

# JAVIER ORTEGA-HERNÁNDEZ

## CONTACT DETAILS

**Address:** Department of Zoology,  
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## PERSONAL DETAILS

**Date of birth:** 5<sup>th</sup> September 1983  
**Nationality:** Mexican [valid Tier 2 (General) Visa]  
**Expertise:** Origin and early evolution of animals

## PROFESSIONAL APPOINTMENTS

- 2019 – Department of Organismic and Evolutionary Biology, Harvard University, USA  
Assistant Professor in Paleobiology**
- Tenure-track appointment, starting on 1<sup>st</sup> January 2019.
- 2019 – Museum of Comparative Zoology, Harvard University, USA  
Curator of Invertebrate Paleontology**
- Tenure-track appointment, starting on 1<sup>st</sup> January 2019.
- 2016 – 8 Department of Zoology, University of Cambridge, UK  
Herchel-Smith Postdoctoral Research Fellow in Biological Sciences**
- 2013 – 6 Department of Earth Sciences, University of Cambridge, UK  
Emmanuel College, Research Fellow**

## ACADEMIC BACKGROUND

- 2013 Department of Earth Sciences, University of Cambridge, UK  
PhD in Earth Sciences (supervised by Professor Nicholas J. Butterfield)**
- Dissertation title: “Aspects of developmental biology in Palaeozoic euarthropods”
- 2009 School of Earth Sciences, University of Bristol, UK  
MSc in Palaeobiology (Distinction)**
- 2007 Facultad de Ciencias, Universidad Nacional Autónoma de México, México  
Licenciatura en Biología (Undergraduate degree in Biology)**

## Other research experience

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- 2011 Department of Zoology, University of Cambridge, UK  
Visiting researcher (six months) at the Laboratory for Development and Evolution**

## RESEARCH GRANTS AND AWARDS

- 2017** **Chinese Palaeontological Society recognition** to Yang et al. 2016, *PNAS* 113: 2988-2993, as one of top ten palaeontological studies published in 2016.
- 2016** ***Acta Palaeontologica Polonica* most cited publication for 2014**, awarded for paper “*Burgess Shale-type microfossils from the middle Cambrian Kaili Formation, Guizhou Province, China*”.
- 2015** **Paleonturología 2015**, awarded by Fundación Conjunto Paleontológico de Teruel-Dinópolis (Spain), for best palaeontological study published in 2014. €4,500.00.
- 2015** **Palaeontological Association Research Grant**. Awarded by the Palaeontological Association (UK) for field-based research project “*The origins of aerial breathing in terrestrial ecosystems: insights from virtual fossil reconstruction*”. PI. £6,149.00.
- 2015** **Herchel Smith Postdoctoral Research Fellowship in Biological Sciences, University of Cambridge, UK**. £139,054.00.
- 2014** **National Geographic Exploration Grant**. Awarded by the National Geographic Society for field-based research project “*The Weeks Formation Lagerstätte (Utah, USA): deciphering animal life during the late Cambrian*”. Co-I. \$16,085.00.
- 2014** **Highly commended poster presentation**. Awarded to an early career researcher at the 58<sup>th</sup> Annual Meeting of the Palaeontological Association, University of Leeds, UK.
- 2014** **IPA and IPC grant**. Awarded by the International Palaeontological Association to support attendance to the Fourth International Palaeontological Congress, Argentina.
- 2014** **Ernst Mayr Travel Grant in Animal Systematics**. Awarded by the Museum of Comparative Zoology, Harvard University (USA) for collections-based research project “*The middle Cambrian lobopodian Aysheaia pedunculata revisited: significance for panarthropod evolution*”. \$2,080.00.
- 2014** **Systematics Research Fund**. Awarded by the Systematics Association and the Linnean Society (UK) for collections-based research project “*The middle Cambrian lobopodian Aysheaia pedunculata revisited: significance for panarthropod evolution*”. £1,090.45.
- 2013** **Emmanuel College Stipendiary Research Fellowship, University of Cambridge, UK**. £66,699.00.
- 2013** **Schuchert and Dunbar Grant**. Awarded by the Yale Peabody Museum of Natural History (USA) for collections-based research project “*Arthropod palaeobiology from the Ordovician Fezouata Lagerstätte*”. \$1,000.00.
- 2012** **Academic excellence award**. Granted by the Secretaría de Educación Pública, México. £2,420.00.
- 2011** **Callomon Award**. Granted by the Palaeontological Association (UK) for field-based research project “*A new locality with Burgess Shale-type fossil preservation from British Columbia*”. £1,464.00.
- 2010** **Highly commended oral presentation**. Awarded at the postgraduate student conference Progressive Palaeontology 2010, University of Bristol, UK.
- 2009** **CONACYT scholarship**. Awarded by Mexican government to pursue PhD in Earth Sciences at the University of Cambridge, UK. £65,700.00.
- 2009** **Cambridge Trusts & Darwin College bursary** to pursue PhD in Earth Sciences. £30,000.00.
- 2008** **CONACYT scholarship**. Awarded by Mexican government to pursue MSc in Palaeobiology at the University of Bristol, UK. £19,800.00.

## ACADEMIC AND ADMINISTRATIVE SERVICE

**Peer review duty.** *Acta Paleontologica Polonica; Arthropod Structure and Development; Biological Reviews; BMC Evolutionary Biology; Bulletin of Geosciences; Current Biology; EvoDevo; Geological Magazine; Gondwana Research; Integrative and Comparative Biology; Invertebrate Biology; Journal of Paleontology; Journal of Systematic Palaeontology; Palaeontology; Papers in Palaeontology; Proceedings of the Royal Society B; Nature Communications; Nature Ecology and Evolution; Naturwissenschaften; Philosophical Transactions B; Scientific Reports; Royal Society Open Science.*

### 48 manuscripts reviewed since 2011

- 2019 Organizer of themed symposium at the “11<sup>th</sup> North American Paleontological Convention”, University of California Riverside, USA.
- 2018 Invited commissioning editor of palaeontological contributions for Geological Magazine 155<sup>th</sup> Anniversary Special Issue.
- 2017 Member of scientific committee at the 6<sup>th</sup> International Conference on Trilobites and their Relatives held in Tallinn, Estonia.
- 2017 Research grant referee for the Palaeontological Association (UK).
- 2016 Chair of contributed session Palaeobiology and deep time, at Euro Evo Devo Uppsala 2016.
- 2014 Co-chair of the open session Lower Palaeozoic faunas, at the Fourth International Palaeontological Congress Mendoza (IPC4).
- 2012 Chairman of the conference Progressive Palaeontology Cambridge 2012.
- 2011 Freelance graphic designer for the Sedgwick Museum of Earth Sciences, University of Cambridge (UK).
- 2011 Darwin College Boat Club men’s Captain.

## CONFERENCE CONTRIBUTIONS

### 40 conference abstracts since 2008

- 2018 International Conference on Ediacaran and Cambrian Sciences, Xi’an, China. **Poster presentation.**
- 2018 14<sup>th</sup> International Symposium on Tardigrada, Copenhagen, Denmark. **Oral presentation.**
- 2018 IPC5, Fifth International Palaeontological Congress Paris, France. **Speaker in two oral presentations.**
- 2017 61<sup>th</sup> Annual Meeting of the Palaeontological Association, Imperial College London, UK. **Two oral and one poster presentations.**
- 2017 6<sup>th</sup> International Conference on Trilobites and their Relatives, Tallinn, Estonia. **Oral and poster presentations.**
- 2017 XV Congreso Nacional de Paleontología, SOMEXPAL, San Luis Potosí, Mexico. **Oral and poster presentations.**
- 2016 Neptune Evo Devo Symposium, University of Lisbon, Portugal. **Oral presentation.**
- 2016 Euro Evo Devo 2016, Uppsala University, Sweden. **Poster presentation.**

- 2016 Palaeo Down Under 2, Adelaide University, Australia. **Oral presentation.**
- 2015 59<sup>th</sup> Annual Meeting of the Palaeontological Association, Cardiff University, UK. **One oral and two poster presentations.**
- 2015 Rise of Animal Life (RALI) 2015, The International Conference, University Cadi Ay Yad, Morocco. **Poster presentation.**
- 2014 58<sup>th</sup> Annual Meeting of the Palaeontological Association, University of Leeds, UK. **Two poster presentations.**
- 2014 IPC4, Fourth International Palaeontological Congress Mendoza, Argentina. **Speaker in two oral presentations.**
- 2013 57<sup>th</sup> Annual Meeting of the Palaeontological Association, University of Zurich. **Oral and poster presentations.**
- 2013 GSA Annual Meeting in Denver: 125<sup>th</sup> Anniversary of GSA. **Co-author in oral presentation.**
- 2012 56<sup>th</sup> Annual Meeting of the Palaeontological Association, University College Dublin, Dublin, Ireland. **Co-author in oral and poster presentations.**
- 2012 Trilo 2012, the 5<sup>th</sup> conference on trilobites and their relatives. Charles University. Prague, Czech Republic. **Oral and poster presentations.**
- 2012 Guizhou 2012. The 17<sup>th</sup> Field Conference of the Cambrian Stage Subdivision Working Group, International Subcommission on Cambrian Stratigraphy & Celebration of the 30th Anniversary of the Discovery of the Kaili Biota. University of Guizhou. People's Republic of China. **Co-author in oral presentation.**
- 2011 55<sup>th</sup> Annual Meeting of the Palaeontological Association, University of Plymouth. Plymouth, UK. **Poster presentation.**
- 2011 Progressive Palaeontology 2011, University of Leicester. Leicester, UK. **Oral presentation.**
- 2010 54<sup>th</sup> Annual Meeting of the Palaeontological Association, University of Ghent. Ghent, Belgium. **Oral presentation.**
- 2010 IPC3, Third International Palaeontological Congress, Imperial College. London, UK. **Oral presentation.**
- 2010 Progressive Palaeontology 2010, University of Bristol. Bristol, UK. **Oral presentation.**
- 2009 Walcott 2009, An International Conference on the Cambrian Explosion. Banff, Canada. **Oral presentation.**
- 2009 Progressive Palaeontology 2009, University of Birmingham. Birmingham, UK. **Oral presentation.**
- 2008 Jangellonian University, 2<sup>nd</sup> International Congress on Ichnology, University of Krakow. Krakow, Poland. **Poster presentation.**
- 2008 Universidad Autónoma de Nuevo León, II Simposio Geocientífico Internacional. Linares, México. **Co-author in oral presentation.**
- 2008 8<sup>th</sup> International Congress on Rudists, Dokuz Eylul University. Izmir, Turkey. **Oral presentation.**

## Invited talks

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- 2018 The Emergence of Complex Animal Life, University of Oxford, UK.
- 2018 Keynote speaker at the International Conference on Ediacaran and Cambrian Sciences, Northwest University, China.
- 2018 Department seminar, Department of Zoology, University of Cambridge, UK.
- 2018 Department seminar, School of Biological Sciences, University of Adelaide, Australia
- 2018 Institute of Earth Sciences, University of Lausanne, Switzerland.
- 2017 Department of Geology, Ghent University, Belgium.
- 2017 International Workshop on Evolution of Cambrian Arthropods – Taxonomy, Ontogeny and Phylogeny, Northwest University of China, Xian, China.
- 2017 Society for Integrative and Comparative Biology Annual Meeting 2017, New Orleans, USA.
- 2016 150<sup>th</sup> Anniversary of the Department of Zoology, University of Cambridge, UK.
- 2016 Fellow's talk, Emmanuel College, University of Cambridge, UK.
- 2016 Isotope coffee. Department of Earth Sciences, University of Cambridge, UK.
- 2016 Cambridgeshire Geological Club, Cambridge, UK.
- 2016 Associate Professor candidate talk, Department of Earth Sciences, University of Oxford, UK.
- 2016 Departments of Earth and Planetary Sciences / Organismic and Evolutionary Biology Faculty Candidate Talk, Harvard University, USA.
- 2016 Palaeobiology Discussion Group, School of Earth Sciences, University of Bristol, UK.
- 2016 Special seminars in Palaeobiology, Department of Earth Sciences, University of Cambridge, UK.
- 2015 Oxford Geology Group seminar on trilobites, BP Technology Centre, Whitchurch on Thames, UK.
- 2014 Symposium. Fossil arthropods as living organisms. IPC4, Fourth International Palaeontological Congress, Argentina.
- 2012 Laboratory seminar. Key Laboratory for Palaeobiology, Yunnan University, China.
- 2012 Department seminar, Natural History Museum, London, UK.
- 2011 Laboratory seminar. Laboratory for Development and Evolution, Department of Zoology, University of Cambridge, UK.
- 2010 Department seminar. Department of Earth Sciences, University of Cambridge, UK.
- 2010 Chelicerate Workshop, IPC3, Third International Palaeontological Congress, Imperial College London, UK.

## COMPLEMENTARY TRAINING

- 2018 **European Molecular Biology Organization Laboratory Management Course.** HFP Consulting – 30 training hours, 12<sup>th</sup> to 15<sup>th</sup> March, Leimen, Germany.