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 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	Andre Monnerat Lanna
Project title	Conservation of the Muriqui (*Brachyteles arachnoides*) along the altitudinal gradient in a biodiversity corridor
RSG reference	20901-1
Reporting period	Final Report
Amount of grant	£4,989
Your email address	andremolanna@gmail.com
Date of this report	15/01/2018

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
Find muriquis groups and register with videos and photos				The muriquis group was found and registered. See photos attached.
Register the home range of muriquis groups				
Test the effectiveness of camera trap for the population assessment and habitat occupation of the Muriqui.				

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

The only major difficulty was the poor success of camera traps in the forest canopy. The main reason is because usually at the tree canopy there is too much wind. Due to the intense movement, the camera records much more frequently, even though there are no animals triggering them. As a result, the batteries and card memory are not sufficient. Nevertheless, we managed to register muriquis' groups by active search more than once. The camera traps were then set at the forest floor level, near the ground, where they recorded a well-preserved mammal community.

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

1) With this project, we have performed the first muriquis study in an important part of the Serra do Mar Corridor in Rio de Janeiro state. We were able to identify three different groups of muriquis occurring in large numbers, including female individuals with offspring. We could identify at least 20 individuals in each social group, but based on previous experiences, we can estimated that the actual size of the population can reach more than 150 muriquis.

2) As described above, there was a low efficiency of the photographic traps to record muriquis in the forest canopy.

3) The photographic traps recorded a very well-structured mammal community. We did not record the three largest mammals that could occur in the area (jaguar, peccary and tapir). These three species are locally extinct and management actions will be required so that these species re-occur in the area.

On the other hand, the community of mammals that still occurs in the area is protected by the large amount of habitat. Further, there is a strong fight against hunting in the áreas, lead by park rangers. We recorded different individuals of pumas, ocelots and large groups of peccary.

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

All of our work was supported by the local community and protected area managers.

A local resident collaborated in the field activities, by opening the trails and suggesting areas to search for muriquis. The results are being shared with the local community. Many are already interested in sharing information and publicising our work in social media.

5. Are there any plans to continue this work?

Yes. As we have found a well-preserved mammal community, new questions have arose regarding the Serra do Mar Biodiversity Corridor. We have recorded many pumas and believe them to be "landscape detectives" on a larger scale. Now we intend to understand the puma movement to assess how the Serra do Mar Corridor is being used by wildlife. The pumas are good models for this as they carry out large displacements. We intend to initiate a study of the ecology of the movement of young males. Young males emigrate from the area where they were born in search of new territories. This displacement will show the path used by the fauna. This way we will be able to compare the path used and suggested in digital models. The result of this comparison will indicate the priority areas for the forest restoration on the Serra do Mar Biodiversity Corridor.

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

We will share the results based on two main strategies. The first one is aimed at the general public and the other at the scientific public.

For the general public we are already sharing the information, with photos and videos on social networks, as mentioned before. We intend to continue these actions, giving more enphasis on the results and presenting detailed information on the species.

For the scientific public we will share the results in congress and scientific articles. These are still in preparation and when they are published we will thank and send a copy to the Rufford Foundation.

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

Resources were used throughout 2017. We were able to purchase equipment and pay the costs of travel for field work.

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
Camera Canon SX 60 HS	597	652.17	+55.17	We bought another model.
Camera Bushnell LowGlow (10 cameras traps)	1590	1604,50	+14.50	
Food for fieldwork (£ 130/month - 12 months)	1560	1517	-43	
Car Fuel (£ 80/month - 12 months)	960	968	+8	
Garmin GPS 64s	266	239	-27	

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

I believe that the first and most importante step now is to understand the mammals that have larger living area and greater displacements. This way we can better understand the Biodiversity Corridor in the Serra do Mar in order to suggest possible strategies for its conservation.

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?

We haven't yet. We do, nevertheless, intend to use it soon. We will inform you about usage.

11. Any other comments?

We appreciate the resources available. Brazil is experiencing a severe financial crisis. Rufford has helped a lot of conservation projects and we have a lot to thank for that. All the communication was always very clear and efficient and this helped us in the development of the project. We hope to continue this partnership so that new questions can be answered and management actions can be implemented to conserve biodiversity in the Atlantic Forest.

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