



## Welcome to Barcelona (Spain)

The **Centre de Restauració i Interpretació Paleontològica CRIP** (Restoration and Interpretation Center of Paleontology) in **Els Hostalets de Pierola, Barcelona**, is excited to host the **1<sup>st</sup> International Conservation Symposium-Workshop of Natural History Collections** in Barcelona (Spain) from the **September 18<sup>th</sup>-20<sup>st</sup> 2013**.



Els Hostalets de Pierola



Restoration and Interpretation Center of Paleontology - **CRIP**



The main purpose of this **Symposium-Workshop** is to emphasize all those concepts related to **protection and conservation of Natural History Collections**.

Listening, discussing and learning with other natural science conservators and preparator-restorers is a great and unique opportunity that we offer for all professionals working in this field, so that our natural heritage gets managed in the best way possible. In this edition, we plan to cover:

- Conferences by international professionals.
- Attendees' communications.
- Poster presentations.
- Practical classes and experience exchanges.

We would like to avoid all those theoretical lectures that are useful only for a few professionals working in this field. Our aim is to focus towards a practical point of view, which will achieve a better learning and gain international importance. For this reason, we will combine conferences given by an interdisciplinary team of conservators from world renowned collections. There will be time for attendees' communications, as well as poster presentations, in order to find global solutions.

Following the Symposium we propose producing a publication. All the talks, attendee's presentation and posters would be included.

## ORGANIZING COMMITTEE:

### Conveners:



**Sandra Val**

*Head Department of Conservation-Preparation.*

*Restoration and Interpretation Center of Paleontology CRIP*

*Barcelona Spain – [sval@crip.cat](mailto:sval@crip.cat)*



**Steven J. Jabo**

*Research Assistant/Preparator of Paleontology.*

*Smithsonian National Museum of Natural History*

*Washington USA- [jabos@si.edu](mailto:jabos@si.edu)*



**Vicen Carrió**

*Geological Conservator/Preparator*

*National Museums Scotland*

*Edinburgh Scotland – [v.carrio@nms.ac.uk](mailto:v.carrio@nms.ac.uk)*

### All Committee:

- For questions or comments contact:  
**Sandra Val** – [sval@crip.cat](mailto:sval@crip.cat)
- **Abstracts** of conferences, attendee's presentations and posters, as well as questions regarding them must be sent to:  
**Domingo López** Department of Conservation-Preparation **CRIP** – [dlopez@crip.cat](mailto:dlopez@crip.cat)
- **Articles** for publication, as well as questions regarding them must be sent to:  
**Sandra Val** – [sval@crip.cat](mailto:sval@crip.cat)
- **Logistic and Registration form**, as well as questions regarding them must be sent to:  
**Cheyenn Rotgers** – Department of Paleontology **CRIP** [chrotgers@crip.cat](mailto:chrotgers@crip.cat)
- **Logistic and Language corrections**, **Vicen Carrió**. [v.carrio@nms.ac.uk](mailto:v.carrio@nms.ac.uk)
- **Logistic**, **Judit Llopart**- Coordinadora Tècnica **CRIP** [jllpart@crip.cat](mailto:jllpart@crip.cat)

### Paleontologists Researchers:

- Dra. Soledad De Esteban Trivigno:** Academic and Researcher Department, Transmitting Science; Area de Paleobiología, Institut Catalán de Paleontologia. Sabadell, Spain
- Dr. Antonio Garcia-Alix:** Postdoctoral Researcher Juan de la Cierva. Instituto Andaluz de Ciencias de al Tierra. Granada, Spain
- Andrés Santos:** Paleontology Researcher and Director of "Escuela Taller de Restauración Paleontológica IV", Gobierno de Aragón, Spain
- Cheyenn Rotgers:** Paleontology Researcher, Centre de Restauració I Interpretació Paleontològic CRIP, Barcelona Spain
- Raül Carmona:** Paleontology Researcher, Barcelona Spain
- Jose M<sup>a</sup> Robles:** Paleontology Researcher, Barcelona Spain
- Elisabet Blaya:** Paleontology Researcher, Barcelona Spain
- Begoña Poza:** Paleontology Researcher, Consorci Ruta Minera, Cercs, Spain.

## Program

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In this circular we specify the names of our international speakers and the topics of their presentations.

We have specified themes and locations of workshops.

Names and titles of oral and poster presentations will be announced after the registration deadline.

The organizing committee reserves the right to modify the original program if it is logistically necessary.

### Wednesday, September 18<sup>th</sup> 2013

9:00h - 9:30h - **Welcome reception**

9:30h -10:00h - *Presentation - 1<sup>st</sup> International Conservation Symposium-Workshop*

10:00h -10:30h *Coffee break*

10:30h-11:30h - **Pamela B. Hatchfield**

*Pollutants in the Museum Environment: Minimizing damage in display and storage.*

*Head of Objects Conservation. Museum of Fine Arts, Boston USA*

*15'questions*

11:45h-12:45h - **Allyson Rae**

*Exploring the Common Ground Between Organic Artifacts and Natural History Specimens: We Share Problems - Can We Share Solutions?*

*Freelance Specialist Organic Artifacts Conservation. Conservator in The British Museum(1978-2006), London UK*

*15'questions*

13.00h -14:30h - *Lunch*

14:30h-15:30h- **Raquel Ferrer**

*Techniques and products used for the conservation of the dinosaur Tracks*

*Professor of conservation and restoration of Cultural Heritage - "Escuela Taller de Restauración Paleontológica IV", Gobierno de Aragón, Spain.*

*15'questions*

15:45h-16:45h - **Steven J. Jabo**

*An Overview of Paleontological Techniques Used on Vertebrate Fossils.*

*Research Assistant/ Preparator of Paleontology – Smithsonian Institution National Museum of Natural History, Washington USA*

*15'questions*

**Thursday, September 19<sup>th</sup> 2013**

9:00h-10:30h - 4 Attendees' presentations 20'

10:30h-11:00h - *Coffee break*

11:00h-12:30h - 4 Attendees' presentations 20'

12:30h-13:30h - *Posters Presentation*

14:00h-15:30h - *Lunch*

15:30h-16:30h - 4 Attendees' presentations 20'

**Friday, September 20<sup>th</sup> 2013**

9:00h-10:00h - *Breakfast coffee*

**10:00h-13:00h - Practical classes and experiences exchanges:**

1- "*Creating padded cradles to protect fossil specimens*"

**Steven J. Jabo.** *Preparator of Paleontology - Smithsonian National Museum of Natural History, Washington USA*

**Place:** Laboratories ESCRBCC

2- "*Microenvironments and their use in the preservation of Natural History Collections*"

**Chris Collins** *The Conservation Centre. Natural History Museum, London.*

**Place:** Laboratories ESCRBCC

3- "*Forensic Facial reconstruction. Digital and classical approach*"

**Philippe Froesch** - *VisualForensic* – *Reconstruction Forensic Art & Paleo Art.*

**Place:** Laboratories ESCRBCC

4- "*Introduction to the Conservation of feathers*"

**Allyson Rae.** *Specialist in Organic Artifacts Conservation -UK*

**Place:** Laboratories ESCRBCC

13:00h-14:30h - *Lunch*

**14:30h-17:30h - Practical classes and experiences exchanges:**

1- "*Creating padded cradles to protect fossil specimens*"

**Steven J. Jabo.** *Preparator of Paleontology - Smithsonian National Museum of Natural History, Washington USA*

**Place:** Laboratories ESCRBCC

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**Place:** Laboratories ESCRBCC

4- "*Introduction to the Conservation of feathers*"

**Allyson Rae.** *Specialist in Organic Artifacts Conservation -UK*

**Place:** Laboratories ESCRBCC

18:00h - *Closing meal* –



## Description of workshops

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### 1- "Creating padded cradles to protect fossil specimens"

**Steven J. Jabo.** *Preparator of Paleontology – Smithsonian National Museum of Natural History, Washington USA*

**Place:** Laboratories ESCRBCC

Workshop on new techniques that the Smithsonian's National Museum of Natural History has developed to protect fossil vertebrates with two-sided, foam- or felt-padded, plaster jackets that bolt together to fully encase the specimens. Handles and feet on either side of the jacket enable a person to lift off a side, fully examine one side of even the most delicate specimen, and then flip it over to examine the other side. This eliminates excessive handling, and reduces the chances for breakage. In this workshop, participants will be provided with "fossil specimens", and will learn a multi-step process using hydrocal gypsum cement, surmat fiberglass cloth, and polyester felt padding to build archival storage cradles for them. Participants will be able to take the cradles (and "specimens") home after the workshop.

### 2- "Microenvironments and their use in the preservation of Natural History Collections"

**Chris Collins** *The Conservation Centre. Natural History Museum, London.*

**Place:** Laboratories ESCRBCC

To preserve the ever increasing amounts of information required from natural history specimens, including DNA, isotopes, or even crystallography it has become important to better understand how specimens deteriorate and how we can control the deterioration mechanisms that lead to damage or loss of these specimens. Invasive preservation treatments lead to loss of information in objects and store up potential problems for the future. Microenvironments can provide simple and (cost) effective methods of accurately controlling a range of deterioration mechanisms and can be used both in the field and in the museum. The use of relative humidity, reduced oxygen or fluid controlled microenvironments is becoming increasingly important as a tool to control deterioration in objects. Staff at the NHM have used various types of microenvironments to control deterioration problems ranging from pyrite to mold growth on plant specimens in the field and in a range of global environments. As we improve our understanding of deterioration we are finding increasing uses for these simple but effective techniques.

### 3- "Forensic Facial reconstruction. Digital and classical approach"

**Philippe Froesch** – *VisualForensic – Reconstruction Forensic Art & Paleo Art, Terrassa, Spain*

**Place:** Laboratories ESCRBCC

Introduction through history of the techniques

- Actual methods of forensic facial reconstructions: clay or digital, "american" or "Manchester" methods
- Some scientific methods for the reconstruction of soft parts:
  - the nose and the FBI counter terrorism method of regressive equations
  - the mouth and George's method
- Some cases.
- Practical approach: reconstruction of half a face.

### 4- "Cleaning and repair techniques for feathers"

**Allyson Rae** *Specialist in Organic Artifacts Conservation -UK*

**Place:** Laboratories ESCRBCC

A large number of techniques have been tried and applied over the years and are well represented in the literature. I am demonstrating a few basic procedures which I have found particularly useful with the types of feather objects I have encountered. As with all conservation treatments, the cleaning and repair of feathers needs careful thought – it is possible to do more harm by doing the wrong thing than by doing nothing. Cleaning is irreversible and careful drying essential. Cleaning agents and repair materials become intimately associated with artifacts and have a bearing on their long term stability. We need to feel confident that the choices we make, the knowledge, skills, materials and time we have available allow us to apply techniques which enhance the understanding and longevity of feather artifacts.


This is a practical workshop with the opportunity for participants to try out one cleaning and one repair technique on non-collection feathers. There is nothing like doing it to help us appreciate the benefits and risks of treatments!

## Places



### PALAU MARC

La Rambla de Santa Mònica, nº 8 - BARCELONA (08002)

 Metro - **Line 3** - Station Drassanes

<http://www.bcn.cat/cgi-guia/guiamap4/cgi-guia/?actives=&scl=6&cnt=31243.00%2C81187.00&plt=31243.00%2C81187.00&plant=capes4c&txt1=Palau+Marc&txt2=la+Rambla%2C8&idioma=0&grayscl=0&zoom=2&map.x=300&map.y=131>

- *Welcome reception.* – 18<sup>th</sup> September 2013
- *Conferences.* - 18<sup>th</sup> September 2013
- *Attendees' Presentations.* - 19<sup>th</sup> September 2013
- *Posters presentation* - 19<sup>th</sup> September 2013
- *Coffee break & lunch.*

Tourist guide - La Rambla: <http://www.barcelona-tourist-guide.com/en/ramblas/barcelona-las-ramblas.html>



*Superior School of Conservation and Restoration of Cultural Heritage in Catalonia.*

### Escola Superior de Conservació i Restauració de Béns Culturals de Catalunya. ESCRBC

C/ Aiguablava, 109-113 (08033) - BARCELONA

<http://www.xtec.cat/escrbcc>

 Metro - **Line 11** – Station Casa de l'Aigua  
<http://www.xtec.cat/escrbcc/comarribar.htm>

- *4 Workshops* - 20 September 2013
- *Coffee break & lunch*

## Abstract submission

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We would like this **Symposium-Workshop** to be a space for sharing ideas, knowledge and techniques with other professionals working in this field. For this reason, we invite you to participate with an **oral or a poster communication**. In order to do so, you need to **submit an abstract** indicating if your presentation will be in oral or poster form. **Oral communications will be of 20minutes**. Time will be monitored to be keep program on time.

### Submission dates:

The last day for submitting an abstract is **February 28<sup>th</sup> 2013**.

You must indicate **the title of your abstract in your registration form**, specifying if your communication will be in an **oral or poster form**.

### Submission process:

All abstracts must be sent via e-mail, as an attachment, in **pdf format**. They must all include the following information:

**COMMUNICATION TITLE, CENTERED, CAPITAL LETTERS AND BOLD. ITALIC IF THE WORD IS IN LATIN. ALL TEXT SHOULD BE WRITTEN IN CALIBRI, SIZE 9PT AND JUSTIFIED. SINGLE INTERLINE. PHOTOGRAPHS SHOULD NOT BE INCLUDED WITH THE TEXT, THEY SHOULD BE IN AN ANOTHER FOLDER.**

Surname(s), Initial(s).<sup>1</sup>, Surname(s), Initial(s).<sup>2</sup>, Surname(s), Initial(s).<sup>3</sup> & Surname(s), Initial(s).<sup>4</sup>.

(**Example:** Ruiz-Sánchez, F.J.<sup>1</sup>, Crespo-Roures, V.D.<sup>1</sup> & Furió, M.<sup>2</sup>) As you can see, authors are all aligned to their left and no in the centre. If there are two initials together, an space in between both letters should be left (F.J., V.D.)

<sup>1</sup> Name of the Institution, postcode (without street or number, only locality, postcode and country) all those spaced by colon; then semicolon, colon and write e-mail without a full stop at the end

<sup>2</sup> Example: Institut Català de Paleontologia Miquel Crusafont (ICP), Universitat Autònoma de Barcelona, 08193, Cerdanyola del Vallès, Barcelona, Spain; [correoelectronico@ejemplo.es](mailto:correoelectronico@ejemplo.es)

### Abstract

You should present your work in a maximum of 150 words, indicating the aim of the work or research. The abstract should reflex both the results and the principal conclusions of the work. The keywords will be added too at this point.

**Keywords:** 4

**Submission must be sent in English**

All abstracts will be reviewed, and their acceptance will be notified by the **29 March of 2013**.

All abstracts must be **sent via e-mail** to the organizing committee **Domingo López:** [dlopez@crip.cat](mailto:dlopez@crip.cat)

## Poster guidelines

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### Design

- Maximum length 1.20m and maximum width 1m.
- A descriptive title (banner format) must be included in the upper part of the poster. It must be easy to read from 3m apart.
- Author(s) name(s) and institution(s) must also be included.
- The poster main text must begin with an **introduction** and end with some **conclusions**. These two parts are very important because very often they are the ones most of the attendees read. An **abstract** written in **English** must also be included.
- All the information included in the poster must be intuitive and well organized in columns. The text must be readable from 1m apart.
- All posters must be self-explanatory, so that they can be understood without the help of the authors(s).
- Figure captions must be used, so that figures can be understood without having to read the whole text.
- Posters can be presented in Spanish. However, we recommend that they are written in English, as long as they are revised and they contain no grammatical errors.
- We strongly recommend that poster presentations should be creative. All posters must be designed in **portrait format** (vertical) and not landscape, because of poster holders.

### Contents

- The **introduction** section must explain the basis of the work done and indicate the direction taken by the author(s)
- The **methodology** used must be presented clearly.
- All the **results** must be presented clearly in an understandable way, and they must confirm the final conclusions.
- The **conclusions** must be consistent with the problems or questions explained or proposed in the introduction.



## Language

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The languages used during the 1<sup>st</sup> International Conservation Symposium - Workshop will be **Spanish and English**.

There will be **simultaneous translation** in these two languages: Conferences & attendee's presentations, but the **workshops will be only in English**.



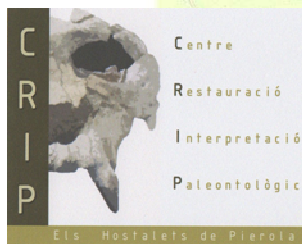
## Registration information

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### Registration price is:

- **250€** if you register **before February 15<sup>th</sup> 2013**.
- **350€** if you register **after February 15<sup>th</sup> 2013**. Registration deadline is **June 30<sup>st</sup> 2013**.
- There will be **five 150€ registration grants (only for students)**.

Registration price includes daily breakfast and lunch, as well as the opening dinner.  
Please send registration form together with a bank payment proof to: [inscripcions@crip.cat](mailto:inscripcions@crip.cat)



Acknowledgment to all these institutions, for their special contribution to the realization of this event.



## Registration Form

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Country: \_\_\_\_\_ Code: \_\_\_\_\_

D.N.I / passport: \_\_\_\_\_ Tf: \_\_\_\_\_

@: \_\_\_\_\_ Web: \_\_\_\_\_ Fax: \_\_\_\_\_

Academic qualification: \_\_\_\_\_

Institution: \_\_\_\_\_

Description job: \_\_\_\_\_

Title abstract: \_\_\_\_\_

Communication:  Poster:

Mark two workshops: \_\_\_\_\_

- |                          |  |                         |
|--------------------------|--|-------------------------|
| <input type="checkbox"/> | "Creating padded cradles to protect fossil specimens"                                | <i>Steven J. Jabo</i>   |
| <input type="checkbox"/> | "Microenvironments and their use in the preservation of Natural History Collections" | <i>Chris Collins</i>    |
| <input type="checkbox"/> | "Forensic Facial reconstruction. Digital and classical approach"                     | <i>Philippe Froesch</i> |
| <input type="checkbox"/> | "Cleaning and repair techniques for feathers"  | <i>Allyson Rae</i>      |

Registration date: \_\_\_\_\_

Specify if you need special menu: \_\_\_\_\_

Signature: \_\_\_\_\_

Bank stamp: \_\_\_\_\_

Nº Current account: **2100 – 0269 – 86 - 0200080708**

Please send a copy of the bank receipt and the registration form to: [inscripciones@crip.cat](mailto:inscripciones@crip.cat)



**Ajuntament  
dels Hostalets de Pierola**

*We wait you in BARCELONA!!!*



*See you soon!!*