



EXPLORING BIODIVERSITY IN THE LAND OF THE MAKUSHIS

Winter Intersession BIO 4905X, 6905X Option II

1–14 January 2012

Godfrey R. Bourne, PhD—Zoologist

Karen Redden, PhD—Botanist

www.umsl.edu/studyabroad/winter/guyana.html

Course Description (3 lab credits)

Each of you (7-15) will be conducting visual and auditory censuses of animal and plant species in Guyana to produce a NG Research & Exploration-like article. Your individual research project will be developed in consultation with G. R. Bourne & K. Redden and will be executed at **Karanambu Trust** in the Rupununi savannas. You must employ species diversity indices and natural history information to make sense of your discoveries. Examples of productive areas for exploration are animal community structure and diversity in microecosystems—pools in bromeliads and heliconia (lobster claw) bracts, ant-plant and ant-hopper interactions, plant communities, lichen communities, and the usual, dragonfly, butterfly, ant, fish, lizard, frog, bird communities. **In addition to UMSL tuition & IT fees, each participant must pay a Program Fee of \$1675 to cover expenses in Guyana. It is prudent to have a minimum of US \$100 in cash for your own spending.**

Fly to Guyana on 1–14 Jan 2012

<http://theadventuresofandreasalvador.blogspot.com/>

BOOK YOUR OWN FLIGHTS soon after you've been accepted into the program estimated at \$1,150 for round-trip coach for STL to MIA to GEO. Fly on Sunday, January 1 and return on Saturday, January 14. American Airlines AA 2515 St. Louis (STL) to Miami (MIA) & AA 2007 Miami (MIA) to St. Louis (STL) Caribbean Airlines BW 483/1415 Miami (MIA) to Georgetown (GEO), one stop in Trinidad (POS) flight then becomes BW 1415; and GEO to POS on BW 1414/484, change plane in Trinidad to BW 484 to Miami.

The Program Fee includes airport exit tax from Guyana, primitive accommodations (i.e., living in huts in the rainforest and savanna, cold showers with black-water from a river, using flushing outhouses etc.), all meals (multicultural Guyanese cuisine), overland trip to savanna ecosystem (Karanambu) on the Rupununi River.

For more details, please contact Liz Shabani, Study abroad Coordinator
ShabaniE@umsl.edu

Priority Deadline: 23 September 2011

Final Deadline: 7 October 2011

Bourne GR & Bourne CM (Eds.). 2010.

The CEIBA Reader. Yerfdog Publishing, St. Louis, MO (\$45)

Photos G. R. Bourne 2008©



Giant Otter



Red-billed Toucan

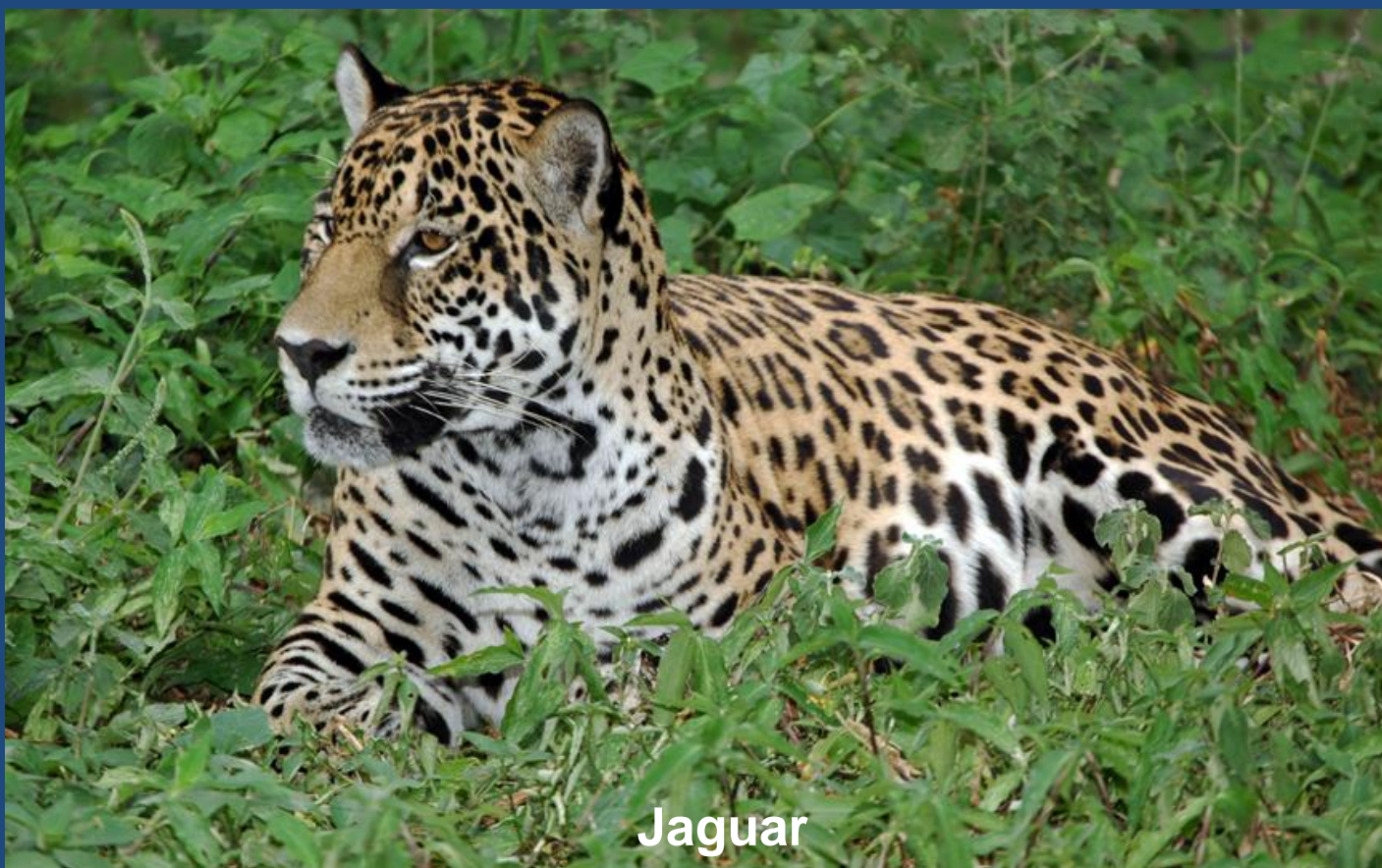


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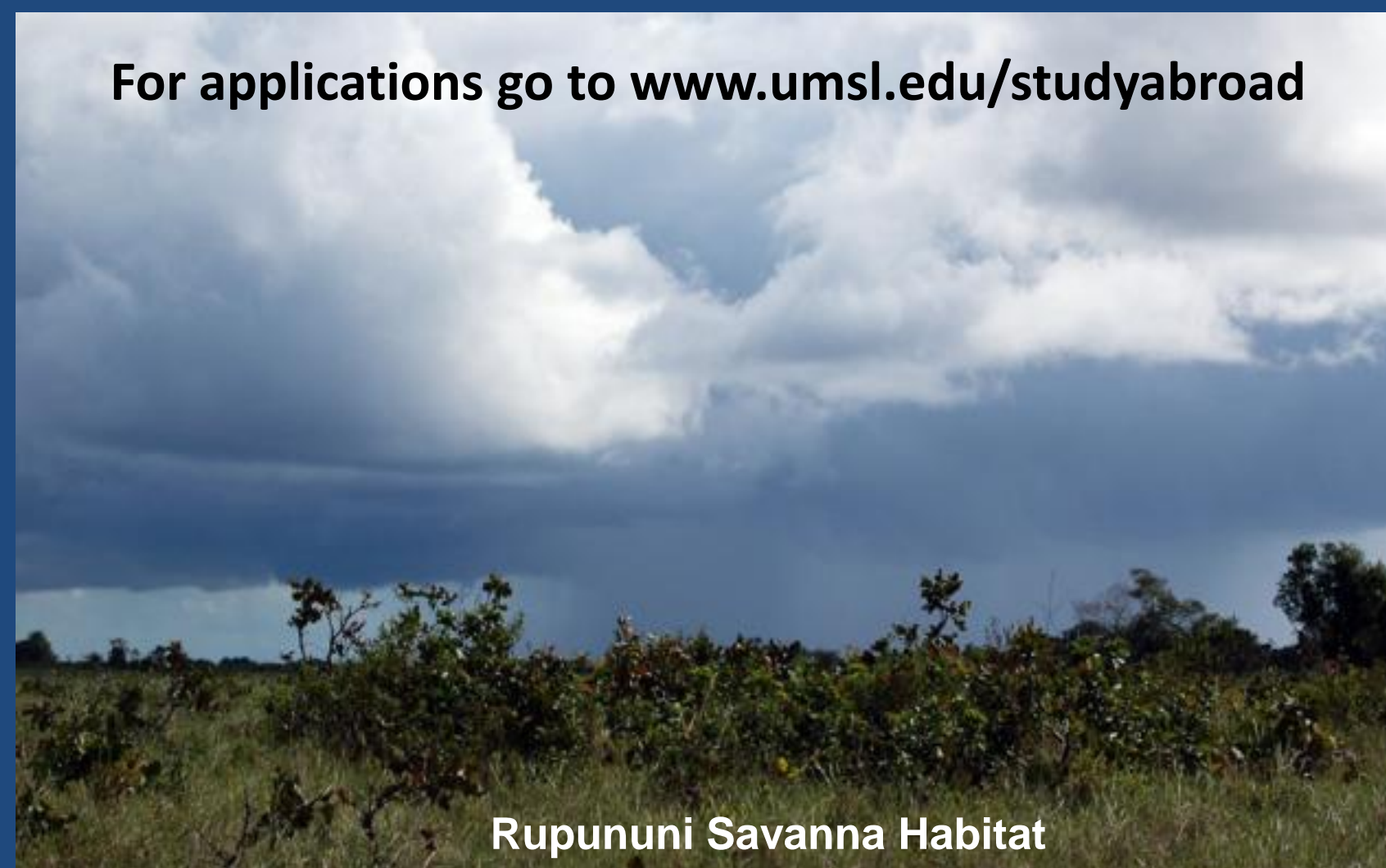


Green Lycid Butterfly

For applications go to www.umsl.edu/studyabroad



Jaguar



Rupununi Savanna Habitat