

The Rufford Foundation

Final Report

Congratulations on the completion of your project that was supported by The Rufford Foundation.

We ask all grant recipients to complete a Final Report Form that helps us to gauge the success of our grant giving. The Final Report must be sent in **word format** and not PDF format or any other format. We understand that projects often do not follow the predicted course but knowledge of your experiences is valuable to us and others who may be undertaking similar work. Please be as honest as you can in answering the questions – remember that negative experiences are just as valuable as positive ones if they help others to learn from them.

Please complete the form in English and be as clear and concise as you can. Please note that the information may be edited for clarity. We will ask for further information if required. If you have any other materials produced by the project, particularly a few relevant photographs, please send these to us separately.

Please submit your final report to jane@rufford.org.

Thank you for your help.

Josh Cole, Grants Director

Grant Recipient Details	
Your name	Nicolas Vanlangendonck
Project title	Anthropogenic pressures may cause testosterone secretion by <i>Alouatta palliata</i> and <i>Ateles geoffroyi geoffroyi</i> which would have negative impacts on their health.
RSG reference	
Reporting period	
Amount of grant	£700
Your email address	nicolasvlgd@gmail.com
Date of this report	05/09/2013

1. Please indicate the level of achievement of the project's original objectives and include any relevant comments on factors affecting this.

Objective	Not achieved	Partially achieved	Fully achieved	Comments
Assessing impact of human presence on primate physiology and health			Yes	
Showing a direct link between human pressure and primate physiology		Yes		
Having a better knowledge of the populations of howler monkeys and spider monkeys in north-eastern Costa Rica			Yes	
Marking a correlation between physiology and health in primate		Yes		
Establishing non-invasive protocols to assess health status and level of disturbance on primates.			Yes	
Enhancing further study that will improve conservation of primates and wildlife			Yes	

2. Please explain any unforeseen difficulties that arose during the project and how these were tackled (if relevant).

Not applicable.

3. Briefly describe the three most important outcomes of your project.

Anthropogenic pressures may cause testosterone secretion by *Alouatta palliata* and *Ateles geoffroyi* which would have negative impacts on their health.
See final report.

4. Briefly describe the involvement of local communities and how they have benefitted from the project (if relevant).

Not Applicable

5. Are there any plans to continue this work?

I will continue my work, through a PhD, on other species, the apes, to see if results are comparable.

6. How do you plan to share the results of your work with others?

- By publishing in the 'International Journal of Primatology'
- By putting the final report available online on Rufford and Caño Palma Biological station website.

7. Timescale: Over what period was The Rufford Foundation grant used? How does this compare to the anticipated or actual length of the project?

08/04/2013 to 25/06/2013 as expected

8. Budget: Please provide a breakdown of budgeted versus actual expenditure and the reasons for any differences. All figures should be in £ sterling, indicating the local exchange rate used.

Item	Budgeted Amount	Actual Amount	Difference	Comments
Biological Station Fees	£440	£440	0	
Testosterone ELISA kit	£130	£157	+ £27	Shipment
Cortisol ELISA kit	£130	£157	+ £27	Shipment
Total	£700			

9. Looking ahead, what do you feel are the important next steps?

Continue this study in more locations and define if there is an actual link between human disturbance and testosterone secreted by howler monkey.

10. Did you use The Rufford Foundation logo in any materials produced in relation to this project? Did the RSGF receive any publicity during the course of your work?

Results will be presented on a poster from September 11th to 12th 2013 at the European Federation of Primatologist Conference at Antwerp. Rufford Logo will stand on the poster.