



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*: Postdoc researcher

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.

The **postdoc** will take responsibility for collecting biomechanical and structural data on bird feathers, mostly from bird carcasses, but also from the fossil record. One key aspect of this project is to understand the internal and external structure of feathers so that these characteristics can be related to (1) function and (2) wing shape. The postdoc will also take responsibility for supervising the work of the project MSc student. In order to perform this role experience in anatomy, ornithology, biomechanics, and the use of high-resolution (and standard) imaging techniques will be required. The goals of this role are to: (1) collect data on feather shapes, internally and externally; (2) determine the nature of the keratin protein that comprises the internal structure of bird feathers; (3) analyze these data in a qualitative framework and feed data into the wider project phylogenetic comparative analyses; (4) supervise the work of the project MSc student. The **postdoc** will also be responsible for presenting project outputs at conferences and assisting with writing papers and reports.

Researcher Profiles *:

- | | |
|---|---|
| <input type="checkbox"/> First Stage Researcher (R1) | <input type="checkbox"/> Recognised Researcher (R2) |
| <input checked="" 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:

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*: 1

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*: PhD or equivalent

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Level*: PhD or equivalent

Skills/Qualifications: Paleobiology, Evolutionar biology, Biomechanics

Specific Requirements: 2 years research experience and at least two peer-reviewd publication

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)