REPORTE DE PROYECTO **No. de registro DGI: 401782013193**

DATOS DEL RESPONSABLE

NOMBRE: AURELI ---------- FILIPPO **NO. PERSONAL:** 40178
REGIÓN: XALAPA
ENTIDAD ACADÉMICA: INSTITUTO DE NEUROETOLOGIA
AREA ACADÉMICA: INVESTIGACION
DIR. INSTITUCIONAL: AV DR LUIS CASTELAZO AYALA S

DATOS DEL PROYECTO

TÍTULO: RISK AS A KEY COMPONENT OF MALE-MALE SOCIAL RELATIONSHIPS IN SPIDER MONKEYS

RESUMEN: SPIDER MONKEYS ARE RELATIVELY UNDERSTUDIED NEW WORLD PRIMATES, BUT THEY ARE A KEY SPECIES FOR UNDERSTANDING CONVERGENT EVOLUTION AND THE PRINCIPLES UNDERLYING HUMAN SOCIAL EVOLUTION BECAUSE THEY HAVE A SOCIAL SYSTEM SIMILAR TO THAT OF HUMANS AND CHIMPANZEES. THIS PROPOSAL AIMS TO REDRESS THIS GAP OF KNOWLEDGE BY FOCUSING ON A NOVEL ASPECT OF MALE-MALE SOCIAL RELATIONSHIPS AT OUR TWO FIELD SITES IN MEXICO AND COSTA RICA, WHERE THE LONGEST CONTINUOUS PROJECTS ON SPIDER MONKEYS ARE ONGOING. SPIDER MONKEY MALES HAVE TRADITIONALLY BEEN BELIEVED TO STAY IN THEIR NATAL COMMUNITY FOR LIFE AND FORM STRONG SOCIAL RELATIONSHIPS WITH ONE ANOTHER. DISCOVERIES AT OUR FIELD SITES HAVE HOWEVER REVEALED THAT IN ADDITION TO COOPERATING IN TERRITORY DEFENSE, MALES COMPETE WITH ONE ANOTHER IN DRAMATIC WAYS. WE HYPOTHESIZE THAT RISK IS A KEY COMPONENT OF MALE-MALE RELATIONSHIPS TO EXPLAIN THE NOVEL PATTERNS. WE HAVE OBSERVED THE ARRIVAL OF EXTRA-COMMUNITY MALES, WHICH IS RISKY FOR RESIDENT MALES AND MAY LEAD TO COMMUNITY TAKE-OVERS. MALES MAY ALSO BE KILLED OR OSTRACIZED WITHIN THEIR COMMUNITIES AT TIMES OF INTENSE COMPETITION AND MAY RISK LETHAL INJURIES FROM EXTRA-COMMUNITY MALES IF THEIR NUMBER IS NOT SUFFICIENT TO FORM STRONG COALITIONS. THUS, MALES MAY LEAVE THEIR NATAL COMMUNITY TO RE-ENTER IT AT A LATER STAGE OR IMMIGRATE INTO OTHER COMMUNITIES DEPENDING ON THE DEGREE OF RISK. WE WILL USE AN INTERDISCIPLINARY APPROACH INTEGRATING DATA FROM DETAILED BEHAVIORAL OBSERVATIONS, GENETIC INFORMATION, AND LONG-TERM DEMOGRAPHIC RECORDS AT TWO GEOGRAPHICALLY SEPARATE LOCATIONS TO EXAMINE THE FACTORS AFFECTING RISK IN MALE-MALE RELATIONSHIPS.

LGAC: *NOMBRE:* BIOLOGIA DE LA CONDUCTA
CUERPO ACADÉMICO: NEUROETOLOGIA

DURACIÓN: *INICIO:* 7/MAR/2013 *TÉRMINO:* 15/MAR/2015

TIPO: POR CONVOCATORIA
NOMBRE DE LA CONVOCATORIA: SCIENTIFIC RESEARCH GRANT OF THE COMMITTEE FOR RESEARCH AND EXPLORATION
NOMBRE DE LA INSTITUCIÓN U ORGANISMO: NATIONAL GEOGRAPHIC SOCIETY

FUENTES DE FINANCIAMIENTO:

FUENTE EXTERNA	NOMBRE	MONTO
FUENTES INTERNACIONALES	NATIONAL GEOGRAPHIC SOCIETY	$250,000.00

Monto Total = $250,000.00

PARTICIPANTES

ACADÉMICOS DE LA UNIVERSIDAD VERACRUZANA:

NO. PERS.	ACADEMICO	GRADO	ENTIDAD ACADÉMICA	REGIÓN	CORREO ELECTRONICO
40179	SCHAFFNER ------ COLLEEN	DOCTORADO	INSTITUTO DE NEUROETOLOGIA	XALAPA	

PUBLICACIONES

DESCRIPCIÓN	CANT.
ARTÍCULO INDEXADO EN EL ÁMBITO INTERNACIONAL	3

PRODUCTOS COMPROMETIDOS

ARTÍCULO INDEXADO EN EL ÁMBITO INTERNACIONAL - Artículo 1

Publicado
Autor(es): Aureli F., Di Fiore A., Murillo-Chacon E., Kawamura S. and Schaffner C.M.
Título del artículo: Male philopatry in spider monkeys revisited
Nombre de la Revista: American Journal of Physical Anthropology doi: 10.1002/ajpa.22331
De la página: 86
A la página: 95
Editorial: John Wiley Sons, Inc.
Volumen: 152
ISSN: 0002-9483
País: MEXICO
Fecha de publicación 01/08/2013
Dirección electrónica de la revista: http://onlinelibrary.wiley.com/doi/10.1002/ajpa.22
Descripción del artículo: Dispersal patterns are critical for understanding social systems as they influence social interactions and relationships. Spider monkeys (Ateles spp.) are typically described as being characterized by male philopatry and female dispersal, with these
Indice de registro de la revista: Current Contents; MEDLINE/PubMed; Science Citation Index; SCOPUS; Web of Science; Zoological Record
Propósito: Generación de conocimiento

ARTÍCULO INDEXADO EN EL ÁMBITO INTERNACIONAL - Artículo 2

Publicado
Autor(es): Ramos-Fernandez G., Smith Aguilar S.E., Schaffner C.M., Vick L.G. and Aureli F.
Título del artículo: Site fidelity in space use by spider monkeys (Ateles geoffroyi) in the Yucatan peninsula, Mexico
Nombre de la Revista: PLoS ONE: 8(5): e62813
Editorial: Public Library of Science
Volumen: 8
ISSN: 1932-6203
País: MEXICO
Fecha de publicación 13/05/2013
Dirección electrónica de la revista: http://www.plosone.org/article/info%3Adoi%2F10.137
Descripción del artículo: Animal home ranges may vary little in their size and location in the short term but nevertheless show more variability in the long term. We evaluated the degree of site fidelity of two groups of spider monkeys (Ateles geoffroyi) over a 10- and 13-yea
Indice de registro de la revista: PubMed, MEDLINE, PubMed Central, Scopus, Web of Science, Google Scholar, PsycINFO, Zoological Record
Propósito: Generación de conocimiento