



15th Annual Meeting  
of the

# European Association of Vertebrate Palaeontologists



Munich, Germany  
31<sup>st</sup> July to 5<sup>th</sup> August

Second Circular



3<sup>rd</sup> April 2017

Dear Vertebrate Palaeontologists,  
it is our pleasure to provide you with details on the advances in preparations for the 15<sup>th</sup> Annual Meeting of the European Association of Vertebrate Palaeontologists. The following information contains news on many aspects that should help you to plan your attendance. In particular, we would like to highlight the upcoming deadline for abstract submission on 30<sup>th</sup> April 2017, and ask you to note the accepted symposia. Also, we recommend an early accommodation reservation and have compiled a list of hotels and pensions below. If you have any further requests or concerns, we are happy to help.

Looking forward to welcoming you to Munich,  
EAVP 2017 committee

### Invited Speakers (updated list)

**Bhart-Anjan Bhullar**, Yale University, New Haven (CT), USA

**Daniel DeMiguel**, Institut Català de Paleontologia, Barcelona, Spain

**Anjali Goswami**, University College London, UK

**Alexandra Houssaye**, Musée Nationale d'Histoire Naturelle / CNRS, Paris, France

**Walter Joyce**, University of Fribourg, Switzerland

**Serdar Mayda**, Ege University, Izmir, Turkey

**Maria McNamara**, University College Cork, Ireland

### Symposia

#### **Ecomorphology and functional anatomy in vertebrate palaeontology**

Tuesday, 1<sup>st</sup> August 2017

*Convenors: Josep Fortuny, Paris, France & Cerdanyola del Valles, Spain;*

*Jordi Marcé-Nogué, Hamburg, Deutschland & Soledad De Esteban-Trivigno, Cerdanyola del Valles, Spain*

This symposium intends to be the meeting point for all functional anatomists and evolutionary ecologists interested in vertebrate palaeontology. It aims to offer an occasion for positive research interactions and to discuss the state of the art of ecomorphology, functional anatomy and its perspectives (computational biomechanics, geometric morphometrics, functional approaches, paleobiology, paleoecology). All these topics provide new insights into the tissues that make up the musculo-skeletal system in vertebrates, their functional properties and their function. Moreover, constant methodological improvements and novelties are particularly important in ecomorphology and functional anatomy, implying the use of new and challenging methodologies in vertebrate palaeontology.

#### **European Fossil Fish Symposium: Evolutionary history of fossil fish**

Wednesday, 2<sup>nd</sup> August 2017

*Convenors: Adriana López-Arbarelo, Munich, Germany & Bettina Reichenbacher, Munich, Germany*

The European Fossil Fish Symposium is aimed to get together and enhance networking between palaeoichthyologists working in Europe or dealing with European fossil fishes. It welcomes any oral or poster contribution dealing with the evolution of European living and fossil chondrichthyan and osteichthyan fishes (systematics, diversity, biogeography, palaeoecology, taphonomy, etc.). Accordingly, besides any work on European fossil fishes, research on living taxa would be suitable if related to the evolution of European fossil taxa. Similarly, research on fossil taxa outside Europe would be suitable if related to the evolution of living or fossil European taxa. As an exception, presentations from students working in Europe will be accepted even if they are not directly related to European taxa.

## Recent advances on the palaeoecology, evolution and extinction of the cave bear

Thursday, 3<sup>rd</sup> August 2017

*Convenors: Anneke H. van Heteren, Munich, Germany & Borja Figueirido, Málaga, Spain*

Forty years after the publication of 'The cave bear story' by the vertebrate palaeontologist Björn Kurtén, several aspects concerning the palaeobiology of this Quaternary icon are poorly understood. These aspects are mainly related to its ecological habits such as dietary behaviour, competition with humans, and hybridisation with coeval brown bears.

For the symposium, our aims are (i) to bring together all authorities on cave bear biology in order to create an update encompassing the most recent advances in the field, which has been lacking since the publication of Kurtén's book in 1976; (ii) to join efforts among specialists in order to reach a consensus on specific aspects concerning cave bear biology that are still controversial, such as feeding behaviour or extinction, and to define future avenues of promising research; (iii) to discuss this exciting Quaternary subject face-to-face; and (iv) to have an opportunity to acknowledge and celebrate the contributions of Dr. Björn Kurtén to the field of Quaternary Palaeontology.

### Key Dates and Deadlines

Deadline for abstract submission – **30 April 2017**

Abstract decisions announced – **1 June 2017**

Deadline early bird registration – **15 June 2017**

Deadline standard registration – **1 July 2017**

Third circular available – **15 July 2017**

### Registration Fees

	early bird	standard	late
student member	40€	60€	80€
student non-member	60€	80€	100€
regular member	80€	120€	160€
regular non-member	100€	140€	180€

(include Ice Breaker Reception, Auction, coffee breaks)

For your information, becoming an EAVP member and enjoying discounts on the meeting fees is easy. Please see [http://www.eavp.org/blog/?page\\_id=434](http://www.eavp.org/blog/?page_id=434) .

### Abstract Submission and Registration

Abstract submission and meeting registration is facilitated via <https://www.conftool.net/eavp2017> . As a first step, please visit the site and register as user to our web-based event management system. Once done you can work on your abstract and submit. Modifications are possible until the deadline on 30<sup>th</sup> April 2017. Registration is possible at any time, but with graded fees (see above). Via the system you will be able to view the detailed meeting schedule once set up, well in advance of the EAVP 2017 meeting.

## Travel Grants

### AMG – Annual Meeting Grant

The EAVP offers grants for those who wish to attend the annual meeting, but lack institutional financial support to do so. The Annual Meeting Grant (AMG) succeeds the Raymonde Rivoallan Fund (RRF) and the student travel grant (STG). The successful applicant(s) for the AMG will have the **annual conference fees – usually around 100 Euros, including field trip and dinner – waived**, and a **financial component** disbursed to help with associated accommodation and transport costs. In return for this financial support, the successful applicant(s) will acknowledge receipt of this grant during their oral presentation ( and, if applicable, in any subsequent publication), at the annual conference. In the oral presentation the EAVP logo should be shown. For application please visit [www.eavp.org/blog/?page\\_id=294](http://www.eavp.org/blog/?page_id=294) .

### Transmitting Science Travel Grants

Transmitting Science ([www.transmittingscience.org](http://www.transmittingscience.org)) will provide **one €250 grant** for a **PhD student or Postdoc** (under 40 years of age) accepted for an oral presentation concerning Functional Morphology, Ecomorphology, Phylogenetic Comparative Analysis, Histology, Biogeography, Paleoecology or Geometric Morphometrics.

Applicants for this grant should provide a **cover letter** and **CV** along with their **abstract** to [grants@transmittingscience.org](mailto:grants@transmittingscience.org), please mention 'EAVP' in the subject line. See also [www.eavp.org/blog/?page\\_id=299](http://www.eavp.org/blog/?page_id=299) .

## Pre-Meeting Events

### Photogrammetry basics for palaeontologists: A workshop on how to take pictures and create a 3D model

Monday, 31<sup>st</sup> July 2017, 9am to 5pm (including lunch break)

*Instructors: Matteo Belvedere, Porrentruy, Switzerland & Heinrich Mallison, Pöttmes, Germany*

Photogrammetry as a method to create 3D visualizations has become an integral part of palaeontological research. In this workshop we will teach the basics of data capture, data handling (model creation) in the two most commonly used programs (Reality Capture and Photoscan Pro), and of basic file editing (cleanup, print-readying) in various freely available programs.

Participants should bring their own laptop computers, cameras (DSLR, compact, cellphone), (LED ring-)lights, and tripods. Scale bars will be provided. The workshop is limited to a maximum of 20 participants.

### Introduction to Finite Element Analysis (workshop sponsored by Transmitting Science)

Monday, 31<sup>st</sup> July 2017, 9am to 1pm (including break)

*Instructor: Jordi Marcé-Nogué, Hamburg, Germany*

The workshop will introduce vertebrate paleontologists to Finite Element Analysis (FEA), which is a great tool to approach problems in biomechanics of living and extinct organisms using digital models. Key questions in FEA models such as mesh size, boundary conditions, applied forces, scaling, numerical singularities, and, especially, how these models can be used and interpreted in a biological context will be thoroughly addressed using problem-based learning methods by discussing current published papers. The articles referred to in the workshop will be sent in advance to the participants. Voluntary reading prior to the workshop is recommended. Participants do not need to bring a computer. The duration is 4 hours including break.

## **Neutron Imaging - Information beyond X-rays**

Introduction to the ANTARES (Advanced Neutron Tomography And Radiography Experimental System) – facility at Heinz Maier-Leibnitz center of TU München

Monday, 31<sup>st</sup> July 2017, 2pm to 4pm

*Referee: Burkhard Schillinger, Garching, Germany*

Thermal and fast neutrons can penetrate most metals while delivering high contrast for many light elements, which is often the opposite behavior of X-rays. Hydrogen, i.e. organic materials, can be detected even in lead enclosures. Neighboring elements, even isotopes of the same element, may deliver a very different contrast. X-ray methods are always the first choice for ease of application and availability, but neutron methods are great tools where X-rays fail, not only in cultural heritage.

Neutron Imaging has been used with great success for fossils embedded in red beds, i.e. iron containing materials that are impenetrable for X-rays. Fossilized teeth can be classified according to the interface between enamel and dentine, but only some specimens can be examined with X-rays or synchrotron radiation, while others deliver no contrast at all, because some – as yet undetermined – mineral exchange happened in the sediment embedding the fossil. Neutron imaging still delivers large contrast. Fossilized bones in chalk rock or conglomerates like breccia deliver very little contrast to the surrounding material for X-rays, while they can be easily distinguished using neutrons.

This information event will show several examples of neutron imaging in palaeontology as well as describe the ANTARES and NECTAR facilities for neutron imaging at the FRM II reactor of Technische Universität München and the free and easy access by short scientific proposals. Enquiries from the audience on suitability of neutron imaging for particular specimens / preservation are especially encouraged and will be discussed.

## **Women in palaeontology and ways to address gender disparity in career progression in STEM**

### **Roundtable Discussion**

Monday, 31<sup>st</sup> July 2017, 4pm, to 6pm

*Convenor: Femke Holwerda, Munich, Germany; Soledad De Esteban-Trivigno, Cerdanyola del Valles, Spain & Edina Prondvai, Ghent, Belgium*

The event will start with a short introduction on gender disparity in STEM, backed by data from scientific studies. After this, experiences and challenges as women in science will be addressed, and propositions and objectives for the future will be discussed. The women's spokesperson of the Faculty of Geosciences of LMU München, Dr. Roswitha Stolz, will moderate the roundtable discussion.

**Women AND men** are welcome! The icebreaker starts right after, so talking can be continued over drinks.

## **Field Trip**

A two-day field trip is scheduled on 4<sup>th</sup> to 5<sup>th</sup> August 2017 visiting Neogene and Jurassic sites as well as adjacent museums and exhibitions. We will start early on the 4<sup>th</sup>, spend a night on tour, and return in the evening on the 5<sup>th</sup>. Costs are not yet calculated, but will be dependent on participant numbers. Hence, please help us in planning and tick the field trip box in the registration form (without obligation) in case you are interested.

## Social Events

On Monday, 31<sup>st</sup> July 2017, we are expecting you at 6pm for the **Ice Breaker Reception** in the Palaeontological Museum and the adjacent yard. On Wednesday evening, 2<sup>nd</sup> August 2017, the **General Assembly** (or AGM) of the EAVP, at 7pm, is followed by the **Auction** in a large lecture hall besides the Palaeontological Museum. The **Conference Dinner** and succeeding **Farewell Party** will take place in the restaurant in the Botanical Garden Munich ([www.botmuc.de/en/cafe](http://www.botmuc.de/en/cafe)) on Thursday, 3<sup>rd</sup> August 2017, that is reserved until the early morning of 4<sup>th</sup> August.

The **Auction** is a key event in order to raise funds to assist attendance by those without institutional financial support at future EAVP meetings. We rely on the proceeds from this event more heavily than ever, **so please remember to bring items to donate to the auction**, and your Euros to support our grant recipients!

## Accommodation

Munich is a busy and popular tourist destination all year-round. Hence, early reservation is highly recommended. Conveniently, most hotels and pensions allow reservation cancellation of until two or three days prior to check-in without charging (but check individual regulations carefully).

Nearby hotels and pensions with reasonable prices for Munich city centre are

**Hotel Königswache** [www.koenigswache.de](http://www.koenigswache.de)

**Hotel Lex** [www.hotel-lex.de](http://www.hotel-lex.de)

**Ibis Hotel München City** [www.ibis.com/de/hotel-1450-ibis-muenchen-city](http://www.ibis.com/de/hotel-1450-ibis-muenchen-city)

**H+Hotel München City Centre B & B**

[www.h-hotels.com/de/hplus/hotels/hplus-hotel-muenchen-city-centre](http://www.h-hotels.com/de/hplus/hotels/hplus-hotel-muenchen-city-centre)

**Hotel Erzgiesserei Europe**

[www.europe-hotels-international.de/hotel-erzgiesserei-muenchen.html](http://www.europe-hotels-international.de/hotel-erzgiesserei-muenchen.html)

**Leonardo Boutique Hotel Munich**

[www.leonardo-hotels.de/leonardo-boutique-hotel-munich](http://www.leonardo-hotels.de/leonardo-boutique-hotel-munich)

**Hotel-Pension Theresia-Regina** [www.hoteltheresia.de/e\\_index.htm](http://www.hoteltheresia.de/e_index.htm)

**Pension Geiger** [www.pensiongeiger.de](http://www.pensiongeiger.de)

Further suggestions (with distance from the EAVP 2017 venue and minimum price) are

<b>Smart Stay Hotel Station</b>	0.9 km	42 €
<b>Novum Hotel München</b>	0.8 km	55 €
<b>Hotel Hahn</b>	2.4 km	61 €
<b>Hotel Montree</b>	0.7 km	65 €
<b>Hostel Cristal</b>	1.1 km	65 €
<b>Vi Vadi Hotel downtown Munich</b>	0.6 km	69 €
<b>Hotel Stachus</b>	0.9 km	71 €
<b>Hotel Alfa München Zentrum</b>	0.7 km	73 €
<b>Hotel Belle Blue</b>	1.2 km	73 €
<b>Creatif Hotel Elephant</b>	0.7 km	74 €
<b>Hotelmüller München</b>	1.7 km	75 €
<b>Carathotel München</b>	1.7 km	76 €
<b>Das Hotel in München</b>	0.9 km	77 €
<b>Hotel Cocoon Sendlinger Tor</b>	1.8 km	79 €
<b>Rilano 24-7 Hotel München City</b>	1.1 km	81 €
<b>Best Western Atrium</b>	1.3 km	85 €
<b>Hotel Italia</b>	1.2 km	88 €



Arthotel Ana Diva	0.6 km	89 €
Batu Aparthotel	0.7 km	89 €
Design Hotel Munich Inn	1.2 km	89 €
Hotel Regent	0.8 km	93 €
Hotel Europa	0.7 km	96 €
Hotel Europäischer Hof	1 km	96 €
NH München	0.7 km	97 €
Eden Hotel Wolff	0.7 km	98 €
Mirabell Munich	1.3 km	98 €
Ruby Lilly Hotel Munich	0.4 km	100 €

For budget travellers, there are hostels around the Munich main station, one U-Bahn stop or  $\pm$  1 km away from the EAVP 2017 venue (prices based on a 4-night stay for two persons):

**A&O Hostel München** (at Hackerbrücke or Hauptbahnhof)

**Euro Youth Hostel Munich**

**Jaeger's Munich**

**Smart Stay Hostel Munich City**

**The 4You Hostel Munich**

**Wombats City Hostel Munich**

Also, Munich offers some **Airbnb** accommodation ( [www.airbnb.de](http://www.airbnb.de) ).

## Ecological Conference Management

EAVP 2017 is dedicated to the promotion of ecological conference management. A major objective is to avoid products exclusively produced for EAVP 2017. Hence, we are asking for understanding that we will abstain from merchandising articles with the meeting logo, including conference bags. Moreover, we anticipate opting out of distribution of USB-sticks, providing an abstract book printed on recycled paper, for catering and the conference dinner regional food and beverages will be preferred, as well as a focus on quality vegetarian food, for providing tap water instead of bottled water, and for avoiding plastic cutlery and tableware.

As the meeting venue is closely located to the Munich main station (10 minutes walk) and well-connected to public transport, we encourage attendees to consider train journeys instead of airplane or car/coach journeys as far as possible. For those arriving at Munich Airport, public transportation to the Munich main station is scheduled every 10 minutes for most of the day.

## Communication

Constantly updated information on EAVP 2017 is being provided via the brand-new EAVP web site ( <https://www.eavp.com/blog> ), the dedicated meeting webpage ( [www.lmu.de/eavp2017](http://www.lmu.de/eavp2017) ), and social media ( <https://www.facebook.com/EAVPalaeo>, <https://twitter.com/EAVPalaeo> ).

## Contact Details

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