



## NOTICE

### BASIC INFORMATION

Position available within the research project entitled: “A computational approach to understanding the structural loading of bird wings: implications for flight evolution and biomimetics”, project number PN-III-P4-ID-PCE-2016-0572

**Title\*:** RESEARCH ASISTANT (*Phd student*)

**Offer Description\*:** The role of this job is within the context of the BIRDWING project; the overarching theme of this 30 month research project is to reconstruct the shape of the wings of birds in two- and three-dimensions and to understand the evolution of wings and feathers.

This PhD student project aims to consider the outline of bird wing shapes, including aspect ratio, and how they relate to flight styles across broad phylogeny. This will be accomplished via data collection in museums and by accessing bird carcasses from ornithological societies and collectors. In order to perform this role experience in anatomy, ornithology, biomechanics, and the use of imaging and measuring techniques will be required. The goal of this research project are to: (1) collect a comprehensive data series that encompasses the wing shapes of living birds in two-dimensions (from museum collections and other sources); (2) refine currently available definitions for flight styles in birds; (3) present an analysis of these data in a phylogenetic context, including aspects of the fossil record. The **PhD student** will also be responsible for presenting project outputs at conferences and assisting with writing papers and reports.

**Researcher Profiles \*:** (*se bifează opțiunea dorită*)

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> First Stage Researcher (R1) | <input type="checkbox"/> Recognised Researcher (R2) |
| <input type="checkbox"/> Established Researcher (R3)            | <input type="checkbox"/> Leading Researcher (R4)    |

**Research field \*:**

**Type of Contract\*:**

Job Status \*: Full-time

Hours Per Week\*: 40 hours/week

Application Deadline \*: 25.09.2017

Envisaged Job Starting Date: (se va trece data de începere a activității – opțional)

Is the job funded through a EU Research Framework Programme? \*

Not funded by an EU programme

Is the Job related to staff position within a [Research Infrastructure](#)? (se bifează opțiunea)

How to Apply \*: website

Internal Application form needed (.pdf files) (se bifează opțiunea, dacă este cazul)

## HIRING INFO & WORK LOCATION

Number of positions available\*:

Company/Institute\*: Babeş-Bolyai University, Faculty of Biology and Geology

Department\*: Geology

## REQUIREMENTS

**Required Education Level** (se completează unul sau mai multe câmpuri, după caz)

Main Research Field\*: Biological sciences

Level\*: Master Degree or equivalent

Main Research Field\*: Geosciences

Level\*: Master Degree or equivalent

**Skills/Qualifications:** Paleobiogeology, Evolutionar Biology, Biomechanics

**Specific Requirements:** 2 years research experience, Msc diploma in a relevant discipline

**Required Languages** (se completează unul sau mai multe câmpuri, după caz)

Language \*

Level\*

Language \*

Level\*

**Required Research Experience** (se completează unul sau mai multe câmpuri, după caz)

Research Field \*

Years of Research Experience \*

Research Field \*

Years of Research Experience \*

**ADDITIONAL INFO**

**Website for additional job details:** (câmp opțional)

**Benefits:** (câmp opțional)

**Eligibility criteria:** (câmp opțional)

**Selection process:** (câmp opțional)

**Additional comments:** (câmp opțional)