

## CURRICULUM VITAE - Daniela Eugenia ROSSO

- Nationality: Italian / Spanish
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## ACADEMIC EMPLOYMENT

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- **Current position**, Post-doctoral research, Université Côte d'Azur - CNRS, CEPAM laboratory (Nice, France), under the supervision of Dr. Martine Regert.
- **2018**, Post-doctoral research at the University of Ferrara (Dipartimento di Studi Umanistici) for the analysis of ochre at Fumane Cave, under the supervision of Prof. Marco Peresani.
- **June 2018**, Research contract at the University of Bordeaux, PACEA laboratory (UMR-CNRS 5199), under the supervision of Prof. Francesco d'Errico.

## EDUCATION

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- **2017**, PhD, Université de Bordeaux / Universidad de Barcelona. Supervisors: Francesco d'Errico (Director of research, CNRS), João Zilhão (ICREA Research Professor), and José María Fullola (Universitat de Barcelona). Research topic: *Physico-chemical and technological analysis of the Middle Stone Age pigments from Porc-Epic Cave (Dire Dawa, Ethiopia)*.
- **2012**, MA Translation Studies (Professional specialization, scientific translation). Universitat Pompeu Fabra, Barcelona, Spain.
- **2011**, MSc (Year 2) Biological Anthropology - Prehistory. Université Bordeaux 1, UMR 5199 PACEA, Préhistoire, Paléoenvironnement, Patrimoine, France. Master's dissertation: The treatment of the Middle Stone Age pigments from Porc-Epic Cave, Dire Dawa, Ethiopia. Supervisors: Francesco d'Errico (Director of research, CNRS) and Renata García Moreno.
- **2010**, MSc (Year 1) Biological Anthropology - Prehistory. Université Bordeaux 1, UMR 5199 PACEA, Préhistoire, Paléoenvironnement, Patrimoine, France
- **2009**, Four year B.A. in History. University of Salamanca, Spain (2008-2009: Erasmus at the Université Pierre-Mendes-France, Grenoble, France).

## FELLOWSHIPS AND GRANTS

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- **2019**, Fyssen Foundation (France) post-doctoral grant.
- **2018**, L'Oréal-Unesco Italy, *For women in science* Fellowship.
- **2014–2017**, FI-DGR fellowship, Generalitat de Catalunya, AGAUR, Universitat de Barcelona.
- **2014**, Dissertation Fieldwork Grant, Wenner-Gren Foundation, US.
- **2013**, Doctoral fellowship from the Fondation Martine Aublet, Musée du Quai Branly France.
- **2012–2013**, Eiffel Excellence scholarship, French Ministry of Foreign Affairs and International Development.

## PUBLICATIONS

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### **Peer-reviewed publications**

- **Rosso D. E.**, d'Errico F., Zilhão J. 2014. Stratigraphic and spatial distribution of ochre and ochre processing tools at Porc-Epic Cave, Dire Dawa, Ethiopia. *Quaternary International* 343, 85–99. Journal impact factor: 2.199.
- **Rosso D. E.**, Pitarch Martí A., d'Errico F. 2016. Middle Stone Age Ochre Processing and Behavioural Complexity in the Horn of Africa: Evidence from Porc-Epic Cave, Dire Dawa, Ethiopia. *PLOS ONE* 11(11), e0164793. Journal impact factor: 2,806.
- **Rosso D. E.**, d'Errico F, Queffelec A. 2017. Patterns of change and continuity in ochre use during the late Middle Stone Age of the Horn of Africa: the Porc-Epic Cave record, *PLOS ONE* 12 (5), e017729. Journal impact factor: 2,806.
- **Rosso D. E.**, 2017. Aproximación etnoarqueológica al uso de las materias colorantes de origen mineral: los Hamar (Etiopía) y el tratamiento del cabello. *Pyrenae* 48 (2), 123–149. Journal impact factor: A (Carhus Plus+).

### **Other publications**

- d'Errico F., **Rosso D.E.** 2016. Origini del pensiero simbolico e della creatività umana. *Contributi del Centro Linceo Interdisciplinare "Beniamino Segre"* 133, 171–206.
- **Rosso, D.E.** 2016. Les premières traces de l'utilisation de l'ocre dans la Corne de l'Afrique. *Annales de la Fondation Martine Aublet* 1, 56–61.
- Queffelec, A., **Rosso D. E.**, d'Errico F., 2018. The use of ochre 40,000 years ago in Africa. Sensofar case study, <https://www.sensofar.com/wp-content/uploads/2018/01/CS-PACEA.pdf>.

## CONFERENCE PRESENTATIONS

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### **Presentations**

- d'Errico, F., Garcia Moreno, R., Henshilwood, C.S., Vanhaeren, M., Rifkin, R.F, Queffelec, A., **Rosso, D.E.** L'utilisation des matières colorantes dans le contexte du débat sur l'origine de la modernité culturelle. Journée Pigments Préhistoriques, ChimArc, Org. Martine Regert, Regismont-le-Haut, France, 2–3 September 2010.
- d'Errico, F., Henshilwood, C.S., Garcia Moreno, R., Rifkin, R.F., Van Niekerk, K., **Rosso, D.E.** The emergence of symbolic material cultures in Africa and Europe. Preliminary results of an ongoing ERC funded interdisciplinary research project. 2èmes Rencontres d'art rupestre, Centre National de Préhistoire, Périgueux, France, 3–4 May 2011.
- **Rosso, D.E.**, d'Errico, F., García Moreno, R. The Middle Stone Age pigments from Porc-Épic Cave, Dire Dawa, Ethiopia. First TRACSYMBOLS workshop, Musée National de Préhistoire, Les Eyzies, France, 15–17 September 2011.
- **Rosso, D.E.**, d'Errico, F., Zilhão, J. Stratigraphic and spatial distribution of colorants and colorant processing tools at Porc-Epic Cave (Dire Dawa, Ethiopia). 18th International Conference of Ethiopian Studies, Dire Dawa, Ethiopia, 29 October–2 November 2012.
- **Rosso, D.E.**, d'Errico, F., Dayet, L., García Moreno, R. Caractérisation physico-chimique des Pigments Middle Stone Age de la Grotte du Porc-Épic (Dire Dawa, Ethiopie). About haematite. Procurement and transformation during recent prehistory. Analytical methods. International Workshop, Jambes, Belgium, 7–8 February 2013.

- **Rosso, D.E.**, Zilhão, J., Pitarch Martí, A., d'Errico, F., Ochre and ochre processing tools from Middle Stone Age levels of Porc-Epic cave (Dire Dawa, Ethiopia). Contextualizing technological change and cultural evolution in the MSA of southern Africa. International workshop, Tübingen, Germany, 8–10 september 2014.
- Queffelec, A., d'Errico, F., Le Vraux E., **Rosso, D.E.** Neox use for prehistoric research. 1st Sensofar User Meeting, Barcelona, Spain, 6 october 2015.
- d'Errico, F., Dayet, L., Pitarch Martí, A., **Rosso, D.E.** The earliest use of pigments in South West France and elsewhere. Journées de restitution Labex Sciences Archéologiques de Bordeaux, Arcachon, France, 12–13 october 2016.
- **Rosso, D. E.**, d'Errico, F., Queffelec, A. La couleur et le savoir-faire : l'utilisation de l'ocre à la Grotte du Porc-Epic, Dire Dawa, Ethiopie. Journées de la Fédération des Sciences Archéologiques de Bordeaux, Pessac, France, 15 may 2018.
- d'Errico, F., Dayet, L., Pitarch, A. **Rosso, D.** PIGMENT - The earliest use of pigment in South West France. Journées de restitution Labex Sciences Archéologiques de Bordeaux, Bordeaux, France, 7–8 november 2018.

### **Poster**

- **Rosso, D.E.** Pitarch Martí, A., Dayet, L., d'Errico, F. Middle Stone Age ochre processing tools from Porc-Epic cave (Dire Dawa, Ethiopia). ESHE meeting, Florence, Italy, 18–20 september 2014.

## **INVOLVEMENT IN RESEARCH PROJECTS**

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- Project “Del Paleolítico medio al superior en la Región de Murcia”, Consejería de Turismo y Cultura de la Región de Murcia, Universidad de Murcia. Principal investigator: Josefina Zapata Crespo (Universidad de Murcia), João Zilhão (ICREA, Universitat de Barcelona).
- Project HAR2011-26193, HAR2014-55131 (El Paleolítico superior y el Epipaleolítico en el NE peninsular: una aproximación socio-económica, cultural y paleoambiental, Ministerio de Ciencia e Innovación, MICINN). Principal investigator: José María Fullola Pericot (Universitat de Barcelona, Spain).
- Project HAR2014-52671-P (Paleolítico medio y superior en la vertiente mediterránea ibérica (Valencia y Murcia), Ministerio de Economía y Competitividad, MICINN. Principal investigator: Valentín Villaverde Bonilla (Universidad de Valencia, Spain).
- TRACSYMBOLS project (European Research Council Advanced Grant, TRACSYMBOLS No. 249587 awarded under the FP7 program), co-directed by C. Henshilwood (Bergen University, Norway) and F. d'Errico (UMR-CNRS 5199 PACEA, Université de Bordeaux)

## **TEACHING**

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### **Qualification**

- **February 2018.** Qualification for a position as an assistant professor (*Maître de Conférences* and *Maître de conférences du Muséum national d'histoire naturelle*) by the French Ministry of Research and Education (*Conseil National des Universités*, section 20, Biological Anthropology, Ethnology and Prehistory. Qualification number : 18220317671.

### ***University of Barcelona (Spain)***

- **September 2014 –January 2015.** Lectures (4,4 hours) and practical work (11 hours). Module: Arte prehistórico (History degree, 4th year, Universitat de Barcelona).
- **17 March–28 April 2016.** Lectures (24 hours) and practical work (5,5 hours). Module: Prehistoria (History degree, 1st year, Universitat de Barcelona).

### ***University of Bordeaux (France)***

- **1–7 March 2013.** Practical work (20 hours). Module: Archéologie de terrain; Sites de référence du Sud-Ouest (Postgraduate, Master 1 Anthropologie Biologique –Préhistoire, Université Bordeaux 1).
- **19 February 2014.** Practical work (4 hours). Module: Histoire de l'art de la Préhistoire: études croisées (Art History degree, 1st year, Université Bordeaux 3).
- **12 November 2014.** Lecture (2 hours) and practical work (4 hours). Module: Anthropologie (Art History degree, 1st year, Université Bordeaux 3).
- **9 March 2016.** Lecture (2 hours). Module: Histoire de l'art de la préhistoire: études croisées (Art History degree, 1st year, Université Bordeaux 3).
- **19 octobre 2017.** Lecture (1,5 hours). Module: International Research Seminars (Postgraduate, Master 2 Biogéosciences, Université de Bordeaux).

### ***University of Côte d'Azur (France)***

- **6 February 2020.** Lecture (5 hours). Module: Approches physico-chimiques des archéomatériaux, PPA07 (Postgraduate, Master 1 *Préhistoire, Paléoenvironnements et Archéosciences*, Université Côte d'Azur, France).

## PROFESSIONAL DEVELOPMENT

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### ***Fieldwork experience (excavations)***

- **2007.** Grotte du Lazaret (France, PI : Prof. De Lumley), team member.
- **2008.** Abri du Peyrazet (France ; PI : Dr. Laroulandie and Dr. Langlais), team member.
- **2009.** Lancia (Spain, PI: Prof. Liz), team member.
- **2010.** Atapuerca, Gran Dolina (Spain, PI: Prof. Carbonell), team member.
- **2012.** Hohle Fels (Germany, PI: Prof. Conard), team member.
- **2012-2013.** Melka Kunture (Ethiopia, PI: Prof. Mussi), team member.
- **2018-2019.** Riparo del Broion (Italy, PI: Dr. Romandini), team member.
- **2019.** Grotta di Fumane (Italy, PI: Prof. Peresani), team member.

### ***Courses***

- **May 2008.** Formative drawing course at the Ancien Prieuré of Domène. Centre du Patrimoine Iserois (Grenoble, France).
- **January–may 2013.** Course on teaching: Formation à l'enseignement par l'enseignement, Université de Bordeaux, Bordeaux.
- **9–14 June 2013.** Course on pigment analysis: Ecole thématique Archéométrie des composés du fer et du manganèse, CNRS, Ile d'Oléron.

### ***Internships and training***

- **January–April 2009.** 60 hours of restoration of archaeological material from the Castro de La Mesa de Miranda (Chamartin de la Sierra, Ávila, Spain), within the Department of Prehistory, Ancient History and Archaeology of the University of Salamanca, under the supervision of Prof. Francisco Javier Gonzalez-Tablas Sastre.

- **1–19 March 2010.** Internship at the Institut National de Recherches Archeologiques Preventives, in the Direction Interregionale du Grand Sud-Ouest (Bègles, France), under the supervision of Luc Detrain, Adjoint scientifique et technique.
- **3 January–12 February 2011.** Internship at the National Museum of Addis Ababa (Ethiopia). Analysis of the pigments from Porc-Épic Cave (Dire Dawa, Etiopía), under the supervision of Francesco d’Errico (Director of research, CNRS) and Renata García Moreno, as part of my Master’s dissertation.
- **March-May 2011.** Internship at the PACEA laboratory (UMR 5199 PACEA, Préhistoire, Paléoenvironnement, Patrimoine, Université Bordeaux 1, France). Analysis of the pigments from Porc-Épic Cave (Dire Dawa, Ethiopia), under the supervision of Francesco d’Errico (Director of research, CNRS) and Renata García Moreno, as part of my Master’s dissertation.
- **15 November 2011–31 March 2012.** Internship at Media 3.14 (Mediapro, television documentary productions) as Spanish-English translator.

### ***Other professional activities***

- **2016,** Invited peer-reviewer for congress proceedings (Raw Materials 2016, Universidade do Algarve).
- **2017,** Invited peer-reviewer for *PLOS ONE*.
- **2017,** Invited peer-reviewer for *PaleoAnthropology*.

## **OUTREACH AND IMPACT ON NON-ACADEMIC AUDIENCES**

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### ***Collaborations, interviews and public lectures***

- **2017-2019,** scientific advisor for mainstream press or websites: *Discover Magazine* (USA), *The Atlantic* (USA), *Archeo* (Italy), *Hominidés.com* (France), *C’est toujours pas sorcier* (France 4 TV).
- **June 2018,** Interview for *Radio 3 Scienza*, "50 sfumature di antico" (Rai, Italy), <https://www.raiplayradio.it/audio/2018/06/RADIO3-SCIENZA-Cinquanta-sfumature-diantico-873e2245-9e7a-455b-8776-44e78fbe4ae0.html>
- **June 2019,** public lecture, *Festival Nice Fictions*, « La couleur et le rouge pendant la Préhistoire », Nice, France.
- **February 2020,** Public lecture, Musée de Préhistoire de Terra Amata, Nice, France, « L’utilisation e la couleur pendant le Paléolithique ».

### ***Selected media***

- **2016,** Article on ochre processing tools from Porc-Epic Cave, *Diario Vasco* (Spain): <http://www.diarivasco.com/agencias/201611/02/procesamiento-ocre-edad-piedra-810128.html>
- **2016,** Article on ochre processing tools from Porc-Epic Cave, *la Vanguardia* (Spain): <http://www.lavanguardia.com/cultura/20161102/411521956421/el-procesamiento-de-ocre-en-la-edad-de-piedra-revela-una-complejidad-cultural.html>
- **2016,** Article on ochre processing tools from Porc-Epic Cave, *Diario Libre* (Spain): <http://www.diariolibre.com/ciencia-y-tecnologia/ciencia/el-procesamiento-de-ocre-en-la-edad-de-piedra-revela-una-complejidad-cultural-HF5340801>
- **2016,** Article on ochre processing tools from Porc-Epic Cave, *El Confidencial* (Spain): [http://www.elconfidencial.com/ultima-hora-en-vivo/2016-11-02/el-procesamiento-de-ocre-en-la-edad-de-piedra-revela-una-complejidad-cultural\\_1054885/](http://www.elconfidencial.com/ultima-hora-en-vivo/2016-11-02/el-procesamiento-de-ocre-en-la-edad-de-piedra-revela-una-complejidad-cultural_1054885/)
- **2016,** Article on ochre processing tools from Porc-Epic Cave, *Daily Mail* (UK): [http://www.dailymail.co.uk/sciencetech/article-3897894/40-000-year-old-tools-used-Stone-Age-artisans-create-body-paint-Ethiopian-cave.html?ITO=1490&ns\\_mchannel=rss&ns\\_campaign=1490](http://www.dailymail.co.uk/sciencetech/article-3897894/40-000-year-old-tools-used-Stone-Age-artisans-create-body-paint-Ethiopian-cave.html?ITO=1490&ns_mchannel=rss&ns_campaign=1490)

- **2016**, Article on ochre processing tools from Porc-Epic Cave, « *Ars tecnica* » : <http://arstechnica.com/science/2016/11/incredible-discovery-of-40000-year-old-tools-for-art-and-engineering/>
- **2016**, Article on ochre processing tools from Porc-Epic Cave, *Archaeology* (USA): <http://www.archaeology.org/news/4989-161103-ethiopia-tools-ochre>
- **2017**, Article on ochre processing at Porc-Epic Cave, *la Vanguardia* (Spain): <http://www.lavanguardia.com/vida/20170525/422912799707/estudian-40-kg-de-colorantes-minerales-utilizados-en-la-epoca-paleolitica.html>
- **2017**, Article on ochre processing at Porc-Epic Cave, *El Periodico* (Spain): <http://www.elperiodico.com/es/noticias/sociedad/estudian-kilos-colorantes-minerales-utilizados-epoca-paleolitica-6061798>
- **2017**, Article on ochre processing at Porc-Epic Cave, *Daily Mail* (Reino Unido): <http://www.dailymail.co.uk/sciencetech/article-4536894/Cavemen-used-ochre-create-body-paint-4-500-years.html>
- **2017**, Article on ochre processing at Porc-Epic Cave , « *Vice* » (USA) : [https://creators.vice.com/en\\_us/article/scientists-have-discovered-the-oldest-art-store-in-history](https://creators.vice.com/en_us/article/scientists-have-discovered-the-oldest-art-store-in-history)
- **2017**, Article on ochre processing at Porc-Epic Cave, *Archaeology* (USA): <http://www.archaeology.org/news/5583-170525-ethiopia-porc-epic-cave>
- **2017**, Article on ochre processing at Porc-Epic Cave, « *Ars Technica* » : <https://arstechnica.com/science/2017/05/for-4500-years-stone-age-humans-returned-to-this-mysterious-cave/>
- **2018**, Article on my research at the University of Ferrara, *Il corriere della sera* (Italy): [https://27esimaora.corriere.it/18\\_giugno\\_11/io-caccia-pigmenti-le-pitture-rupestri-tinte-c-storia-d7cf0e38-6db5-11e8-9b64-3ff7a67664c8.shtml](https://27esimaora.corriere.it/18_giugno_11/io-caccia-pigmenti-le-pitture-rupestri-tinte-c-storia-d7cf0e38-6db5-11e8-9b64-3ff7a67664c8.shtml)
- **2018**, Article on my research at the University of Ferrara, rivista *Archeo* (Italy) n. 401, July 2018.

## MEMBERSHIPS

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- **2018-2019**, *Société des Amis du Musée National de Préhistoire et de la Recherche Archéologique*, Musée National de Préhistoire, Les Eyzies-de-Tayac (France).
- **2014-2015**, *European Society for the study of Human Evolution*, Leipzig (Germany).
- **2009-2011**, *Association le Chaînon Manquant*, Université de Bordeaux (France).

## LANGUAGE SKILLS

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- Italian and Spanish: native speaker.
- French and English: fluent.