**My Scientific Publications**

I) Articles as first authour and producer of the main work

Sousa JD (2002) Are Genes for Fetal Overexploitation Outlaws? *Journal of Theoretical Biology* 219(4): 553–554. DOI:10.1006/jtbi.2002.3143. PMID: 12425985.

<http://www.sciencedirect.com/science/article/pii/S0022519302931437>.

(published on December 21, 2002)

(previous DOI was 10.1006/yjtbi.2002.3143)

Sousa JD (2006) How Very Diverse Minds Climbed the Same Adaptive Peaks (Book Review of "A Reason for Everything: Natural Selection and the English Imagination", from Marek Kohn). *BioEssays* 28(6): 679–680. DOI: 10.1002/bies.20425.

<http://onlinelibrary.wiley.com/doi/10.1002/bies.20425/abstract>. (published on June 1, 2006)  
  
Sousa JD (2009) Pandemic HIV-1: Its Old Origin and Overlooked Mysteries. *AIDS Reviews* 11: 52. <http://www.aidsreviews.com/n.asp?any=2009&vol=11&num=1>. (published on the January-March 2009 issue, in Hot News)  
  
Sousa JD, Müller V, Lemey P, Vandamme AM (2010) High GUD Incidence in the Early 20th Century Created a Particularly Permissive Time Window for the Origin and Initial Spread of Epidemic HIV Strains. *PLoS ONE* 5(4): e9936. DOI:10.1371/journal.pone.0009936. PMID: 20376191.

<http://www.plosone.org/article/info:doi/10.1371/journal.pone.0009936>. (published on April 1, 2010)

Sousa JD, Müller V, Vandamme A-M (2012) Comment on "Ingredients of a Perfect Storm". *Science*, Comment on Piot P (2011) *Science* 334(6063): 1642–1643. <http://comments.sciencemag.org/content/334/6063/1642>. (published on January 10, 2012)

Sousa JD, Müller V, Vandamme A-M (2012) Parameters of initial heterosexual transmission of HIV-1 in Leopoldville/Kinshasa. *Sexually Transmitted Infections*, E-Letter, Reply to Pépin J (2012) *Sexually Transmitted Infections* 88(4): 307–312.

[http://sti.bmj.com/content/early/2012/02/08/sextrans-2011-050277.short/reply#sextrans\_el\_1323](http://sti.bmj.com/content/early/2012/02/08/sextrans-2011-050277.short/reply%23sextrans_el_1323). (published on April 10, 2012)

Sousa JD, Alvarez C, Vandamme A-M, Müller V (2012) Enhanced Heterosexual Transmission Hypothesis for the Origin of Pandemic HIV-1. Viruses 4(10): 1950–1983. DOI:[10.3390/v4101950](http://dx.doi.org/10.3390/v4101950). PMID: 23202448. <http://www.mdpi.com/1999-4915/4/10/1950>. (published on October 3, 2012)

Sousa JD, Temudo MP, Hewlett BS, Camacho RJ, Müller VM, Vandamme A-M (2016) Male Circumcision and the Epidemic Emergence of HIV-2 in West Africa. *PLoS ONE* 11(12): e0166805. DOI: 10.1371/journal.pone.0166805. PMID: 27926927.

<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0166805>. (published on December 7, 2016)

II) Articles in which I'm not the first authour

Faria NR, Suchard MA, Abecasis A, Sousa JD, Ndembi N, Bonfim I, Camacho RJ, Vandamme A-M, Lemey P (2012) Phylodynamics of the HIV-1 CRF02\_AG clade in Cameroon. *Infection Genetics and Evolution* 12(2): 453–460. [DOI:10.1016/j.meegid.2011.04.028](http://dx.doi.org/10.1016/j.meegid.2011.04.028). PMID: 21565285.

<http://www.sciencedirect.com/science/article/pii/S1567134811001341>.

(available online on May 4, 2011, and published on print in March 1, 2012)

Faria NR, Hodges-Mameletzis I, Silva JC, Rodés B, Erasmus S, Paolucci S, Ruelle J, Pieniazek D, Taveira N, Treviño A, Gonçalves MF, Jallow S, Xu L, Camacho RJ, Soriano V, Goubau P, Sousa JD, Vandamme A-M, Suchard MA, Lemey P (2012) Phylogeographical footprint of colonial history in the global dispersal of human immunodeficiency virus type 2 group A. *Journal of General Virology* 93(Pt 4): 889–899. DOI: 10.1099/vir.0.038638-0. PMID: 22190015. <http://vir.sgmjournals.org/content/93/Pt_4/889.full>. (published online ahead of print on December 21, 2011, and in print in April 1, 2012)

Apari P, Sousa JD, Müller V (2014) Why Sexually Transmitted Infections Tend to Cause Infertility: An Evolutionary Hypothesis. *PLoS Pathogens* 10(8): e1004111. DOI:10.1371/journal.ppat.1004111. PMID: 25101790. <http://www.plospathogens.org/article/info%3Adoi%2F10.1371%2Fjournal.ppat.1004111>. (published on August 7, 2014)

Faria NR, Rambaut A, Suchard MA, Baele G, Bedford T, Ward MJ, Tatem AJ, Sousa JD, Arinaminpathy N, Pépin J, Posada D, Peeters M, Pybus OG, Lemey P (2014) Establishment and early spread of the AIDS pandemic. Conference Abstract of International Workshop on Antiviral Drug Resistance, Berlin, Germany, June 3–7, 2014. Abstract P5. *Antiviral Therapy* 19(Suppl 1): A7.

<https://www.intmedpress.com/index.cfm?iPageNumber=9&bSubmitted=1&pID=88&iJournalVolumeID=74>.

[Faria](http://www.sciencemag.org/search?author1=Nuno+R.+Faria&sortspec=date&submit=Submit) NR, Rambaut A, [Suchard](http://www.sciencemag.org/search?author1=Marc+A.+Suchard&sortspec=date&submit=Submit) MA, [Baele](http://www.sciencemag.org/search?author1=Guy+Baele&sortspec=date&submit=Submit) G, [Bedford](http://www.sciencemag.org/search?author1=Trevor+Bedford&sortspec=date&submit=Submit) T, Ward MJ, Tatem AJ, [Sousa](http://www.sciencemag.org/search?author1=Jo%C3%A3o+D.+Sousa&sortspec=date&submit=Submit) JD, [Arinaminpathy](http://www.sciencemag.org/search?author1=Nimalan+Arinaminpathy&sortspec=date&submit=Submit) N, [Pépin](http://www.sciencemag.org/search?author1=Jacques+P%C3%A9pin&sortspec=date&submit=Submit) J, [Posada](http://www.sciencemag.org/search?author1=David+Posada&sortspec=date&submit=Submit) D, [Peeters](http://www.sciencemag.org/search?author1=Martine+Peeters&sortspec=date&submit=Submit) M, [Pybus](http://www.sciencemag.org/search?author1=Oliver+G.+Pybus&sortspec=date&submit=Submit) OG, [Lemey](http://www.sciencemag.org/search?author1=Philippe+Lemey&sortspec=date&submit=Submit) P (2014) The early spread and epidemic ignition of HIV-1 in human populations. *Science* 346(6205): 56–61. DOI: 10.1126/science.1256739. PMID: 25278604.

<http://www.sciencemag.org/content/346/6205/56.abstract>. (published on October 3, 2014)

Pineda-Peña AC, Varanda J, Sousa JD, Theys K, Bártolo I, Leitner T, Taveira N, Vandamme AM, Abecasis AB (2016) On the contribution of Angola to the initial spread of HIV-1. *Infection, Genetics, and Evolution* 46: 219–222. DOI: 10.1016/j.meegid.2016.08.009. PMID: 27521160. <http://dx.doi.org/10.1016/j.meegid.2016.08.009>. (published online on August 10, 2016)

III) Oral Communications in Conferences and Symposia

Sousa JD (2002) Are Genes for Fetal Over-exploitation Outlaws? Presentation given in IV Congresso Nacional de Etologia. Instituto Superior de Psicologia Aplicada, Lisboa, Portugal, 3–4, 2002 (presentation given in October 3).

Müller V, Sousa JD, Lemey P, Vandamme A-M (2009) Simulating the origin of HIV-1 group M in Kinshasa: why did the epidemic emerge when it did? 2nd Central European Forum for Microbiology. Keszthely, Hungary, October 7–9, 2009.

Sousa JD (2012) The Origins of the HIV/AIDS Pandemic. Seminar given in the series: Epidemiological Seminars. Instituut vor Tropical Geeneskunde, Antwerpen, Belgium, February 9, 2012.

Sousa JD (2012) New Insights on the Origins of HIV/AIDS. Presentation given in: 35 jaar Medische Ontwikkelingssamenwerking Alumni Geneesheren en Farmaceutische Wetenschappen, Alfagen. UZ Leuven, Leuven, Belgium, May 12, 2012.

Faria NR, Rambaut A, Suchard MA, Baele G, Bedford T, Ward MJ, Tatem AJ, Sousa JD, Arinaminpathy N, Pépin J, Posada D, Peeters M, Pybus OG, Lemey P (2014) Establishment and early spread of the AIDS pandemic. International Workshop on Antiviral Drug Resistance - Meeting the Global Challenge. Berlin, Germany, June 3–7, 2014 (presentation given in June 4).

Sousa JD, Temudo M, Müller V, Vandamme A-M (2015) Correlation between historical lack of male circumcision and the epidemic emergence of HIV-2. 22nd HIV Dynamics and Evolution. Budapest, Hungary, May 13–16, 2015 (presentation given in May 14).

Sousa, JD (2015) The origins and early epidemics of HIV-2 in West Africa: the impact of male circumcision. Presentation given in Global Health and Tropical Medicine series. Instituto de Higiene e Medicina Tropical, Lisboa, Portugal, June 25, 2015.

Sousa, JD, Müller V, Vandamme A-M (2016) Societal changes at the origins of HIV. European OneHealth/EcoHealth Workshop. Brussels, Belgium, October 6–7, 2016 (presentation given in October 6).

Sousa, JD, Müller V, Vandamme A-M (2017) As alterações sociais e a origem do VIH. 4º Congresso Nacional de Medicina Tropical e 1º Encontro Lusófono de Sida, Tuberculose e Doenças Oportunistas. Instituto de Higiene e Medicina Tropical, Lisboa, Portugal, April 19–21, 2017 (presentation given in April 19).

IV) Other Oral Communications

Sousa JD (2006) Where pandemic syphilis and chancroid the sources of pandemic HIV? Presentation given in Instituto Nacional de Saúde Doutor Ricardo Jorge, Lisboa, Portugal, November 24, 2006.

Sousa JD (2008) The origins of HIV – Recognized and overlooked problems, and an attempt to solve them. Presentation given in Laboratory for Clinical and Epidemiological Virology, Katholieke Universiteit Leuven, Leuven, Belgium, April 16, 2008.

Sousa JD (2012) The Origins of HIV/AIDS. Presentation given in: HIV Transmission Symposium. Instituto de Higiene e Medicina Tropical, Lisboa, Portugal, May 8, 2012.

Sousa JD (2012) An individual-based model of sexually transmitted diseases' spread in a stratified population with dynamic sexual links. Presentation given in workshop: Modelling Course in Evolutionary Biology, Eidgnössische Technische Hochschule Zürich (ETHZ), Zürich, Switzerland, June 4–15, 2012 (presentation given in June 15).

Sousa JD (2012) SIV infections in Central African villagers. Presentation given as a “Snoeck Session” (Journal Club) in Laboratory for Clinical and Epidemiological Virology, Katholieke Universiteit Leuven, Leuven, Belgium, October 12, 2012.

Sousa JD (2013) HIV origin and emergence: a quantitative examination of the risk factors. Research Seminar. Rega Institute for Medical Research, Leuven, Belgium, January 23, 2013.

Sousa JD (2013) An individual-based simulation of syphilis and chancroid spread in a stratified population. Presentation given as a “Snoeck Session” (Journal Club) in Laboratory for Clinical and Epidemiological Virology, Katholieke Universiteit Leuven, Leuven, Belgium, May 30, 2013.

Sousa JD (2014) Understanding HIV-1 initial spread. Presentation given in Instituut vor Tropical Geeneskunde, Antwerpen, Belgium, June 10, 2014.

Sousa JD (2015) HIV emergence: existing hypotheses and basis for modelling. Literature Seminar. Rega Institute for Medical Research, Leuven, Belgium, December 4, 2015.

V) Poster Communications

Sousa JD, Lemey P, Vandamme A-M (2007) Promiscuous Sex and Genital Ulcer Diseases Explain the Pandemic Emergence of HIV. 11th European AIDS Conference (EACS), Madrid, Spain, October 24–27, 2007. Poster presentation # P17.5/01.  
  
Sousa JD, Lemey P, Müller V, Vandamme A-M (2009) The Origins of Epidemic HIVs Date to a Unique Window of Opportunity for the Initial Spread of SIV Infections Transmitted to Human Populations. Conference on Retrovirus and Opportunistic Infections (CROI). Montréal, Canada, February 8–11, 2009. Poster presentation # B-139.

Faria NR, Hodges-Mameletzis I, Camacho RJ, Rodés B, Ruelle J, Paolucci S, Cavaco-Silva J, Gonçalves MF, Goubau P, Soriano V, Suchard M, Sousa JD, Vandamme A-M, Lemey P (2009) Uncovering HIV-2 diffusion patterns using Bayesian phylogeographic analysis. 12th European AIDS Conference (EACS). Cologne, Germany, November 11–14, 2009. Poster presentation # PE1.1/2.  
  
Sousa JD, Müller V, Lemey P, Vandamme A-M (2009) The origins of epidemic HIVs by GUD-facilitated heterosexual transmission. Epidemics2 Conference. Athens, Greece, December 2–4, 2009. Poster presentation # P.142.

Sousa JD, Vercauteren J, Müller V, Vandamme A-M (2013). The early epicenters of HIV-2 coincide with areas of low historical levels of male circumcision within West Africa. 14th European AIDS Conference (EACS). Brussels, Belgium, October 16–19, 2013. Poster presentation # PE21/4.

Sousa JD, Vandamme A-M, Müller V (2014). Syphilis and chancroid as novel factors potentially driving HIV emergence. Symposium: From emerging to pandemic viruses: Interplay between host ecology and viral evolution – Conférences Jacques Monod. Centre National de la Recherche Scientifique, Roscoff, France, April 2–6, 2014.

Apari P, Sousa JD, Müller V (2015) Why sexually transmitted infections tend to cause infertility: an evolutionary hypothesis. 15th European Society for Evolutionary Biology Meeting (Eseb2015). Lausanne, Switzerland, August 10–14, 2015. Poster presentation #51988.