria epidemiology and control.**

Funding entity: INCO-DC/EU, TDR Programme Project identification: IC18CT960030

Period covered from 01/01/1997 to 01/01/2000, Duration: 48 months

Prime contractor Centro de Malária e outras Doenças Tropicais, IHMT, UNL

Partners: V. do Rosário (Coordinator), J. Pinto, A. C. Alves (CMDT/IHMT, Lisboa); V. Petrarca (Università La Sapienza, Italy), A. L. Benito (Inst. De Salud Carlos III, Espanha), J. R. Royo (Centro Hispano Guineano de Enfermedades Tropicales, Guineia Equatorial), H. Ribeiro, P. Almeida, C. Sousa (IHMT), V. S. Gil (Centro Nacional de Endemias, Min. da Saúde, Rep. Dem. De S. T. Príncipe)
Member of team- Researcher - APG Almeida.

2- **Project title: Aedes albopictus in Macao: Systematics, molecular biology, and receptivity of the Territory to dengue and other arboviruses.**

Funding entity: PRAXIS XXI. Project identification: 2/2.1/SAL/1388/95

Period covered from 03/04/1997 to 31/12/2000. Prime contractor IHMT, UNL

PI: Henrique Ribeiro. Member of team- researcher - APG Almeida

3- **Project title: "Systematics and evolution of Culex pipiens from Portugal and Macaronesia Islands".**

Funding entity: "Fundação para a Ciência e Tecnologia, Portugal

Project identification: (POCTI/BIA-BDE/57650/2004).

PI: Doutor João Pinto, CMDT-IHMT. Member of team – Researcher - APG Almeida.

4- **Project title: Emerging Diseases in a changing European eNvironment - EDEN**

Funding entity: European Union, contract nº GOCE-CT-2003-010284-2 EDEN.

From 01-11-2004 to 30-06-2010

Prime contractor Cirad, Montpellier, and CMDT/ Instituto de Higiene e Medicina Tropical, UNL, in Portugal.

(48 partner institutions, from 24 countries). Member of team – Researcher - APG Almeida.

5- **Project title: "Ecoepidemiology of Dirofilaria spp: molecular characterization, potential vectors and transmission dynamics".**

Funding entity: "Fundação para a Ciência e Tecnologia, Portugal. Project id (PTDC/SAU-SAP/113523/2009).

From 01-04-2011 to 31-03-2014. PI: Doutora Silvana Belo, UPMM-IHMT, UNL.

APG Almeida is Principal investigator of task #3: vector studies and incrimination.

6- **Project title: "Surveillance for zoonotic vector borne neurological diseases in humans and animals in South Africa" ,**

Funding entity: GDD/US-CDC,

From 2014 to 2015. PI: M. Venter, Marietjie Venter (PhD)(Medical Virology), Full Professor, Zoonoses Research Program, Faculty of Health, University of Pretoria, South Africa

www.zoonosesresearchunit.up.ac.za & One Health Program Director, Global Disease Detection US Centres for Disease Control and Prevention, South Africa.

APG Almeida is investigator of vector studies and incrimination, forming an integral part of the entomology/arboviral team, participating in regular monthly surveys of vector species at a number of sites in South Africa.

7- Project title: “Entomological Characterization and Biology of Transmission of Rift Valley Fever in Zambezia Province, Mozambique”, under the umbrella of the “Southern African Centre for Infectious Disease Surveillance” (SACIDS, <http://www.sacids.org>), and contribute to the research activities of Dr. José Fafetine, SACIDS post-doc fellow and to the plan design and co-supervision of the PhD thesis work of Ana Paula Abilio MSc (Instituto Nacional de Saúde) and Ofélia Nhambirre MSc (Centro de Centro de Biotecnologia da Universidade Eduardo Mondlane (CB-UEM), Maputo, Moçambique), integrated in this project. Nov-Dec 2014, and May-June 2015- site field and laboratory work in Mozambique.

Selected Publications:

- Guarido, M. M., Govender, K., Riddin, M. A., Schrama, M., Gorsich, E. E., Brooke, B. D., Almeida, A. P. G., & Venter, M. (2021). Detection of insect-specific flaviviruses in mosquitoes (Diptera: Culicidae) in northeastern regions of South Africa. *Viruses*, 13(11), 1-12. [2148]. <https://doi.org/10.3390/v13112148>
- Guarido, M.M.; Riddin, M. A.; Johnson, T.; Braack, L.E.O.; Schrama, M.; Gorsich, E.E.; Brooke, B.D.; Almeida, A.P.G.; Venter, M. (2021). *Aedes* species (Diptera: Culicidae) ecological and host feeding patterns in the north-eastern parts of South Africa, 2014-2018. *Parasites Vectors*, 14:339 <https://doi.org/10.1186/s13071-021-04845-9>
- Daniel Bravo-Barriga, Antonio P. Gouveia de Almeida, Sarah Delacour-Estrella, Rosa Estrada Peña, Javier Lucientes, José M. Sánchez-Murillo, and Eva Frontera. 2021. "Mosquito fauna in Extremadura (western Spain): Updated catalog with new records, distribution maps, and medical relevance," *Journal of Vector Ecology* 46(1), 70-82, (14 June 2021). <https://doi.org/10.52707/1081-1710-46.1.70>
- Almeida, A. P. G. 2021. Entomologia Médica: Introdução e Conceitos Gerais. In: Ferreira, M. U. (coordenador). *Parasitologia Contemporânea*. Segunda edição. Rio de Janeiro, Editora Guanabara Koogan, 2021, pp. 7-24.
- Abílio, A.P., Kampango, A., Armando, E.J., Gudo, E.S., Neves, L.C.B., Parreira, R., Sidat, M., Fafetine, J.M. & Almeida, A.P.G. 2020. First confirmed occurrence of the yellow fever virus and dengue virus vector *Aedes (Stegomyia) luteocephalus* (Newstead, 1907) in Mozambique. *Parasites Vectors* 13, 350 (2020). <https://doi.org/10.1186/s13071-020-04217-9>.
- Abílio, A. P., Silva, M., Kampango, A., Narciso, I., Gudo, E. S., das Neves, L., Sidat, M., Fafetine, J. M., Almeida, A.P.G., & Parreira, R. (2020). A survey of RNA viruses in mosquitoes from Mozambique reveals novel genetic lineages of flaviviruses and phenuiviruses, as well as frequent flavivirus-like viral DNA forms in *Mansonia*. *BMC microbiology*, 20(1), 225. <https://doi.org/10.1186/s12866-020-01905-5>.
- Johnson T, Braack LEO, Guarido M, Venter M, Almeida APG. 2020. Mosquito community composition and abundance at contrasting sites in northern South Africa, 2014–2017. *Journal of Vector Ecology* 2020 Vol. 45: 104-117 <https://www.bioone.org/journals/journal-of-vector-ecology/volume-45/issue-1/jvec.12378/Mosquito-community-composition-and-abundance-at-contrasting-sites-in-northern/10.1111/jvec.12378.full> <https://onlinelibrary.wiley.com/doi/10.1111/jvec.12378>.
- Bravo-Barriga, D., António Paulo Gouveia Almeida, Ricardo Parreira, Daniel Jiménez-Vidal, Juan Enrique Pérez-Martín, María Martín-Cuervo, EvaFrontera. 2019. Primeras detecciones de *Aedes albopictus* (mosquito tigre) en la región de Extremadura, oeste de España/First detections of *Aedes albopictus* (tiger mosquito) in the region of Extremadura, west of Spain. *Gaceta Sanitaria*, 33: 299-300, <https://doi.org/10.1016/j.gaceta.2018.11.003>.
- Abilio, AP, G Abudasse, A Kampango, B Candrinho, S Sitoi, J Luciano, D Tembisse, S Sibindy, A P G de Almeida, G Azambuja Garcia, M Rocha David, R Maciel-de-Freitas, E Samo Gudo. 2018. Distribution and breeding sites of *Aedes aegypti* and *Aedes albopictus* in 32 urban/peri-

- urban districts of Mozambique: implication for assessing the risk of arbovirus outbreaks. PLOS Neglected Tropical Diseases (PNTD-D-17-01648) | <https://doi.org/10.1371/journal.pntd.0006692>
- Cornel, A. J., Yoosook Lee, António Paulo Gouveia Almeida, Todd Johnson, Joel Mouatcho, Marietjie Venter, Christiaan de Jager and Leo Braack. 2018. Mosquito community composition in South Africa and some neighboring countries. *Parasites & Vectors*, 11:331, 12pp. <https://doi.org/10.1186/s13071-018-2824-6>.
- Braack, L., A. Paulo Gouveia de Almeida, Anthony J. Cornel, Robert Swanepoel and Christiaan de Jager. 2018. Mosquito-borne arboviruses of African origin: review of key viruses and vectors. *Parasites & Vectors* (2018) 11:29. <https://doi.org/10.1186/s13071-017-2559-9>.
- Almeida, APG, Fouque, F, Launois, P, Sousa, CA and Silveira, H. **2017**. From the lab to the field: capacity building in Medical Entomology to address vector-borne diseases emergencies. *Trends in Parasitology*, Volume 33, Issue 9, September 2017, Pages 664-668, <https://doi.org/10.1016/j.pt.2017.05.011>.
- Bravo-Barriga, D., Bruno Gomes, Antonio P.G. Almeida, Francisco J. Serrano-Aguilera, Juan E. Pérez-Martín, Rafael Calero-Bernal, David Reina, Eva Frontera, and João Pinto. **2017**. The mosquito fauna of the western region of Spain with emphasis on ecological factors and the characterization of *Culex pipiens* forms. *Journal of Vector Ecology*, 42:136-147.
- Mixão, Verónica de Pinho; Bravo-Barriga, Daniel; Parreira, Ricardo; Novo, Maria Teresa; Sousa, Carla Alexandra; Frontera, Eva; Venter, Marietjie; Braack, Leo; Almeida, António Paulo Gouveia de. **2016**. Comparative morphological and molecular analysis confirms the presence of the West Nile virus mosquito vector *Culex univittatus* in the Iberian Peninsula. *Parasites & Vectors*, (2016) 9:601. DOI 10.1186/s13071-016-1877-7 URL: <http://www.parasitesandvectors.com/content/9/1/601>
- DE Pinho Mixão V, Mendes AM, Maurício IL, Calado MM, Novo MT, Belo S, Almeida AP. **2016**. Molecular detection of *Wolbachia pipientis* in natural populations of mosquito vectors of *Dirofilaria immitis* from continental Portugal: first detection in *Culex theileri*. *Med Vet Entomol*. 2016 Jun 9. doi: 10.1111/mve.12179. [Epub ahead of print] PMID: 27279553
- Bravo-Barriga, D., Parreira, R., Almeida, A.P. G., Calado, M., Blanco-Ciudad, J., Serrano-Aguilera, F.J., J. E. Pérez-Martina, J. Sánchez-Peinado, J. Pinto, D. Reina, E. Frontera, (2016) *Culex pipiens* as a potential vector for transmission of *Dirofilaria immitis* and other unclassified Filarioidea in Southwest Spain. *Veterinary Parasitology*, **223**, 173-180. doi:10.1016/j.vetpar.2016.04.030
- Shaikovich EV, Vinogradova EB, Bouattour A, Gouveia de Almeida AP. **2016**. Genetic diversity of *Culex pipiens* mosquitoes in distinct populations from Europe: contribution of *Cx. quinquefasciatus* in Mediterranean populations. *Parasit Vectors*. 2016 Jan 27;9:47. doi: 10.1186/s13071-016-1333-8.
- Gomes B., Craig S. Wilding, David Weetman, Carla A. Sousa, Maria T. Novo, Harry M. Savage, António P. G. Almeida, João Pinto and Martin J. Donnelly. Limited genomic divergence between intraspecific forms of *Culex pipiens* under different ecological pressures. **2015**. *BMC Evolutionary Biology* 2015, 15:197 doi:10.1186/s12862-015-0477-z <http://www.biomedcentral.com/1471-2148/15/197>
- Rubén Bueno-Marí, A. Paulo Gouveia Almeida and Juan Carlos Navarro, eds. (2015). *Emerging zoonoses: eco-epidemiology, involved mechanisms and public health implications*. Lausanne: Frontiers Media. doi: 10.3389/978-2-88919-618-0
- Bueno-Marí R, Almeida APG and Navarro JC (2015) Editorial: Emerging zoonoses: eco-epidemiology, involved mechanisms, and public health implications. *Front. Public Health* 3:157. doi: 10.3389/fpubh.2015.00157
- Carapeta S., Bem B., McGuinness J., Esteves A., Abecasis A., Lopes A, Matos AP, Piedade J, Almeida APG, Parreira R. **2015**. Negevirus found in multiple species of mosquitoes from southern Portugal: Isolation, genetic diversity, and replication in insect cell culture. *Virology*, 483 (2015): 318–328. <http://dx.doi.org/10.1016/j.virol.2015.04.021>
- Ferreira, Cátia Alexandra Costa ; Mixão, Verónica de Pinho; Novo, Maria Teresa Lourenço Marques; Calado, Maria Manuela Palmeiro; Gonçalves, Luzia Augusta Pires; Belo, Silvana Maria Duarte; Almeida, António Paulo Gouveia de. **2015**. First molecular identification of mosquito vectors of *Dirofilaria immitis* in continental Portugal. *Parasites & Vectors*.2015, 8:139 DOI:

- 10.1186/s13071-015-0760-2 (IF 3.25) URL:
<http://www.parasitesandvectors.com/content/8/1/139>
- Benali A. ., Nunes, J.P., Freitas, F.B., Sousa, C.A., Novo, M.T., Lourenço, P.M., Lima, J.C., Seixas, J, Almeida, A.P.G. (2014). Satellite-derived estimation of environmental suitability for malaria vector development in Portugal. *Remote Sensing of Environment* (IF 5.103, 5-Year Impact Factor: 6.144), 145:116-130.
- Ferreira DD, Cook S, Lopes A, de Matos AP, Esteves A, Abecasis A, de Almeida AP, Piedade J, Parreira R. **2013**. Characterization of an insect-specific flavivirus (OCFVPT) co-isolated from *Ochlerotatus caspius* collected in southern Portugal along with a putative new Negev-like virus. *Virus Genes*. 2013; 47:532–545 [Epub ahead of print] (PMID: 23877720) DOI 10.1007/s11262-013-0960-9
- Gomes B., Sousa C.A., Vicente J.L., Pinho L., Calderón I., Arez E., Almeida A.P.G., Donnelly M.J. & Pinto J. **2013**. Feeding patterns of molestus and pipiens forms of *Culex pipiens* (Diptera: Culicidae) in a region of high hybridization. *Parasites & Vectors* Apr 11;6(1):93, (PubMed, PMID: 23578139). (IF: 2.937). <http://www.parasitesandvectors.com/content/6/1/93> doi: 10.1186/1756-3305-6-93.
- Gomes B, Kioulos E, Papa A, Almeida APG, Vontas J, Pinto J. **2013**. Distribution and hybridization of *Culex pipiens* forms in Greece during the West Nile virus outbreak of 2010. *Infection, Genetics and Evolution*, 16:218–225. (IF: 3.128). DOI: 10.1016/j.meegid.2013.02.006. [Epub ahead of print], (PubMed, PMID: 23466890)
- Gomes B, Parreira R, Sousa CA, Novo MT, Almeida APG, Donnelly MJ, Pinto J. **2012**. The *Culex pipiens* complex in continental Portugal: distribution and genetic structure. *Journal of the American Mosquito Control Association* 28:75-80. http://ihmtweb.ihmt.unl.pt/download/CASousa/Gomes_et_al_AMCA_2012.pdf (PubMed, PMID: 23401946), (IF: 0.954).
- Parreira R, Cook S, Lopes Â, de Matos AP, de Almeida AP, Piedade J, Esteves A. 2012. Genetic characterization of an insect-specific flavivirus isolated from *Culex theileri* mosquitoes collected in southern Portugal. *Virus Res*. **2012** Aug;167(2):152-61.
- Gomes B, Alves J, Sousa CA, Santa-Ana M, Vieira I, Silva TL, Almeida AP, Donnelly MJ, Pinto J. **2012**. Hybridization and population structure of the *Culex pipiens* complex in the islands of Macaronesia. *Ecol Evol*. 2012 Aug;2(8):1889-902. (IF: not applicable-new journal) DOI: 10.1002/ece3.307, PMCID: PMC3433992. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3433992/pdf/ece30002-1889.pdf>
- Gomes-Santos CS, Itoe MA, Afonso C, Henriques R, Gardner R, Sepúlveda N, Simões PD, Raquel H, Almeida AP, Moita LF, Frischknecht F, Mota MM. **2012** Highly dynamic host actin reorganization around developing Plasmodium inside hepatocytes. *PLoS One*. 2012;7(1):e29408. doi:10.1371/journal.pone.0029408 <http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0029408> (IF 4.41)
- Freitas, F B, Maria Teresa Lourenço Marques Novo, Aida Simões Esteves, Almeida APG. **2012**. SPECIES COMPOSITION AND WNV SCREENING OF MOSQUITOES FROM LAGOONS IN A WETLAND AREA OF THE ALGARVE, PORTUGAL *Frontiers in Systems Biology, Front. Physio.* 2: 122. doi=10.3389/fphys.2011.00122. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3276253/>
- Lourenço PM, Sousa CA, Seixas J, Lopes P, Novo MT, Almeida AP. **2011**. *Anopheles atroparvus* density modeling using MODIS NDVI in a former malarious area in Portugal. *J Vector Ecol*. 2011 Dec;36(2):279-91. doi: 10.1111/j.1948-7134.2011.00168.x. PMID: 22129399 [PubMed - in process]
- Carvalho, I. Lopes de, Rocha, Almeida AP. Immune Reactivity to Dengue and *Aedes albopictus* Mosquitoes in the Population from Macao, China, Before Dengue Occurrence. *In Vivo*. 2011 Jul-Aug;25(4):625-31.
- Almeida A.P.G., Freitas F.B., Novo M.T., Sousa C.A., Rodrigues J.C., Alves R., Esteves A. **2010**. Mosquito Surveys and West Nile Virus Screening in two Different Areas of Southern Portugal, 2004-2007. *Vector-Borne and Zoonotic Diseases*, 10: 673-680.
- Toubarro, D., Ralha, D., Carvalho, S., Tomás, A.M., Almeida, A.P.G. **2010**. A Possible Key Molecule for the Invasion of the Plasmodium berghei Ookinetes into the Midgut Epithelium of *Anopheles gambiae* Mosquitoes. *In vivo*, 24:271-280.
- Cardoso, P. & Almeida, A. P. G. **2010**. Envenenamento por aranhas em Portugal: verdade ou mito? *Acta Médica Portuguesa*; 23: 033-038.
- Gomes, B, Sousa, C, Novo, M, Freitas, FB, Alves R, Côrte-Real AR, Salgueiro P, Donnelly MJ, Almeida AP, Pinto J. **2009**. Asymmetric introgression between sympatric molestus and pipiens forms of *Culex pipiens* (Diptera: Culicidae) in the Comporta region, Portugal. *BMC Evo Biol* 2009; 9: 262. PMID: 19895687 [PubMed - in process] Factor de Impacto (2009)- 4,05 <http://www.biomedcentral.com/1471-2148/9/262>

- Capinha, C., Gomes, E., Reis, E., Rocha, J., Sousa, C.A., do Rosário, V. E., Almeida, A. P. **2009**. Present habitat suitability for *Anopheles atroparvus* (Diptera, Culicidae) and its coincidence with former malaria areas in Mainland Portugal. *Geospatial health*, 3: 177-187. (PubMed - PMID: 19440961).
- Straetemans, M, Almeida, AP, R Bellini, D Coulombier, E Depoortere, R Eritja, D Fontenille, J Giesecke, J Lundström, A Lenhart, J Medlock, E Merdic, L Payne, A Powers, R Romi, A Samanidou, F Schaffner, EJ Scholte, V Versteirt. **2008**. Vector-related risk mapping of the introduction and establishment of *Aedes albopictus* in Europe. *Euro Surveill*;13(7). Available on: http://www.eurosurveillance.org/edition/v13n07/080214_4.asp
- Almeida, A.P.G., Galão, R.P., Sousa, C.A., Novo, M.T., Parreira, R., Pinto, J., Piedade, J., Esteves, A. **2008**. Potential mosquito vectors of arboviruses in Portugal: species, distribution, abundance and West Nile infection. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, 102:823-32. DOI: 10.1016/j.trstmh.2008.03.011
- Almeida, AP, Gonçalves, Y, Novo, MT, Sousa, CA C, Melim, M, Gracio, A. **2007**. Vector monitoring of *Aedes aegypti* in the Autonomous Region of Madeira, Portugal. *Euro Surveill* 2007;12(11):E071115.6. <http://www.eurosurveillance.org/ew/2007/071115.asp#6>
- Parreira, R., P. Severino, F. Freitas, J. Piedade, A.P.G. Almeida, A. Esteves. **2007**. Two distinct introductions of the West Nile virus in Portugal disclosed by phylogenetic analysis of genomic sequences. *Vector-Borne & Zoonotic Diseases*, 7:344-352.
- Miranda, P.M.A., Moita, R., Casimiro, E., Calheiros, J.M., Sousa, C., Alves-Pires, C., Collares Pereira, M., Cardoso, M., Afonso, O., Almeida, P., Nogueira, P., Sousa, R. **2006**. 10 – Estudo de Caso da Região do Sado. Saúde Humana. Pp. 451-462. In F.D. Santos, & Miranda, P., Eds, *Alterações Climáticas em Portugal: Cenários, Impactos e Medidas de Adaptação. Projecto SIAM II*, Gradiva, Lisboa, Portugal.
- Calheiros, J.M, Casimiro, E., Almeida, A.P.G., Alves-Pires, C., Collares Pereira, M., Cardoso, M.F., Santos-Silva, M., Afonso, O., Sousa, R. **2006**. 6 - Saúde Humana e Implicações para o Turismo. Pp. 233-270. In F.D. Santos, & Miranda, P., Eds, *Alterações Climáticas em Portugal: Cenários, Impactos e Medidas de Adaptação. Projecto SIAM II*, Gradiva, Lisboa, Portugal.
- Margarita, Ysabel, A. J. dos Santos Grácio, Isabel Lencastre, Ana C. Silva, Teresa Novo, Almeida, A.P.G. e M. J. Biscoito. **2006**. Mosquitos de Portugal: primeiro registo de *Aedes (Stegomyia) aegypti* Linnaeus, 1762 (Diptera, Culicidae) na Ilha da Madeira. *Acta Parasitológica Portuguesa*, 13:59-61.
- Esteves, A., Almeida, A.P.G., Galão, R. P., Parreira, R., Piedade, J., Rodrigues, J.C., Sousa, C.A., Novo, M.T. **2005**. West Nile Virus in Southern Portugal, 2004. *Vector-Borne & Zoonotic Diseases*, 5: 410-413.
- Almeida, A.P.G. **2005**. A Educação no Controlo das Doenças Transmitidas por Vectores em África. Pp. 195-215. In, Barata, O.S. & Piepoli, S.I.G.F. Eds, *África: Género, Educação e Poder*, Centro de Estudos Africanos, Instituto Superior de Ciências Sociais e Políticas, Universidade Técnica de Lisboa, Lisboa, Portugal.
- Lopes, P., Lourenço, P., Sousa, C., Novo, T., Rodrigues, J., Almeida, A.P.G., and Seixas, J. **2005**. “Modelling Patterns of Mosquito Density Based on Remote Sensing Images”. Proceedings of the GIS Planet 2005 II International Conference and Exhibition on Geographic Information, CDROM, ISBN 972-97367-5-8.
- Almeida, A.P.G., Galão, R.P., Novo, M.T., Sousa, C.A., Parreira, R., Rodrigues, J.C., Pinto, J., Carvalho, L. **2005**. Update on the distribution of some mosquito (Diptera: Culicidae) species in Portugal. *European Mosquito Bulletin*, 19: 20-25. http://e-m-b.org/sites/e-m-b.org/files/European_Mosquito_Bulletin_Publications811/EMB19/EMB19_07.pdf
- Almeida, A.P.G., Baptista, S.S., Sousa, C.A., Novo, M.T., Ramos, H.C., Panella, N.A., Godsey, M., Simões, M.J., Anselmo, M.L., Komar, N., Mitchell, C.J. and Ribeiro, H.. **2005**. Bioecology and vectorial capacity of *Aedes albopictus* (Diptera: Culicidae) in Macao, China, in relation to dengue virus transmission. *J. Med. Entomology*, 42: 419-428.
- Almeida, A.P.G. and Billingsley, P.F. **2002**. Induced immunity against the mosquito *Anopheles stephensi* (Diptera: Culicidae): effects of cell fraction antigens on longevity, fecundity and *Plasmodium berghei* (Eucoccidiida: Plasmodiidae) transmission. *J. Med. Entomology*, 39: 207-214.
- Silva, A.P. and Almeida, A.P.G. **2002**. Influence of some host blood factors in artificial infections of *An. stephensi* mosquitos with *P. berghei* ookinetes. *Acta Tropica*, 83, Suppl.1:S40-S41.
- Almeida, A.P.G., Afonso, M.O., Alves-Pires, C., Araújo, C., Franca, I., Gomes da Costa, C. Atouguia, J. **2002**. Imported myiasis from tropical countries, in Portugal, 1997-2001. *Acta Tropica*, 83, Suppl.1:S40-S41.

- Ramos, H. C., Ribeiro, H., Mitchell, C.J., Baptista, S., Anselmo, M. L., Novo, M. T., Sousa, C., Almeida, A.P.G., Simões, M.J., Easton, E.R. **2002**. Two new *Uranotaenia* records for Macau (Diptera: Culicidae). *Garcia De Orta (Série de Zoologia)*, 24(1-2): 123-124.
- Sousa, C.A., Pinto, J., Almeida, A.P.G., Ferreira, C., Rosário, V.E., and Charlwood, J.D. **2001**. Dogs as favoured host choice of *Anopheles gambiae* sensu stricto (Diptera: Culicidae) of São Tomé, West Africa. *Journal of Medical Entomology*, 38:122-125.
- Ramos, H.C., Ribeiro, H., Mitchell, C.J., Novo, M.T., Baptista, S., Sousa, C., Almeida, A.P.G., Pedro, M.J., Easton, E.R. & Anselmo, M.L. **2000**. On *Coquilletidia crassipes*, a new record for Macau, with a key to adults of the subgenera and species Groups of the genus (Diptera: Culicidae). *Journal of the American Mosquito Control Association*, 16(2):66-70.
- Almeida, A.P.G. & Billingsley, P.F. **1999**. Induced Immunity against the mosquito *Anopheles stephensi* Liston (Diptera: Culicidae): reactivity and characteristics of immune sera. *Medical and Veterinary Entomology*, 13:53-64.
- Almeida, A.P.G. & Billingsley, P.F. **1998**. Induced Immunity against the mosquito *Anopheles stephensi* Liston (Diptera: Culicidae): effects on mosquito survival and fecundity. *International Journal for Parasitology*, 28:1721-1731.
- Almeida, A.P.G. & Billingsley, P.F. **1994**. The effects of anti-sera and monoclonal antibodies raised against the vector *Anopheles stephensi* on the transmission of *Plasmodium berghei*. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, 88:227.
- Almeida, A.P.G., Bechara G.H. & Varma M.G.R. **1994**. Cross-reactivity between hard tick antigens. *Brazilian J. Med. Biol. Res.*, 27:697-707.