

Rui Sá Curriculum Vitae

Personal Information

Name: Rui Miguel Moutinho Sá

Nationality: Portuguese

Date of Birth: 12/07/1979

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URL: <http://cardiff.academia.edu/RuiSá>



Present Position

Since 2012, collaborative researcher in the Centre for Research in Anthropology (CRIA), Portugal.

Research Interests

Biodiversity Conservation, Sustainability, Parasitology, Conservation Genetics, Phylogeography, Epidemiology, Emerging and Neglected Infectious Diseases, Ethnobiology, Ethnoecology, Ethnography, Ethnoveterinary, Climate Change, Human-Nature-Wildlife Interface, Multispecies Anthropology, West African Studies

Education and Qualifications

2012- 2014 **Postdoctoral Research Fellow** at the Department of Morphological Pathology and Parasitology of the Faculty of Veterinary Medicine, University of Veterinary and Pharmaceutical Sciences, Brno, Czech Republic, where I helped to establish European Reference Laboratory: HPI-LAB- Laboratory for Infectious Diseases Common to Human and (non human) Primates.

2008- 2013 **Ph.D. in Biological Anthropology and Ethnoecology**, Social and Human Sciences Faculty, Universidade Nova of Lisbon. **Doctor Europaeus Award**.

Thesis: Phylogeography, Conservation Genetics and Parasitology of chimpanzees (*Pan troglodytes verus*) in Guinea-Bissau, West Africa.

2005-2007 **M.Sc. in Human Evolution and Human Biology**, Department of Anthropology, Coimbra University, Portugal.

Thesis: Molecular Primatology- Contribution to the conservation of a group of chimpanzees (*Pan troglodytes verus*) from Guinea-Bissau. mtDNA diversity, molecular sexing and forensic applications.

1998-2003 **B.Sc. in Anthropology**, Social and Political Sciences Institute, Technical University of Lisbon, Portugal.

Thesis: Anthropogenetics and Bioethics. An anthropological perspective about the Human Genome Project in intercultural contexts, Portugal and Spain, about the disinformation of college students.

Previous Work Activities

2011-2011 Biodiversity consultancies at Rio-Tinto, Simandou, Republic of Guinea

2008-2012- PhD Grantee from the Portuguese Science Foundation

2007-2008- Clerk at Luxottica

2002-2003- Research Coordinator of the Centre for Students in Anthropology (NANT) at ISCSP/UTL

2001-2002- Customer manager at CLIX Novis, Sonae Group

1999-2000- Trainee at European Parliament, Representation in Portugal

1997-1998- Clerk at Auto Viriato

Teaching Experience

Demonstrator:

2009-2011 Parasitology, Cardiff School of Biosciences, Cardiff University, UK

2009-2011 Behavioral Genetics, Cardiff School of Biosciences, Cardiff University, UK

2009-2010 Human Genetics, Cardiff School of Biosciences, Cardiff University, UK

Grants and Research Projects

5. Local perceptions of climate change at the intersection of livelihoods and conservation: an integrated Photovoice study in Cantanhez National Park, southern Guinea-Bissau. EXPL/IVC-ANT/1709/2012. [Researcher].

4. Development team and scientific laboratory for infectious diseases common to humans and great apes, Czech Grant Agency CZ.1.07/2.3.00/20.0300 [Junior Researcher].

3. Applied landscape genetics to chimpanzee conservation in Guinea-Bissau. United States Fisheries and Wildlife Service. Great Ape Fund, GA 0678. [Researcher].

2. Guinea-Bissau endangered chimpanzee conservation genetics: Biological Anthropology contribution to biodiversity conservation. PTDC/CS/ANT/099184/2008. [Researcher].

1. Genetic characterization of a group of chimpanzees (*Pan troglodytes verus*) from the coastal region of Guinea-Bissau. Portuguese Science and Technology Foundation. SFRH/BD/35797/2007 [Researcher].

Student Supervision

6. Sara Pateira, MSc em Biologia Humana e Ambiente. 2013. "Genotipagem de alelos referentes à Malária em indivíduos da Guiné Bissau". Faculdade de Ciências da Universidade de Lisboa. [Finished].

5. Zuzana Tehlářová, MSc in Veterinary Medicine. 2012. "Are the communities of parasites of agile mangabeys (*Cercocebus agilis*) in Bai-Hokou (Central African Republic) sex-biased? University of Veterinary and Pharmaceutical Sciences, Brno, Czech Republic. [On going].

4. Katarína Juhásová. MSc in Veterinary Medicine. 2012. "Baboon gastrointestinal parasites in Czech Zoos." Veterinary and Pharmaceutical Sciences University, Brno, Czech Republic. [On going].

3. Arthur Sniegón, BSc in Biology. 2012. "Effects of habitat fragmentation in primate populations". Charles University,

Prague, Czech Republic. [Finished]

2. Nia Thomas, BSc in Zoology. 2011. "Mitochondrial DNA variation of the lesser spot nosed guenon (*Cercopithecus petaurista*) from Canhabaque Island, Bijagos Archipelago, West Africa." Cardiff University, Cardiff, Wales. UK. [Finished]

1. James Gilpin, BSc in Zoology. 2010. "Molecular sexing of dippers (*Cinclus cinclus*)". Cardiff University, Cardiff, Wales. UK. [Finished]

Publications

11. **Sá, R. M.**; Minhos, T.; Ferreira da Silva, M.; Sousa, C.; Bruford, M. W. 2014. Applied landscape genetics for chimpanzee conservation in Guinea-Bissau. Final Report. Great Apes Fund. United States Fish and Wildlife Service, Cardiff, UK.[Research report].

10. **Sá, R.M.** & Petrželková, K. 2013. A book review of Mittermeier R.A., Rylands A.B. & Wilson D.E.: Handbook of the mammals of the world – vol. 3, Primates. Lynx, Barcelona, 2013, 951 p. ISBN: 978-84-96553-89-7. *Folia Zoologica* 62(3): 244-245.

9. Minhós, T*.; Wallace, E.; Ferreira da Silva M.*; **Sá, R. M.***; Carmo, M.; Barata, A.; and Bruford M. 2013. DNA identification of primate bushmeat from urban markets in Guinea-Bissau and its implications for conservation. *Biological Conservation*, 167: 43-49. <http://dx.doi.org/10.1016/j.biocon.2013.07.018>. * First co-authors.

8. **Sá, R. M.**; Petrasova, J.; Pomajbíková, K.; Profousova, I.; Petrzelkova, K.; Cable, J.; Sousa, C.; Bruford, M.W. and Modry, D. 2013. Gastrointestinal Symbionts of Chimpanzees in Cantanhez National park, with respect to habitat fragmentation. *American Journal of Primatology*, 75: 1032-1041. DOI: 10.1002/ajp.22170

7. da Silva, M. J.*, Minhos, T.*, **Sa, R. M.*** & Bruford, M. W. 2012. Using Genetics as a Tool in Primate Conservation. *Nature Education* 3 (6):10. * First co-authors.

6. **Sá, R. M.** 2012. Defining the Human and Legal Subjecthood. A review of Defining Human: Species, Sanity, and Legal Subjecthood, by Kris Weller. Dissertation Reviews. <http://dissertationreviews.org/archives/1779>.

5. Minhós T.; Nixon, E.; Sousa, C.; Vicente, L.M.; Ferreira da Silva, M.; **Sá, R.M.**; and Bruford, M.W. 2013. Genetic evidence for contrasting patterns of recent and historic dispersal in two sympatric African Colobine monkeys. *American Journal of Physical Anthropology*, 150: 464-474. DOI: 10.1002/ajpa.22223

4. **Sá, R. M.**, Ferreira da Silva, M.; Sousa, F.; and Minhos, T. 2012. The trade and ethnobiological use of chimpanzee body parts in Guinea-Bissau: Implications for Conservation. *Traffic Bulletin* 24 (1): 31-34.

3. Pomajbíková, K.; Petrzelková, K.; Petrášová, J.; Profousová, I.; Kalousová, B.; Jirku, M.; **Sá, R. M.**; & Modry, D. 2012. Distribution of the Entodiniomorphid ciliate *Troglocorys cava* Tokiwa, Modry, Pomajbíková, Petrzelková and Imai 2010, (Entodiniomorphida:Blepharocorythidae) in wild and captive chimpanzees. *The Journal of Eucaryotic Microbiology*: 59:97-99. DOI: 10.1111/j.1550-7408.2011.00586.x.

2. **Sá, R. M.** 2005. Guia Turístico de Travanca de Bodiosa 2005-2006, Ed. TipoCuria. [Book].

1. **Sá, R.M.** 2002. Human Genome Project! What perspectives? *Antropologando* 2 (1) 7-16.

Manuscripts in press:

1. da Silva, M. J.*, Minhos, T.*, **Sa, R. M.** & Bruford, M. W. 2014. Assessing the impact of hunting pressure on population structure of Guinea baboons (*Papio papio*) in Guinea-Bissau. *Conservation Genetics* [In Press].

2. **Sá, R.M.** 2014. Primates as vectors for zoonoses: a review. *Cadernos do GEEvH* 3 (1) [In Press].

3. **Sá, R.M.** 2014. The ecological challenges in Guinea-Bissau. A state of the art. Newsletter da Rede de Estudos Ambientais dos Países de Língua Portuguesa. 11. [In Press].

Manuscripts under review:

2. **Sá, R.M.**; Marra, A.; Koops, K.; Minhos, T.; Ferreira da Silva, M.; Van Schijndel, J.; Sousa, C.; & Bruford, M.W. 2014. Inferring the Evolutionary History of a peripheral and endangered ape population: the chimpanzees from Guinea-Bissau. PLOS ONE [Under review].

1. Flahoua, B.; Modrý, D.; Pomajbíková, K.; Petrželková, K.; Smeta, A.; Ducatelle R.; Pasmans, F.; **Sá R. M.**; and Haesebrouck F. 2014. Detection of a putative novel gastric *Helicobacter* sp. as well as enterohepatic *Helicobacter* spp. in wild and rescued chimpanzees (*Pan troglodytes*) and western gorillas (*Gorilla gorilla*) Veterinary Medicine [Under review].

Manuscripts in preparation:

4. **Sá, R.M.** & Modry, D. A reflexive ethnography of the cultural conceptions of contagion among the Nalu and Bijago from Guinea-Bissau. American Ethnologist. [In prep.].

3. **Sá, R.M.** Petrásová, J. Petrželková, K. & Modry, D. Genetic variation of *Trichuris* spp. recovered from colobines living in sympatry in Guinea-Bissau. PLOS Neglected Tropical Diseases. [In prep.].

2. **Sá, R.M.**; Thomas, N.; Ferreira da Silva, M.; Minhos, T.; Roque de Pinho, J.; Schwarz, C.; & Bruford, M. W. Mitochondrial DNA variation of the lesser spot nosed guenon (*Cercopithecus petaurista*) from Canhabaque Island, Bijagos Archipelago, West Africa. Journal of Ethnobiology and Ethnomedicine. [In prep.].

1. **Sá, R.M.**; Hoffmanová, L.; Ferreira da Silva, M.; Minhos, T.; & Modry, D. Prevalence and parasite richness of five primates species living in sympatry in Cantanhez National Park, Guinea-Bissau. Journal of Parasitology. [In prep.].

Invited Communications

9. Sá, R. M. 2013. Perspectives of population genetics for primate survival in Guinea-Bissau: progress and prospects. I Bioanthropological Meeting. Coimbra. Coimbra University, Portugal.

8. Sá, R. M. 2013. Genética de Conservação e Parasitologia dos chimpanzés na Guiné-Bissau. Seminário no Instituto da Biodiversidade e Áreas Protegidas. Bissau, Guiné-Bissau.

7. Sá, R. M. 2012. Genetic Characterization of chimpanzees in Guinea-Bissau. 10 years of the Chimbo Foundation. World Wildlife Fund. Zeist. Netherlands.

6. Sá, R. 2011. mtDNA variation and patterns of parasitism in the chimpanzees of Guinea-Bissau. Implications for their conservation. Leverhulme Centre for Human Evolutionary Research, Cambridge University, Cambridge, UK 25th February.

5. Sá, R. 2011. Using genetic techniques to identify species in the bushmeat trade, UK bushmeat working group, Zoological Society of London, London, UK, 20th January.

4. Sá, R. 2010. "Conserving the chimpanzees of Guinea-Bissau using non-invasive genetics". ISCSP Technical University of Lisbon, Lisbon, Portugal.

3. Sá, R. 2010. Conserving the chimpanzees of Guinea-Bissau: a phylogeographic and parasitological approach. Veterinary and Pharmaceutical Sciences University, Brno, Czech Republic.

2. Sá, R. 2009. The chimpanzees of Guinea-Bissau. Department of Parasitology- University of Veterinary and Pharmaceutical Sciences. Brno, Czech Republic.

1. Sá, R. 2008 “Genetics in Primatology – the contribute of Molecular Primatology: Antecedents and Progresses”, Nature and Conservation seminar belonging to the MSc in Anthropology, Faculdade de Ciências Sociais e Humanas, Universidade Nova de Lisboa.

Oral Communications

12. Sá, R., Petrasova, J. and Modry, D. 2013. Genetic variation of *Trichuris* spp. Recovered from colobines living in sympatry in Guinea-Bissau. Pension Hradisko, Roznov pod Radhostem, Czech Republic. 14th-17th November.

11. Sá, R., Pomajbíková K., Petrželková K., and Modrý D. 2012. Mitochondrial genetic diversity, structure and gastrointestinal symbionts of chimpanzees (*Pan troglodytes verus*) in Guinea-Bissau. Panel: “Multiple perspectives on Health and the Environment”. 111th American Anthropological Association Annual Meeting. 13th-18th November 2012. San Francisco, USA.

10. Sá, R., Sousa, C. & Bruford, M. Mitochondrial genetic variation of chimpanzees in Cantanhez Woodland National Park, Guinea-Bissau. VI Congress of the European Federation for Primatology; IIIrd Iberian Primatological Congress, Almada, Portugal, 14-17 September 2011.

9. Sá, R. mtDNA variation and patterns of parasitism in the chimpanzees of Guinea-Bissau. Implications for their conservation. Leverhulme Centre for Human Evolutionary Research, Cambridge University, Cambridge, UK 25th February 2011

8. Sá, R. Using genetic techniques to identify species in the bushmeat trade, UK bushmeat working group, Zoological Society of London, London, UK, 20th January 2011

7. Sá, R. 2010. “Conserving the chimpanzees of Guinea-Bissau using non-invasive genetics”. ISCSP Technical University of Lisbon, Lisbon, Portugal.

6. Sá, R. 2010. “Conserving the chimpanzees of Guinea-Bissau: a phylogeographic and parasitological approach”. Veterinary and Pharmaceutical Sciences, Brno University, Czech Republic.

5. Sá, R. “Parasite prevalence and richness on the chimpanzees in Cantanhez National Park, Guinea-Bissau.” II Iberian Primatological Conference. Madrid, Spain.

4. Sá, R. 2009. “The chimpanzees of Guinea-Bissau”. Department of Parasitology- University of Veterinary and Pharmaceutical Sciences. Brno, Czech Republic.

3. Sá, R. 2008 “Genetics in Primatology – the contribute of Molecular Primatology: Antecedents and Progresses”, Nature and Conservation seminar belonging to the MSc in Anthropology, Faculdade de Ciências Sociais e Humanas, Universidade Nova de Lisboa.

2. Sá, R. 2008. “Contact and conflict between human and non-humans, the case of chimpanzees”. The importance of guards and eco-guides of the Cantanhez National Park in the production of scientific work. Workshop. Iemberém. IBAP.

1. Sá, R. 2008. “Collection techniques of non-invasive samples”. The importance of guards and eco-guides of the Cantanhez National Park in the production of scientific work. Workshop. Iemberém. IBAP.

Posters in Conferences

11. Sá, R. and Modry, D. 2014. Molecular insight into the diversity of neglected whipworms (*Trichuris* spp.) from

primates living in sympatry in Guinea-Bissau, West Africa. III Seminário Internacional de Ciências do Ambiente e Sustentabilidade na Amazônia and XVI Encontro da Rede de Estudos Ambientais de Países de Língua Portuguesa. Manaus, Brazil- 5-10 May.

10. Thomas, N.; Sá, R.; Ferreira da Silva, M.; Minhos, T.; & Bruford, M. Mitochondrial DNA variation of the lesser spot nosed guenon (*Cercopithecus petaurista*) from Canhabaque Island, Bijagos Archipelago, West Africa. VI Congress of the European Federation for Primatology; IIIrd Iberian Primatological Congress, Almada, Portugal, 14-17 September 2011 [Winner best poster presentation].

9. Sá, R.; Sousa, C.; & Bruford, M. Mitochondrial genetic diversity and structure of chimpanzees in Guinea-Bissau, West Africa. US-Gabon workshop 2011: Evolution and conservation of Central African biological diversity: new approaches and avenues for international collaboration. Université des Sciences et Techniques de Masuku, Franceville, Gabon, 21-28 May 2011.

8. Wallace, E.; Ferreira da Silva, M.; Minhos, T.; Sá, R. & Bruford, M. Molecular identification of primate bushmeat sold in Guinea-Bissau. VI Congress of the European Federation for Primatology; IIIrd Iberian Primatological Congress, Almada, Portugal, 14-17 September 2011.

7. Ferreira da Silva, M.; Sá, R.; Minhós, T.; Sousa, F.; Godinho, R.; Vicente, L.; Sousa, C.; Casanova, C.; & Bruford, M. 2009. Evidence of non-human primate skin commerce for traditional practices in Guinea-Bissau (West-Africa). II Iberian Primatological Conference. Madrid. Spain 30 Sep-2Oct.

6. Sá, R., Sousa, C. and Bruford, M. W. 2009. "Conservation Genetics and Phylogeography of Chimpanzees in Guinea-Bissau." III European Federation for Primatology Congress. Zurich, Switzerland.

5. Sá, R., Sousa, C. Bruford, M. (2009) Conserving the chimpanzees of Guinea-Bissau. BEPG meeting. Cardiff University.

4. Sá, R., Bruford, M., Sousa, C., Casanova, C. (2008) Genetic characterization of a chimpanzee community (*Pan troglodytes verus*) from Guinea-Bissau. Biodiversity and Ecological Processes Group Symposium. National Museum of Cardiff. Cardiff.

3. Sá, R. & Carvalho, C. (2006) The Chim Genom. What Ethical Implications? I International Conference in Conservation and Animal Welfare, Lisbon.

2. Sá, R. (2006). A Sequenciação do genoma do chimpanzé (*Pan troglodytes*). Afinidades e diferença. III Congresso da Associação Portuguesa de Antropologia, Lisboa.

1. Sá, R. M. (2004) Anthropogenetics and Bioethics. XXI Portuguese Genetics Congress. ITQB. Portuguese Genetics Society publications, pp.45.

Media Coverage

5. Primatas da Guiné-Bissau vendidos ilegalmente para consumo humano, Aug. 2013.
<http://www.rtp.pt/noticias/index.php?article=674811&tm=7&layout=122&visual=61>

4. New weapon to thwart 'bushmeat' trade, Aug. 2013- <http://www.cardiff.ac.uk/news/articles/new-weapon-to-thwart-bushmeat-trade-11686.html>

3. DNA enters the fight against illegal hunting of primates, Aug. 2013- <http://theconversation.com/dna-enters-the-fight-against-illegal-hunting-of-primates-17086>

2. Primatas na Guiné-Bissau: A difícil convivência, May 2013-
<http://www.rtp.pt/icmblogs/rtp/cientificamente/?k=Primatas-na--Guine-Bissau---a-dificil-convivencia.rtp&post=44641>

1. Biólogos portugueses publicam em site da Nature, 2012. http://boasnoticias.sapo.pt/noticias_Biólogos-portugueses-publicam-em-site-da-Nature_11820.html

Workshops and Complementary Training

2014 Speaking in Public Workshop. Veterinary and Pharmaceutical Sciences, Brno, Czech Republic. 40 hours.

2013 Biostatistics and Computational Biology Workshop. Mazaryk University, Brno Czech Republic. 40 hours.

2011 Ecology and landscape genetics. University of Lisbon, Sciences Faculty. Lisbon, Portugal. 40 hours.

2010 Documentary Photography. CHAPTER-Ffotogalery. Cardiff. Wales. UK. 40 hours.

2009 Primate parasitological screenings. Veterinary and Pharmaceutical Sciences University. Brno. Czech Republic. 15 hours.

2007 Microsatellite analyses. Hygiene and Tropical Medicine Institute. New University of Lisbon. Lisbon. Portugal. 24 hours.

2006 Professional Capacitation for Public Transportation, logistics and management. Direcção Geral dos Transportes Terrestres e Fluviais. 176 hours.

2005-2006 Management for Small Businesses. Avalforma 182 hours.

2005 Flora and Mediterranean Vegetation. University of Lisbon. 52 hours.

2005 One day in Forensic Anthropology. Instituto de Medicina Legal, Coimbra, Portugal. 8 hours.

2002 Genetics and Bioethics. Complutense University of Madrid. 40 hours.

2002 Forensic Anthropology Seminar. Instituto de Medicina Legal, Coimbra, Portugal. 16 hours.

1994 Conservation of the Eurasian Eagle-Owl (*Bubo bubo*). Quercus. 104 hours.

Languages

1. Portuguese- Mother Language
2. English- Proficiency
3. French- Very Good
4. Spanish- Very Good
5. Guinean Bissau and Cape Vert Creole- Very Good
6. Bijago- Reasonable
7. Czech- Low

IT Skills

Windows, Mac OS X, Linux operating systems

Microsoft Office

R

SPSS

N'Vivo

Sequencher,

DNASP, Arlequin, Network, GenePOP, Barrier, Geneland, Mr.Bayes, PAUP, and several specific population genetics and bioinformatic softwares.

Laboratory Skills

DNA Extraction (Regular and Forensics)

PCR

Electrophoresis

Sanger Sequencing

Regular Microscopy

Classic Parasitological Methods (i.e. Direct Smears, Sedimentation, Flotation, McMaster, etc.)

Visitor Activities

2008-2012 Cardiff School of Biosciences, Cardiff University, Cardiff, UK

2010 Department of Parasitology- University of Veterinary and Pharmaceutical Sciences-Brno, Czech Republic

2009 Department of Parasitology- University of Veterinary and Pharmaceutical Sciences-Brno, Czech Republic

2002-2003 Erasmus at Complutense University of Madrid, Spain.

Collaborations

CIAS- Research Centre for Anthropology and Health, Coimbra University, Portugal- <http://www.uc.pt/en/cia>

CRIPES- Cardiff Research into Infection, Parasites and Ecological Systems- <http://cripescardiff.co.uk/people/>

REALP- Environmental Research Network of Portuguese Speaking Countries- <http://www.reaplp.uevora.pt>

OnE-Organisms and Environment, Wales, UK

<http://www.cardiff.ac.uk/biosi/research/organismsandenvironment/index.html>

CRIA- Centre for Research in Anthropology, Portugal- <http://www.cria.org.pt/>

UK Bushmeat Working Group, ZSL- <http://www.zsl.org/conservation/regions/africa/bushmeat/the-bushmeat-working-group,547,AR.html>

GEEvH- Human Evolution Studies Group, Portugal- <http://www.geevh.org/>

APP- Portuguese Primatological Society, Portugal- <http://www.apprimatologia.org/>

VFU- Veterinary and Pharmaceutical Sciences University- www.vfu.cz

Peer Review Activities

2014- Today Checklist Journal- **Assistant Editor**- (http://www.checklist.org.br/editorial_board)

2013-Today- American Journal of Primatology,

2014 International Journal of Ecology and Ecosolution.

2013 African Journal of Biotechnology,

2013 Dissertation Reviews,

2013 Herald Journal of Education and General Studies,

Member of Scientific Societies

AAA- American Anthropological Association

SMA- Society for Medical Anthropology

BAS- Biological Anthropology Section

EAS- Evolutionary Anthropology Society

SCA- Society for Cultural Anthropology

SOYVZ- Post-Comunist Cultural Studies Internet Group

AFA- Association for Feminist Anthropology

AQA- Association for Queer Anthropology

IGNN- Interest Group on NGO's and nonprofit organizations

ATIG- Anthropology of Tourism interest group

AAPA- American Association of Physical Anthropology

APP- Portuguese Primatological Society [Founding Member, Present Position- Supervisory Board Member]

Hobbies

Sports (Cycling, running, hiking, trekking, slackline)

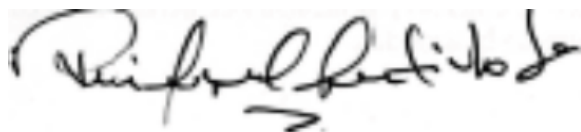
Yoga and vegetarian cuisine.

Reading, listening music, cinema, theatre

Contemporary Art

Traveling

Brno, 30th May 2014

A handwritten signature in black ink, appearing to read 'Rui Moutinho Sá', with a stylized, cursive script.

(Rui Moutinho Sá)