

# Vera Aldeias

Interdisciplinary Center for Archaeology and Evolution of Human Behavior  
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Anthropology,

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## Academic Appointments

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2017 – Present: Invited Associated Researcher, Interdisciplinary Center for Archaeology and Evolution of Human Behavior (ICArEHB), University of Algarve, Faro, Portugal

2017 – Present: Associated Researcher, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany

2013 – 2017: Post-doctoral Researcher, Department of Human Evolution, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany

## Professional Preparation

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2012 – PhD, Department of Earth & Environmental Sciences, University of Pennsylvania

2006 – Pós-Graduação em Geoarqueologia, Faculdade de Ciências, Universidade de Lisboa

2002 – B.A., Licenciatura História variante Arqueologia, Faculdade de Letras, Universidade the Lisboa

## Teaching

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### INSTRUCTOR

*Geoarchaeology*, PhD level course, University of Algarve (Portugal)

*Scientific writing*, PhD level course, University of Algarve (Portugal)

### TEACHING ASSISTANT

*Statistical Methods in Anthropology*, Undergraduate level course, 2010, University of Pennsylvania (USA)

*Natural Disturbances and Human Disasters*, Undergraduate level course, 2009, University of Pennsylvania (USA)

*Introduction to Geology*, Undergraduate level course, 2008 and 2009, University of Pennsylvania (USA)

## Academic Duties - Commissions of trust

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### ADMINISTRATIVE RESPONSABILITIES

2017 – Present: Prehistoric Coastal Adaptations Group Director at ICArEHB

### SUPERVISOR

Current – William Chase Murphree, PhD dissertation  
– M. Cruz Ferro, Post-doctoral project

### PhD JURY COMMITTEE

2019 – Carlos Duarte, PhD degree - external reviewer, Universidad de Cantabria (Spain)  
2018 – Mario Gutiérrez Rodríguez, PhD degree - external reviewer, Universidad de Granada (Spain)  
2018 – Patricia Monteiro, PhD degree, University of Algarve (Portugal)  
2018 – Mangus Haaland, PhD degree, University of Bergen (Norway)

## Career Breaks

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May 2016 – January 2017: Maternity leave

## Grants, Awards & Fellowships

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2018-2021 – **PI**: *Fire among Anatomically Modern Humans and Neandertals as revealed from Archaeological Microstratigraphic Evidence (FLAME)*, Project R&D funded by Fundação para a Ciência e Tecnologia, Portugal  
€239,870.00

2018 -2021 – **Co-PI**: *Documenting Neandertal Fire Signatures through High Resolution Analyses at Pech de l'Azé IV*, National Science Foundation, USA  
\$161,000.00

2017-2022 – **PI**: FCT investigator, *Neandertals and early modern humans Pyrotechnology - FLAME (traces of Fire: Learning from Archaeological Microstratigraphic Evidence)*, personal research grant with awarded exploratory budget  
5-year salary + €50,000.00

2017 – **Co-PI**: *How did Neandertals Use Fire? A micro-contextual approach at the site of Pech de l'Azé IV*, Leakey Foundation  
\$19,000.00

2011-2012 – School of Arts and Sciences (SAS) Dissertation Completion Fellowship, University of Pennsylvania  
\$23,000.00

2010 – Summer Paleontology Research Award, University of Pennsylvania  
\$2,300.00

- 2009 – Greg and Susan Walker Endowment for Student Research in Earth & Environmental Science
- 2007-2011 – Benjamin Franklin Fellowship, School of Arts and Sciences, University of Pennsylvania 2011
- 2009-2010 – Henry C. Lewis Fellow, University of Pennsylvania

## Professional Activities

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- 2018 – Organizing committee for ESHE (European Society for the Study of Human Evolution) annual conference, 2018, Faro, Portugal.
- 2018 – Session organizer, “From Sediments to Behaviour and Palaeoenvironments: Interdisciplinary Approaches to Hunter-Gatherer Contexts during the Late Glacial-Early Holocene”, with Ana Polo-Diaz and Natàlia Éguez, EAA 2018, Barcelona, Spain.
- 2012 – Symposium chair and organizer, “The emergence of modern humans: New Excavations from Contrebandiers Cave (Morocco), with Harold Dibble, SAA, Memphis, USA.
- 2011 – Session organizer, “From the landscape to the site: interdisciplinary approaches in archaeology”, with João Tereso, JIA 2011 meeting, University of Algarve, Faro, Portugal.

## Main Research Projects

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### *PI & Collaborator in charge of Geoarchaeological investigations*

- 2017 – Present      *Project Fire among Anatomically Modern Humans and Neandertals as revealed from Archaeological Microstratigraphic Evidence (FLAME)*, **PI**
- 2017 – Present      Pech de L’Azé IV (France), **co-PI**
- 2016 – Present      Paleo Primate Project, Gorongosa National Park (Mozambique), **Geoarchaeologist**
- 2015– Present      Bacho Kiro Cave (Bulgaria), **Geoarchaeologist**
- 2015– Present      Ledi-Geraru, Bokol Dora (Ethiopia), **Geoarchaeologist**
- 2014 – Present      Montagu Cave (South Africa), **Geoarchaeologist**
- 2014 – Present      MSA survey in Mozambique, **Geoarchaeologist**
- 2013 – 2014      Boker Tachtit (Israel), **Geoarchaeologist**
- 2012 – Present      Cabeço da Amoreira (Portugal), **Geoarchaeologist**
- 2011 – 2015      La Ferrassie (France), **Geoarchaeologist**
- 2009 – 2011      Roc de Marsal (France), **Geoarchaeologist**
- 2006 – 2011      Contrebandiers Cave (Morocco), **Geoarchaeologist**

## Publications

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### *Peer Reviewed Journal Articles:*

- Accepted, n.d. – J. S. Reeves; S. P. McPherron; **V. Aldeias**; H. L. Dibble; P. Goldberg; D. Sandgathe; A. Turq - Measuring Spatial Structure in Time-Averaged Deposits: Insights from Roc de Marsal, France, *Archaeological and Anthropological Sciences*
- 2019 – D. R. Braun, **V. Aldeias**, W. A. Archer, J. R. Arrowsmith, N. Baraki, C. J. Campisano, A. L. Deino, E. N. DiMaggio, G. Dupont-Nivet, B. Engda, D. A. Feary, D. I. Garello, Z. Kerfelew, S. P. McPherron, D. B. Patterson, J.S. Reeves, J. C. Thompson, K.E. Reed – Earliest known Oldowan artifacts at >2.58 Ma from Ledi-Geraru, Ethiopia, highlight early technological diversity, *Proceedings of the National Academy of Sciences*, 201820177
- 2019 – F. Martinez, J. M. Habermann, L. M. Paulo, M. J. Ferreira da Silva, Z. Alemseged, M. Stalmans, M. Pinto, D. Biro, **V. Aldeias**, R. Bobe, D. Braun, S. Carvalho, c. Capelli, E. Negash, M. Bamford, W. Archer, J. Mathe, F. Tátá, H. Madiquida, T. Lüdecke – A missing piece of the Papio puzzle : Gorongosa baboon phenostructure and intrageneric relationships, *Journal of Human Evolution*, 130, 1-20.
- 2019 – **V. Aldeias**, S. Gur-Arieh, R. Maria, P. Monteiro, P. Cura – *Shell* we cook it? An experimental approach to the microarchaeological record of shellfish roasting, *Archaeological and Anthropological Sciences*, Special Issue: Shellmidden Microarchaeology unraveled, vol. 11, 389-407.
- 2019 – K. Wroth, D. Cabanes, J. M. Marston, **V. Aldeias**, D. Sandgathe, A. Turq, P. Goldberg, H. Dibble - Neanderthal Plant Use and Pyrotechnology: Phytolith Analysis at Roc de Marsal, *Archaeological and Anthropological Sciences*, in press.
- 2019 – J. Habermann, M. Alberti, **V. Aldeias**, Z. Alemseged, W. Archer, M. Bamford, D. Biro, D. Braun, C. Capelli, E. Cunha, M. F. Silva, T. L. Lüdecke, H. Madiquida, F. I. Martinez, J. Mathe, E. Negash, L. M. Paulo, M. Pinto, M. Stalmans, F. T. Regala, J.G. Wynn, R. Bobe, S. Carvalho – Gorongosa by the sea: First Miocene fossil sites from the Urema Rift, central Mozambique, and their coastal paleoenvironmental and paleoecological contexts, *Palaeogeography, Palaeoclimatology, Palaeoecology*, 514, 723-738.
- 2018 – D. Sandgathe, S. McPherron, P. Goldberg, **V. Aldeias** - Harold L. Dibble (1951-2018). *Nature ecology & evolution*, 2(10), 1521.
- 2018 – H.L. Dibble, D. Sandgathe P. Goldberg, S.J.P. McPherron, **V. Aldeias** – Were Western European Neandertals Able to Make Fire? *Journal of Paleolithic Archaeology*, 1(1), 54-79.

- 2018 – P. Goldberg, **V. Aldeias** – Why Does (Archaeological) Micromorphology Have Such Little Traction in (Geo)Archaeology? *Archaeological and Anthropological Sciences*, 10(2), 269-278.
- 2017 – H.L. Dibble, **V. Aldeias**, P. Goldberg, S.J.P. McPherron, D. Sandgathe – How did hominins adapt to ice age Europe without fire? *Current Anthropology*, Wenner-Gren Symposium: Fire and the Genus Homo, 58, S16, 278-287.
- 2017 – **V. Aldeias** – Experimental approaches to archaeological fire features and their behavioral relevance. *Current Anthropology*, Wenner-Gren Symposium: Fire and the Genus Homo, 58, S16, 191-205.
- 2017 – M. Frouin, G. Guérin, C. Lahaye, N. Mercier, S. Huot, **V. Aldeias**, L. Bruxelles, L. Chiotti, H. L. Dibble, P. Goldberg, S. Madelaine, S.J.P. McPherron, D. Sandgathe, T.E. Steele, A. Turq – New luminescence dating results based on polymineral fine grains from the Middle and Upper Palaeolithic site of La Ferrassie (Dordogne, SW France), *Quaternary Geochronology*, 39, 131-141.
- 2017 – G. Guérin, M. Frouin, J. Tuquoi, K. J. Thomsen, P. Goldberg, **V. Aldeias**, C. Lahaye, N. Mercier, P. Guibert, M. Jain, D. Sandgathe, S. P. McPherron, A. Turq, H.L. Dibble – The complementarity of luminescence dating methods illustrated on the Mousterian sequence of the Roc de Marsal: A series of reindeer-dominated, Quina Mousterian layers dated to MIS 3, *Quaternary International*, 433, 102-115
- 2016 – **V. Aldeias**, H.L. Dibble, D. Sandgathe, P. Goldberg, S.J.P. McPherron – How heat alters underlying deposits and implications for archaeological fire features: a controlled experiment. *Journal of Archaeological Science*, 67, 64-79.
- 2016 – **V. Aldeias**, N. Bicho – Embedded Behavior: human activities and the construction of the Mesolithic shellmound of Cabeço da Amoreira (Muge, Portugal). *Geoarchaeology*, 31, 530-549.
- 2016 - N. Bicho, J. Haws, M. Raja, O. Madime, C. Gonçalves, J. Cascalheira, M. Benedetti, T. Pereira, **V. Aldeias** – Middle and Late Stone Age of the Niassa Region, Northern Mozambique. Preliminary results, *Quaternary International*, 404, part B, 87-99.
- 2015 - Guérin, G., Frouin, M., S. Talamo, , **Aldeias, V.**, Bruxelles, L., Chiotti, L., Dibble, H.L., Goldberg, P., Hublin, J.-J., Jain, M., Lahaye, C., Madelaine, S., Maureille, B., McPherron, S.J.P., Mercier, N., Murray, A.S., Sandgathe, D., Steele, T.E., Thomsen, K.J., Turq, A., – A multi-method luminescence dating of the Palaeolithic sequence of La Ferrassie based on new excavations adjacent to the La Ferrassie 1 and 2 skeletons. *Journal of Archaeological Science*, 58, 147-166.
- 2015 - H.L. Dibble, **V. Aldeias**, P. Goldberg, S.P. McPherron, D. Sandgathe, T.E. Steele – A critical look at evidence from La Chapelle-aux-Saints supporting an intentional Neandertal burial, *Journal of Archaeological Science*, 53, 649-657.

- 2014 – **V. Aldeias**, P. Goldberg, H.L. Dibble, M. El-Hajaraoui – Deciphering Site Formation processes through Soil Micromorphology at Contrebandiers Cave, Morocco, *Journal of Human Evolution*, 69, 8-30.
- 2013 – P. Goldberg, **V. Aldeias**, H.L. Dibble, S. McPherron, D. Sandgathe, A. Turq – Testing the Roc de Marsal “Burial” with Geoarchaeology, *Archaeological and Anthropological Sciences, special issue: Geoarchaeology of Ritual Behavior and Sacred Places*, 1-11.
- 2013 – H.L. Dibble, **V. Aldeias**, Z. Jacobs, D.I. Olzewski, Z. Rezek, S. Lin, E. Alvarez-Fernandéz, C. Barshay-Szmidt, E. Hallet-Desguez, , D. Reed, K. Reed, D. Richter, T.E. Steele, A. Skinner, B. Blackwell, E. Doronicheva, M. El-Hajaraoui – On the industrial attributions of the Aterian and Mousterian of the Maghreb, *Journal of Human Evolution*, 64, 194-210.
- 2012 – H.L. Dibble, **V. Aldeias**, E. Alvarez-Fernandéz, B. Blachwell, E. Hallet-Desguez, Z. Jacobs, P. Goldberg, A. Morala, M.C. Meyer, D.I. Olzewski, K. Reed, D. Reed, T.E. Steele, D. Richter, R.G. Roberts, D. Sandgathe, U. Schurmans, A. Skinner, M. El-Hajraoui – New excavations at the Site of Contrebandiers Cave, Morocco, *Paleoanthropology*, 145-201.
- 2012 – **V. Aldeias**, P. Goldberg, D. Sandgathe, F. Berna, H.L. Dibble, S. McPherron, A. Turq, Z. Rezek – Evidence for Neandertal use of fire at Roc de Marsal (France), *Journal of Archaeological Science*, 39, 2414-2423.
- 2011 – Z. Jacobs, M. Meyer, R. Roberts, **V. Aldeias**, H.L. Dibble, M. El-Hajraoui – Single-grain OSL dating at La Grotte des Contrebandiers ('Smugglers' Cave'), Morocco: improved Marine Isotope Stage 5 age constraints for the Middle Paleolithic level. *Journal of Archaeological Science*, 38, 3631-3643.

#### **Book Chapters:**

- 2012 – **V. Aldeias** – Contexte Géologique et Remplissage Sédimentaire (Chapitre XXVIII, Partie 4, Grotte des Contrebandiers). In: El Hajraoui, M. A.; Nespoulet, R.; Debénath, A. & Dibble, H. (eds.). *Préhistoire de la Région de Rabat-Témara*. VESAM, Vol. III, INSAP, Rabat: 205-210.
- 2003 – **V. Aldeias** – Estudos Geoarqueológicos em Portugal: breve historial [Geoarchaeological studies in Portugal: brief review]. In *Paleoecologia Humana e Arqueociências. Um programa multidisciplinar para a Arqueologia sob a tutela da cultura*, Eds. José E. Mateus & Marta Moreno-Garcia, Trabalhos de Arqueologia, 29, Ministério da Cultura; Instituto Português de Arqueologia: 39-41.

#### **Other publications (non-peer reviewed journals):**

- 2017 – C. Duarte, A.M. costa, V. Aldeias –Microfácies sedimentares em contextos conquíferos: primeiros resultados do Cabeço da Amoreira (Muge) e das Poças de São Bento (Sado) e o seu potencial interpretativo nos padrões de comportamento humano no Mesolítico. *II Congresso Associação Portuguesa de Arqueólogos*, Lisboa
- 2016 – Sirakov, N., Tsanova, T., Hublin, J.-J., **Aldeias, V.**, McPherron, S. P., Marreiros, J., Krumov, I., Sinet-Mathiot, V., Spassov, R. Upper Palaeolithic sequence in Bacho Kiro cave: Reopening of investigation *Archaeological discoveries and excavation from 2015* (pp. 46-49): NIAM-BAN.
- 2016 –Sirakov, N., Tsanova, T., Krumov, I., Spassov, R., Chukalev, K., & **Aldeias, V.** Archaeological survey in karst areas of Upper Jantra Valley (Central North Bulgaria) *Archaeological discoveries and excavation from 2015* (pp. 816-821): NIAM-BAN.
- 2010 – A. Martins, C. Neves, **V. Aldeias** – Arqueologia Medieval-Moderna: os silos da Avenida Miguel Fernandes – Beja [Medieval-Modern Archaeology: the silos from Avenida Miguel Fernandes - Beja]. In BICHO, N.(coord.) - Actas do IV Congresso de Arqueologia Peninsular (2004) - As Idades Medieval e Moderna na Península Ibérica, Promontoria Monográfica, 13, Universidade do Algarve, pp. 205-212.
- 2008 – A. Martins, C. Neves, **V. Aldeias** – Beja Medieval: os silos da Avenida Miguel Fernandes [Medieval Beja: the silos from Avenida Miguel Fernandes]. *Vipasca – Arqueologia e História*. Actas do III Encontro de Arqueologia do Sudoeste Peninsular, n.2, Ila série, 600-609.
- 2006 – C. Neves, J. Tereso, **V. Aldeias**, R. Gaspar – O Património Arqueológico de Alcobaça: Apontamentos sobre a sua Conservação, Valorização e Divulgação [The archaeological patrimony of Alcobaça: Notes about Conservation, Valorization and Public outreach]. *Actas do 3º Seminário do Património da Região Oeste*, Cadaval, 26, 27 e 28 de Novembro de 2004, 47-58.
- 2006 – J. Tereso, C. Neves, R. Gaspar, **V. Aldeias**, C. Duarte, D. Gonçalves, F. Neto, V. Pinheiro, – A necrópole neolítica da Gruta do Rio Seco (Alcobaça): Dados da primeira intervenção [The Neolithic necropolis of Rio Seco's Cave (Alcobaça): results of the first campaign]. *Actas do IV Congresso de Arqueologia Peninsular. Simbolismo, Arte e Espaços Sagrados na Pré-história da Península Ibérica (Promontoria Monográfica, 5)*. Universidade do Algarve, 89-110.
- 2006 – R. Gaspar, **V. Aldeias** – O sítio da Vala Real (Salvaterra de Magos, Santarém), contributo para o conhecimento do Neolítico antigo no Baixo Tejo [The site of Vala Real (Salvaterra de Magos, Santarém): contribution for the knowledge of the ancient Neolithic in the lower Tagus]. *Actas do IV Congresso Peninsular*, Faro, Setembro de 2004, ADECAP, Universidade do Algarve, 171-181.
- 2006 – **V. Aldeias**, R. Gaspar, C. Neves, J. Tereso – O património pré-histórico de Alcobaça: uma proposta para a sua reavaliação e estudo [The Pré-Historic Heritage of

Alcobaça: a proposal for its reevaluation and study]. *Espaços Adepa 2. Revista de Património*. Adepa, 70-75.

- 2005 – **V. Aldeias**, R. Gaspar – O sítio Paleolítico de Arneiro Cortiço (Benavente): intervenções de emergência nos terraços do Tejo [The Paleolithic site of Arneiro Cortiço (Benavente): Archaeological intervention in the contexts of the Tagus terraces]. *O Paleolítico. Actas do IV Congresso Peninsular. Promontoria Monográfica 02*, Faro, 14 a 19 de Setembro de 2004, Universidade do Algarve, 385-396. 4
- 2003 – D.E. Angelucci, **V. Aldeias** – As estruturas em fossa da Praça Lima e Brito em Arraiolos: observações geoarqueológicas [The negative structures of Praça Lima e Brito in Arraiolos: geoarchaeological observations]. *Trabalhos do CIPA*, nº 41, IPA, Lisboa.

## **Guest Lectures & Invited Symposiums**

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- 2019 – *Sedimentary Signatures of Human Behaviour – an example from Coastal Mesolithic Shell Mounds in Portugal*, IberoArchUK 2019, University of Cambridge
- 2018 – *From Site Formation to Anthropogenic Deposits: a micromorphological perspective on the invisible record*, Symposium “Microhistorias de La Tierra: Geoarqueología de alta resolución en la investigación de las sociedades del pasado”, Universidad de Granada, Spain
- 2017 – *Behavioral and Paleoenvironmental Reconstruction of Coastal Mesolithic Shell Mounds*, Workshop “Using Archaeological Sciences to Address Human Behavior”, Tübingen University, Germany
- 2017 – *On experimentation and Site Formation: a Geoarchaeological Perspective on Human Behavior*, University of La Laguna, Tenerife, Spain
- 2017 – *Deciphering the Archaeological Record from its Invisible Evidence*, Department of Archaeology, University of Leiden, Netherlands
- 2015 – Invited participant *Fire and the Genus Homo*, Wenner-Gren Symposium, October 16-22, Sintra, Portugal
- 2015 – *Significance of use and control of fire*, graduate-level lecture, Max Planck Institute, IMPRS, Germany
- 2012 – *Métodos de Registo de Campo*. Graduate course: Métodos e Técnicas de Registo de Campo, Universidade de Lisboa, Portugal

## **Professional Presentations**

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- Communication: “Were (Western European) Neandertals able to make fire?”*, D. Sandgathe, **V. Aldeias**, P. Goldberg, H. Dibble, Presented at the McDonald Institute for Archaeological Research, University of Cambridge, UK. Jan. 30, 2019
- Communication: “New high-resolution 14C chronology for Bacho Kiro cave, Bulgaria spanning the Middle to Upper Palaeolithic transition”*, H.Fewlass, S. Talamo, L. Wacker, B.Kromer, T. Tuna, Y. Fagault, E. Bard, **V. Aldeias**, R. Maria, N. L. Martisius, S. McPherron,

L.Paskulin, Z. Rezek, V. Sinet-Mathiot, N. Sirakov, S. Sirakova, G. M Smith, R. Spasov, T.Tsanova, F. Welker, J.-J. Hublin, ESHE meeting, Faro, September 2018.

*Communication: "Using time-averaged cave deposits and geospatial statistics to demonstrate spatial structure in Neandertal behavior", J. Reeves, S. McPherron, V. Aldeias, H. L. Dibble, P. Goldberg, D. Sandgathe, A. Turq, ESHE meeting, Faro, September 2018.*

*Poster: "A Micro-Contextual Approach to Neandertal use of fire at Pech de l'Azé IV (Dordogne, France)", V. Aldeias, D. Sandgathe, P. Goldberg and H.L. Dibble, ESHE meeting, Faro, September 2018.*

*Poster: "Gorongosa by the sea: Miocene coastal environments of central Mozambique and their primate land-use potential", J. M. Habermann, M. Alberti, V. Aldeias, Z. Alemseged, W. Archer, M. Bamford, D. Biro, D. R. Braun, C. Capelli, E. Cunha, M. Ferreira da Silva, T. Lüdecke, H.Madiquida, F. Martínez, J. Mathe, E. Negash, L. M. Paulo, M. Pinto, M. Stalmans, F. Tátá Regala, J. Wynn, R.Bohe, Susana Carvalho, ESHE meeting, Faro, September 2018.*

*Communication: "Tick Shells, Personal Ornamentation, and Marine Resource Exploitation during the Late Pleistocene at Contrebandiers Cave (Temara, Morocco)", T. Steele, E. Álvarez-Fernández, E. Hallet-Desguez, V. Aldeias, M. El Hajraoui, H. Dibble. PaleoAnthropology Society Meeting, Austin, Texas, 10-11 April 2018.*

*Poster: "Genetic and morphological characterization of the baboon population of Gorongosa National Park", C. Capelli, M. J. Ferreira da Silva, F. I. Martinez, D. Biro, V. Aldeias, Z. Alemseged, W. Archer, M. Bamford, R. Bobe, D. R. Braun, E. Cunha, J. Habermann, T. Luedecke, H. Madiquida, E. Negash, L.M. Paulo, M. Pinto, M. Stalmans, F. Tátá, J. Wynn S. Carvalho, Frontiers in Baboon Research, Goettingen, October 2017.*

*Communication: "Gorongosa National Park and the biogeography of human origins in the Mio-Pliocene", S. Carvalho, V. Aldeias, Z. Alemseged, W. Archer, M. Bamford, D. Biro, R. Bobe, D. R. Braun, C. Capelli, E. Cunha, J. Ferreira da Silva, J. Habermann, T. Ludecke, H. Madiquida, F. Martinez, E. Negash, L. M. Paulo, M. Pinto, M. Stalmans, F. Tátá, J. Wynn, ESHE Leiden, September 2017.*

*Poster: "Middle and Upper Paleolithic in Southeastern Europe: Preliminary Results from Excavations at Two Newly Discovered Sites in Serbia", T. Dogandžić, S. Talamo, V. Dimitrijević, T.Lauer, V. Aldeias, S.P. McPherron, D. Mihailović, Paleoanthropology Society meeting, Vancouver, March 2017.*

*Communication: "Nassarius shells, personal ornamentation, and marine resource exploitation during the Late Pleistocene at Contrebandiers Cave (Temara, Morocco)", T. Steele, E. Álvarez-Fernández, E. Hallett-Desguez, V. Aldeias, M. El-Hajraoui, H. Dibble, Workshop of Humans' Earliest Personal Ornaments, Steinhardt Museum of Natural History at Tel Aviv University, 6-8 March 2017.*

*Poster: "Micro remains in thin section and their archaeological significance", V. Aldeias, WAMPAS, Leipzig, December 2016. DOI: 10.13140/RG.2.2.21770.47044*

- Poster: "On the context of the Neanderthal Skeletons at La Ferrassie: New evidence on old data", P. Goldberg, V. Aldeias, A. Balzeau, L. Bruxelles, L. Chiotti, I. Crevecoeur, H. L. Dibble, A. Gómez-Olivencia, G. Guérin, J.-J. Hublin, B. Maureille, S. J. P. McPherron, S. Madelaine, D. M. Sandgathe, T. Steele, S. Talamo, A. Turq, ESHE meeting, Madrid, September 2016.*
- Poster: "New data on the context of the La Ferrassie 8 Neandertal child skeleton (Grand Abri of La Ferrassie, Dordogne, France)", A. Balzeau, V. Aldeias, L. Bruxelles, L. Chiotti, I. Crevecoeur, C. Daujeard, H. L. Dibble, P. Goldberg, A. Gómez-Olivencia, G. Guérin, J.-J. Hublin, S. Madelaine, D. M. Sandgathe, C. Schwab, S. Talamo, A. Turq, ESHE meeting, Madrid, September 2016.*
- Poster: "The Microstratigraphic Record of Montagu Cave (South Africa)", V. Aldeias, D. Presnyakova, S. Gur-Arieh, A. Sumner, M. Shaw, L. Hutten, G. Porraz, W. Archer, Society of Africanist Archaeologists (SAfA) meeting, Toulouse, 26 June – 2 July, France, 2016. DOI: 10.13140/RG.2.1.1800.4725*
- Communication: "Coastal marine resource exploitation during the Late Pleistocene at Contrebandiers Cave (Temara, Morocco)", T. Steele, E. Álvarez-Fernández, E. Hallett-Desquez, V. Aldeias, M. El-Hajraoui, H. Dibble, SAA meetings, Orlando, 2016.*
- Communication: "How to make a Mesolithic shell mound? Microstratigraphic investigations of Cabeço da Amoreira (Muge, Portugal)", V. Aldeias, J. Cascalheira, J. Marreiros, T. Pereira, N. Bicho, MESO 2015, Serbia, 2015.*
- Communication: "Shell we cook it? An experimental approach on cooking shellfish", V. Aldeias, S. Gur-Arieh, MESO 2015, Serbia, 2015.*
- Communication: "Montagu Cave in Prehistory: current excavation and analyses of the Acheulean sequence", W. Archer, D. Presnyakova, A. Sumner, V. Aldeias, S. Gur Arie, M. Hernandez, M. Shaw, G. Porraz, L. Hutten, C. Poggenpoel, C.M. Keller, Pecha Kucha session, ESHE meeting, London, 2015*
- Poster: "Middle and Late Stone Age of the Niassa Region, Northern Mozambique", N. Bicho, J. Haws, M. Raja, O. Madime, C. Gonçalves, J. Cascalheira, V. Aldeias, M. Benedetti, T. Pereira, ESHE meeting, London, 2015*
- Poster: "First chronometric ages for La Ferrassie Neanderthals LF1 and LF8 and a comparison with the age of LF2", G. Guérin, M. Frouin, C. Lahaye, N. Mercier, P. Goldberg, V. Aldeias, A. Turq, H.L. Dibble, S. McPherron, D. Sandgathe, J.J Hublin, B. Maureille, A. Balzeau, I. Crévecoeur, A. Gómez-Olivencia, S. Talamo, ESHE meeting, London, 2015.*
- Communication: "Sea Shells by the Sea Shore: Microstratigraphic investigations of the Cabeço da Amoreira Mesolithic shellmound (Muge, Portugal)", V. Aldeias, Symposium: Archaeology in Context: The influence of the Geoarchaeological Career of Paul Goldberg, SAA meetings, San Francisco, 2015.*
- Communication: "A most Interesting Carrer: Paul Goldberg's other contributions to life and science", D. Sandgathe, V. Aldeias, H. Dibble and S. McPherron; Symposium:*

Archaeology in Context: The influence of the Geoarchaeological Career of Paul Goldberg, SAA meetings, San Francisco, 2015.

*Poster: "A Microarchaeological Reconstruction of Neandertal Behavioral Complexity in Southwest France"*, K. Wroth, D. Cabanes, P. Goldberg, D. Sandgathe and **V. Aldeias**; Poster Session: Paleoanthropology and the Archaeology of the Stone Age, SAA meetings, San Francisco, 2015.

*Communication: "Aspects of Site Formation Processes at the Paleolithic site of La Ferrassie (Dordogne), France"*, P. Goldberg, **V. Aldeias**, D. Sandgathe, A. Turq, L. Bruxelles, L. Chiotti, S. McPherron, H. Dibble; The Frison Institute/Geoarchaeology Interest Group Symposium: Archaeology and Geoarchaeology of Rockshelters and Caves, SAA meetings, San Francisco, 2015.

*Communication: "Middle and Late Stone Age of the Niassa Region, Northern Mozambique. Preliminary Results"*, N. Bicho, J. Haws, M. Raja, O. Madime, C. Gonçalves, J. Cascalheira, **V. Aldeias**, M. Benedetti, T. Pereira, AfQUA Conference, Baxter Theatre Centre, Lower Campus, University of Cape Town, Rondebosch, Cape Town, South Africa, 30th January - 8th February, 2015.

*Poster: "Insights into Site Formation Processes of the Middle and Upper Paleolithic Layers in the Western Section of La Ferrassie (Dordogne)"*, **V. Aldeias**, P. Goldberg, D. Sandgathe, H. Dibble, S. McPherron, L. Chiotti, G. Guérin, L. Bruxelles, V. Sinet-Mathiot, A. Turq; ESHE meetings, Florence, Italy, 18-21 September 2014,.

*Poster: "Further elements on the chronology of the Roc de Marsal (SW France) Middle Palaeolithic sequence: insights from quartz Single Grain OSL and various K-feldspar IRSL signals"*, G. Guérin, M. Frouin, C. Lahaye, N. Mercier, P. Goldberg, **V. Aldeias**, A. Turq, H. Dibble, S. McPherron, D. Sandgathe; XVII UISPP Congress, 1-7 September, Burgos, Spain, 2014.

*Communication: "New Excavations at La Ferrassie: Preliminary Results on some of the Lithic Industries"*, A. Turq, H. Dibble, **V. Aldeias**, L. Chiotti, P. Goldberg, G. Guérin, M. Frouin, S. McPherron, D. Sandgathe; 3<sup>rd</sup> Annual Meeting of the European Society for the Study of Human Evolution (ESHE), Vienna, Austria, 19-21 September, 2013.

*Communication: "'Habitual' and 'Controlled' use of Fire in the Late Pleistocene of Western Europe?"*, D. Sandgathe, **V. Aldeias**, H.L. Dibble, P. Goldberg, S.P. McPherron, A. Turq; Canadian Archaeological Association's annual Meeting, Whistler, BC, 2013.

*Communication: "ESR dating at Grotte de Contrebandiers, Témara, Morocco"*, B.A.B Blackwell, A.R. Skinner, H.L. Dibble, T. Yau, T.Z. Tsomo, C. Falguères, **V. Aldeias**, S.P. McPherron, M. A. El-Hajraoui; 2013 EPR Biodose Conference in Leiden, March 2013.

*Communication: "A Geoarchaeological Perspective on Late Pleistocene Hominin Behavior: examples from Roc de Marsal and Contrebandiers Cave"*, **V. Aldeias**, presented at the Department of Human Evolution, Max Planck Institute for Evolutionary Anthropology, October 2012.

- Communication: "Questions of Scale and of Time: Palimpsests and Micromorphology in the Middle Paleolithic of Southwest France", S.P. McPherron, V. Aldeias, F. Berna, H. L. Dibble, P. Goldberg, Z. Rezek, D. Sandgathe, A. Turq; paper presented at "Bridging Gaps: Integrating Geosciences with Archaeological Research" organized by Nicholas Conard, Paul Goldberg, Susan Mentzer, and Christopher E. Miller at Tübingen University, May 10-13, 2012.*
- Communication: "Stratigraphy and Site Formation Processes at Contrebandiers Cave, Morocco", V. Aldeias, and P. Goldberg, in Symposium – The Emergence of Modern Humans: New Evidence from Contrebandiers Cave, SAA, Memphis Tennessee, 2012.*
- Communication: "On the use of hearths as a tool for reconstructing Middle Paleolithic spatial organization", V. Aldeias, P. Goldberg, D. Sandgathe, H. Dibble, Z. Rezek, S. McPherron and A. Turq, in Paleoanthropology Society, Memphis Tennessee, 2012.*
- Communication: "Between the Atlantic and the Desert: Stratigraphy and Site Formation Processes at Contrebandiers cave, Morocco", V. Aldeias. JIA 2011 meeting, Faro, 2011.*
- Communication: "Processos de formação do registo arqueológico e estruturas de combustão paleolíticas: os exemplos de Roc de Marsal e gruta dos Contrebandiers (Marrocos)", V. Aldeias, Associação dos Arqueólogos Portugueses, Lisbon, 2010.*
- Communication: "The Mousterian Combustion Features at Roc de Marsal", V. Aldeias, Z. Rezek, H.L. Dibble, P. Goldberg, D. Sandgathe, S.P. McPherron, A. Turq, SAA meeting, Saint Louis, 2010.*
- Communication: "Hearths and Home at Roc de Marsal and Pech L'Aze IV", H.L. Dibble, P. Goldberg, D. Sandgathe, S.P. McPherron, A. Turq, V. Aldeias, Tarragona, 2009.*
- Communication: "The middle Paleolithic site of Arneiro Cortiço (Benavente): Archaeological intervention in the contexts of the Tagus terraces", V. Aldeias, R. Gaspar, in the IV Congress of Peninsular Archaeology, ADECAP, University of Algarve, Faro, September 19th 2004.*
- Communication: "Arqueologia Medieval – Moderna. Os silos da Av. Miguel Fernandes (Beja)" - ["Medieval-Modern archaeology. The silos from Av. Miguel Fernandes (Beja)"], A. Martins, C. Neves, V. Aldeias; in IV Congress de Peninsular Archaeology, ADECAP, University of Algarve, Faro, September 19th 2004.*
- Poster: "O sítio da Vala Real (Salvaterra de Magos, Santarém), contributo para o conhecimento do Neolítico antigo no Baixo Tejo" - ["The site of Vala Real (Salvaterra de Magos, Santarém), contribution for the knowledge of the ancient Neolithic occupation in the lower Tagus"], V. Aldeias, R. Gaspar, IV Congress de Peninsular Archaeology, ADECAP, University of Algarve, Faro, September 2004.*
- Poster: "O Povoamento Pré-histórico do concelho de Alcobaça: o caso da Gruta do Rio Seco" - ["The pre-historic occupation of Alcobaça: the case of the Rio Seco cave"], J. Tereso, V. Aldeias, C. Neves, R. Gaspar, IV Congress de Peninsular Archaeology, ADECAP, University of Algarve, Faro, September 18th 2004.*

Poster: “Gruta do Rio Seco (Carris) um exemplo do salvamento do património arqueológico de Alcobaça” - [“The Rio Seco’s cave (Carris): an example of the conservation of the archaeological heritage from the Alcobaça region”], J. Tereso, C. Neves, **V. Aldeias**, R. Gaspar, exposition of the responsibility of the City council of Alcobaça, Fair of S. Bernardo.

## **Additional Fieldwork Experience**

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### *1. Geologist & Archaeological Micromorphologist*

2012: Archaeological excavations at the Paleolithic Site of La Gane (France).

2013-2014: Archaeological excavations at the Mesolithic shell midden of Cabeço da Arruda, Muge (Portugal).

2007–2010: Archaeological excavations at the Middle Paleolithic/Middle Stone Age site of El Mnasra Cave (Morocco).

2003: Geoarchaeological study of the Epipaleolithic site of Barca do Xerez de Baixo (Reguengos de Monsaraz, Portugal), under the orientation of Dr. Diego Angelucci for STEA.

### *2. Site Director & Field Supervisor*

2004–2006: “The pre-historic occupation of the Alcobaça region, Portugal”, project approved by the Portuguese Archaeological Institute (IPA) in collaboration with João Tereso, Rita Gaspar and César Neves.

2005: Archaeological work in the Lapedo Valley (Leiria, Portugal) for the Portuguese Institute of Archaeology (IPA), scientific orientation by Francisco Almeida and Diego Angelucci.

2004: Archaeological excavation at the Neolithic necropolis of Rio Seco's cave (Carris – Alcobaça, Portugal), co-direction with João Tereso, Rita Gaspar and César Neves.

2004: Archaeological excavation at the Middle Paleolithic site of Arneiro Cortiço (Salvaterra de Magos, Portugal), co-direction with Rita Gaspar for Crivarque lda.

2004: Archaeological excavation at the Paleolithic site of Belmonte (Salvaterra de Magos, Portugal), co-direction with Rita Gaspar for Crivarque lda.

2004: Archaeological excavation at the Neolithic site of Vala Real (Salvaterra de Magos, Portugal), co-direction with Rita Gaspar for Crivarque lda.

2003: Archaeological excavation at the Medieval/Modern levels of the Av. Miguel Fernandes in the city of Beja (Portugal), co-direction with Andrea Martins and César Neves for Crivarque lda.

### *3. Excavator in Cultural Resource Management & Fieldwork Volunteer*

#### PALEOLITHIC

2012: Middle Paleolithic/Middle Stone Age site of Rhafas (Morocco), directed by J. Bouzouggar.

2004 - 2010: Middle Paleolithic site of Roc de Marsal (Dordogne, France), directed by Harold Dibble, Shannon McPherron, Dennis Sandgathe, Paul Goldberg and Alain Turq.

- 2007: Middle Paleolithic/Middle Stone Age site of Jebel Irhoud (Morocco), directed by Shannon McPherron and Jean-Jacques Hublin.
- 2005-2006: Abydos Survey for Paleolithic Sites (Egypt), directed by Harold Dibble, Shannon McPherron and Deborah Olszewski.
- 2004: Middle Paleolithic site of Les Pradelles (France), directed by Bruno Maureille.
- 2003: Mesolithic site of Abrigo da Palha (Chitas valley, Leiria, Portugal), field direction by Ana Braz and Rita Gaspar.
- 2002: Archaeological excavations in the Chitas valley (Leiria, Portugal), field direction by Ana Braz, Telmo Pereira and Rita Gaspar.
- 2002: Epipaleolithic site of Barca do Xerez de Baixo (Reguengos de Monsaraz, Portugal), in the Alqueva dam area, site directed by Ana Cristina Araújo.
- 2001: Study of lithic assemblages from the Paleolithic sites of Lapa dos Coelho (Almonda, Torres Novas) and Abrigo do Lagar Velho (Lapedo, Leiria), under the orientation of Francisco Almeida,
- 2001: Paleolithic site of Molino Escobedo 5 (Spain), in the area of the Alqueva dam, site directed by Telmo Pereira.
- 2001: Lower Paleolithic site of Casal do Azemel (Batalha, Portugal), directed by João Pedro Cunha-Ribeiro.
- 2000 - 2001: Upper Paleolithic site of Abrigo do Lagar Velho (Lapedo valley, Leiria, Portugal), directed by Francisco Almeida.
- 2000 - 2001: Upper Paleolithic site of Lapa dos Coelho (Torres Novas, Portugal), directed by Francisco Almeida.
- 2001: Middle Paleolithic site of Gruta site da Oliveira (Torres Novas, Portugal), directed by João Zilhão.
- 2000: Middle Paleolithic site of Foz do Enxarrique (Vila Velha de Rodão, Portugal), directed by Luis Raposo.
- 1999: Middle Paleolithic site of Retorta (Reguengos de Monsaraz, Portugal), in the Alqueva dam area, site directed by Francisco Almeida.

#### NEOLITHIC/CALCOLITHIC

- 2002: Neolithic site of Belas Clube Campo (Belas, Sintra, Portugal), directed by Alexandra Valente.
- 2001: Neolithic site of Zibreira (Belas, Sintra, Portugal), directed by Carla Fernandes.
- 2000: Neolithic and Calcolithic levels of Penedo do Lexim (Mafra, Portugal), directed by Ana Catarina Sousa.
- 2000: Neolithic dolmen of Pioronal 1 (Reguengos de Monsaraz, Portugal), directed by Victor Gonçalves,
- 2000: Neolithic site of Valmor (Belas, Sintra, Portugal), directed by Carla Fernandes.
- 1999: Neolithic dolmen of Pioronal 3 (Reguengos de Monsaraz, Portugal), directed by Victor Gonçalves,
- 1999: Neolithic site of Fonte dos Sapateiros (Reguengos de Monsaraz, Portugal), directed by Victor Gonçalves.
- 1999: Neolithic site of Malhada dos Gatos 4 (Reguengos de Monsaraz, Portugal), directed by Victor Gonçalves.

#### ROMAN / IRON AGE

- 2000: Archaeological survey focusing on roman sites in the Almodôvar area (Portugal), under the direction of Samuel Melro, Ana Cristina Ramos and Teresa Laço.
- 1999 - 2000: Roman and Iron Age levels of the site Mesas do Castelinho (Almodôvar, Portugal), site directed by Carlos Fabião and Amílcar Guerra.
- 1999: Roman necropolis of Monte Novo do Castelinho ((Almodôvar, Portugal), site directed by Teresa Laço, Ana Cristina Pereira and Samuel Melro.
- 1999 - 2000: Laboratorial work with the materials from the iron and roman levels of the site of Mesas do Castelinho (Almodôvar, Portugal), under the orientation of. Carlos Fabião and Amílcar Guerra
- 1999: Laboratorial work with the materials from the Iron Age levels from the urban area of Santarém (Palcas project), under the orientation of Ana Margarida Arruda.

#### MEDIEVAL / MODERN

- 2004: Laboratorial work and inventory of the Medieval and Modern materials from the Av. Miguel Fernandes (Beja, Portugal), site directed by Andrea Martins.
- 2004: Laboratorial work and inventory of the Modern assemblages from the site Serpa Pinto 65 (Vila Franca de Xira, Portugal), site directed by Adelaide Pinto.
- 2004: Archaeological excavations in the Islamic and Christian cemetery of the Largo Cândido dos Reis (Santarém, Portugal), directed by António Matias
- 2003: Archaeological excavations in the Islamic and Modern levels of the Praça Diogo Fernandes, city of Beja (Portugal), directed by Adelaide Pinto.
- 2003: Archaeological excavations in the Modern necropolis of Ermida de Santo André, city of Beja, directed by Ana Filipa Rodrigues and Nathalie Ferreira.
- 2003: Archaeological excavations in the Praça Diogo Fernandes, city of Beja, directed by Teresa Costa.

### **Reviewer for Granting Institutions & Academic Journals**

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- National Science Foundation (USA) (1)
- Leakey Foundation (2)
- Nature Ecology & Evolution (1)
- Journal of Human Evolution (5)
- Journal of Archaeological Science (3)
- Journal of Archaeological Science: Reports (1)
- Geoarchaeology (3)
- Archaeological and Anthropological Sciences (2)
- Journal of Archaeological Method and Theory (1)
- Journal of Paleolithic Archaeology (2)
- Reviewer academic thesis from University of Auckland (New Zealand) (1)

### **Membership in Scientific Societies**

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- UISPP Pyroarchaeology Commission
- Society for American Archaeology (SAA)

European Society for the Study of Human Evolution (ESHE)  
European Association of Archaeologists (EAA)

## Languages

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Portuguese: Native fluency, spoken and written.  
English: Fluent speaking, reading and writing.  
French: Functional speaking and good reading skills.  
Spanish: Functional speaking and good reading skills  
German: Restaurant ordering skills

## Public Outreach & Profiles of Research in the Media

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- 2017 – Outreach public conference cycle of Arqueologia às 6 - *Os primórdios da nossa espécie: a importância de Marrocos e do Norte de África na evolução e dispersão dos Homo Sapiens*, organized by ICArEHB, 10 de Novembro, Faro.
- 2015 – Open conference - *Revisiting the Debate over Neandertal Burial*, D. Sandgathe and V. Aldeias, Associação dos Arqueólogos Portugueses, 23 de Outubro 2015, Lisbon.
- 2015 – Open conference - *Could European Neandertals make fire?* H. L. Dibble and V. Aldeias, Associação dos Arqueólogos Portugueses, 23 de Outubro 2015, Lisbon.
- 2011 – Participation in the National Geographic Society Television documentary entitled *'The World's First Child'*, aired in 2011.