

# CURRICULUM VITAE

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**Sébastien COUETTE**



## **Corresponding address**

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## **CURRENT POSITION**

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### **Assistant professor**

(2012 – present) Laboratory EPHE Palaeobiodiversity and Evolution (PALEVO) and University of Burgundy UMR uB-CNRS 6282 « Biogéosciences » - Dijon, FRANCE

(2008 – 2012) *Laboratory of primates evolution, Ecole pratique des Hautes Etudes (EPHE) and Earth Sciences Department of the Muséum National d'Histoire Naturelle , UMR CNRS 7207 (CR2P) - Paris, FRANCE.*

## **EDUCATION**

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- 2005:** **PhD** in “Primates evolution”.  
*University of Burgundy, Dijon, France, Laboratory of Earth Sciences and Ecole Pratique des Hautes Etudes (with first honor and distinction).*  
**Dissertation:** “A study of cranial morphological disparity in neotropical monkeys (Primates, Platyrrhini)”.  
**PhD Advisors:** Jean Chaline and Marc Godinot.  
**Jury members:** Michel Baylac (National Museum of Natural History, Paris), Emiliano Bruner (University of Rome), Gabriel Marroig (University of São Paulo), Bruno David (University of Burgundy), Jean Chaline (University of Burgundy), Marc Godinot (Ecole Pratique des Hautes Etudes, Paris).
- 2000:** **Master's degree** (paleontology).  
Master's thesis: "Analyses of the Platyrrhinian cranial morphospace (South American monkeys)".  
*University of Burgundy, Dijon, France (with honors),*
- 1998:** **Bachelor's degree** (Earth Sciences with a major in Paleontology).  
*University of Poitiers, Poitiers, France (with honors),*

### **Internships fieldwork and museum experience**

**2014 :** Three dimensional morphometric data collection of skulls at the Natural History Museum of London (SYNTHESSYS program, 2 weeks),

**2014** : Three dimensional morphometric data collection of skulls at the Museum für Naturkunde of Berlin (SYNTHESYS program, 2 weeks),

**2012** : Three dimensional morphometric data collection of skulls at the Natural History Museum of London (SYNTHESYS program, 2 weeks),

**2011** : Fieldwork in South Africa on the distribution of a galago species (1 week),

**2011** : Paleontologic fieldwork in the south of Madagascar (2 weeks),

**2008**: Paleontologic excavations, Limognes en Quercy (France),

**2006**: Molecular biology internship, University of Burgundy, Dijon (France),

**2005**: Three dimensional morphometric data collection of skulls at the American Museum of Natural History in New York and the National Museum of Natural History in Washington DC (USA)

**2003**: Three dimensional morphometric data collection of skulls at the Museu Paraense Emilio Goeldi, Belém (Brazil),

**2002** : Paleontologic excavations, Cherves-Richemont (France),

**2002**: Three dimensional morphometric data collection of skulls at the Museu Paraense Emilio Goeldi, Belém (Brazil),

**1999** : Fieldwork in geology (continental deposits) and Paleontology (fossil collection), Saint Capraise d'Aymet (France),

**1998/2001** : Paleontologic excavations, Crayssac (France),

**1997** : Internship in fossil preparation, University of Poitiers, Poitiers (France),

## **COURSES**

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### **Course list:**

Phylogeny, phylogenetic approach of evolution

Statistical acquisition and analysis of a dataset (several sessions, different levels)

Morphometrics : shape analysis, methods and applications

Communication

Paleoanthropology

Primates and environments

Fauna, flora and climates

## **ACADEMIC FUNCTIONS**

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- Member of the scientific council of the EPHE

## **RESEARCH INTERESTS**

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**Paleontology:** Quantification of the morphological variability of a group of Primates from the Eocene (Adapines).

**Physical anthropology:** quantification of intra and interspecific morphological variability in extant primates on several morphological parts (crania, vertebra...). Ontogenetical, evolutionary and functional perspectives.

**Developmental biology and evolution:** cranial development (using modularity concept) and ontogeny

**Methodologies used:**

3D geometrical morphometrics (landmark methods, outline methods)  
Statistical methods (multivariate analyses)  
3D data-acquisition tools (digitizing table, microscribe 3DX)  
DNA extraction, amplification and cloning

**Computer skills:**

R, Word, Excel, Power Point, Corel Draw, Illustrator, Photoshop, Statistica, Statview.

**Languages:**

Fluent in English  
Basic Portuguese, research trips to Brazil  
Basic Spanish

**FUNDINGS AND AWARDS**

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**2012-2014** : Burgundy region funding for equipments and scientific activities (60 000 euros).

**2014** : SYNTHESYS award for morphometric works in collections, National History Museum, London, UK,

**2014** : SYNTHESYS award for morphometric works in collections, Museum für Naturkunde, Berlin, Germany ,

**2011** : SYNTHESYS award for morphometric works in collections, National History Museum, Londres, UK,

**2009** : Mentor Grant, University of Western Illinois (France-USA, 3 000\$)