



**our PRIMATE HERITAGE**  
**our PRIMATE LEGACY**

EFPP/PSGB INTERNATIONAL CONFERENCE  
8 | 11 Sep 2019 OXFORD

**Sunday September 8**

Venue: The Terrace and Lecture Theatre, John Henry Brookes Building, Headington Campus, Gypsy Ln, Oxford OX3 0BP

15:00 – 17:00 *Registration*

17:00 – 18:00 *Plenary Session*

**The World's Primates: A Global Common Under Threat**

*Alejandro Estrada*

18:00 – 19:00 *Registration*

18:00 – 21:00 *Opening Reception*

**Monday September 9**

Venue: Mathematical Institute, University of Oxford, OX2 6GG

8:00 – 12:00 *Registration*

8:30 – 8:45 *Opening and Welcome Speeches from organising committee, PSGB and EFP*

**1** 8:45 – 9:30 *Plenary Session*

**Lab Cognition Going Wild: Field Experiments on Vervet Monkeys**

*Erica Van de Waal*

**1** 9:30 – 10:30 *Social Ecology*

**Chairs:** Sarie van Belle

9:30 – 9:45 **The Impact of Socio-ecology on Lethal Aggression in a Community of East African Chimpanzees (*Pan troglodytes schweinfurthii*)**

*Gal Badihi, Catherine Hobaite*

9:45 – 10:00 **Social Network Response to Severe Perturbation: A Barbary Macaque Case Study**

*Piotr Fedurek, Richard McFarland, Bonaventura Majolo, Julia Lehmann*

10:00 – 10:15 **Effect of Group Size and Individual Characteristics on Between-Group Encounters in Primates**

*Bonaventura Majolo, Aurora De Bortoli Vizioli, Laura Martinez Inigo, Julia Lehmann*

10:15 – 10:30 **Interactions with Humans Reduce Resting and Grooming Time in Commensal Rhesus Macaques (*Macaca mulatta*)**

*Stefano S. K. Kaburu et al.*

**2** 9:30 – 10:30 *Symposium: Human Understanding of Primate Signals*

**Chair:** Thibaud Gruber

9:30 – 9:45 **The Great Ape Gesture Dictionary**

*Kirsty E. Graham, Catherine Hobaite*

9:45 – 10:00 **A Gestural Repertoire of 1- to 2-year-old Human Children: in Search of the Ape Gestures**

*Verena Kersken, Juan-Carlos Gómez, Ulf Liszkowski, Adrian Soldati, Catherine Hobaite*

10:00 – 10:15 **Emotion Processing in *Homo* and *Pan***

*Mariska Kret*

10:15 – 10:30 **What Can Chimpanzee Vocalisations Tell Human Listeners?**

*Roza Kamiloğlu, Katie Slocombe, Daniel Haun, Disa Sauter*

**3** 9:30 – 10:30 *Social Learning, Tool Use and Culture*

|          |                      |  |
|----------|----------------------|--|
|          |                      | <p><b>Chairs:</b> Alejandra Pascual-Garrido</p> <p>9:30 – 9:45 <b>Modelling Prehistoric Hunter-Gatherer Networks for the Study of Cultural Evolution</b><br/><i>Valéria Romano, Sergi Lozano, Carolina Cucart-Mora, Magdalena Gómez Puche, Javier Fernández López de Pablo</i></p> <p>9:45 – 10:00 <b>Do Early Rearing Experiences Influence Physical Problem-Solving Skills in Chimpanzees and Bonobos?</b><br/><i>Sofia Forss, Alba Motes-Rodrigo, Claudio Tennie</i></p> <p>10:00 – 10:15 <b>Underground Food Excavation in Captive Chimpanzees: Behavioural Repertoire and Tool Characteristics</b><br/><i>Alba Motes-Rodrigo, Parandis Majlesi, Travis Rayne Pickering, Matthias Laska, Claudio Tennie, Adriana Hernandez-Aguilar</i></p> <p>10:15 – 10:30 <b>Cracking the Puzzle: Reconstructing Nut-Cracking Sites of Western Chimpanzees Using Phytolith Analyses</b><br/><i>Caroline Phillips, Katarina Almeida-Warren, Gen Yamakoshi, Marion Bamford</i></p>   |
|          |                      | <b>10:30 – 11:00 Coffee Break</b>  |
| <b>1</b> | <b>11:00 – 12:15</b> | <p><b><i>Social Ecology (continued)</i></b></p> <p><b>Chairs:</b> Sarie van Belle</p> <p>11:00 – 11:15 <b>Longitudinal Chimpanzee Social Networks Using Deep Learning</b><br/><i>Daniel Schofield, Josh Firth, Tetsuro Matsuzawa, Misato Hayashi, Dora Biro, Susana Carvalho</i></p> <p>11:15 – 11:30 <b>Intra-Group Behavioural Changes in Consequence of Inter-Group Encounters in Javan Gibbons (<i>Hylobates Moloch</i>)</b><br/><i>Yoonjung Yi, Claudia Fichtel, Erick Kim, Jae C. Choe</i></p> <p>11:30 – 11:45 <b>How to Be the New Guy? Strategies of Unflanged Sumatran Orangutans (<i>Pongo abelii</i>) to Cope with a New Environment after Dispersal</b><br/><i>Olivia Wassmer, Beatrice Ehmman, Joshua Reukauf, Puji Rianti, Michael Krützen, Caroline Schuppli</i></p> <p>11:45 – 12:00 <b>Comparing Social Tolerance Between Wild and Captive Common Marmosets (<i>Callithrix jacchus</i>)</b><br/><i>Francisco de Oliveira Terceiro, Débora Silva, Arrilton Araújo, Judith Burkart</i></p> <p>12:00 – 12:15 <b>Female Dispersal Patterns in Western Lowland Gorillas</b><br/><i>Marie L. Manquette, Andrew M. Robbins, Thomas Breuer, Emma J. Stokes, Richard Parnell, Martha M. Robbins</i></p> |
| <b>2</b> | <b>11:00 – 12:00</b> | <p><b><i>Symposium: Human Understanding of Primate Signals (continued)</i></b></p> <p><b>Chair:</b> Thibaud Gruber</p> <p>11:00 – 11:15 <b>A Comparative Approach to Human Recognition of Emotions Using Acoustic Properties of Human and Non-Human Primate Vocalisations</b><br/><i>Thibaud Gruber, Coralie Debracque, Katie Slocombe, Zanna Clay, Didier Grandjean</i></p> <p>11:15 – 11:30 <b>Neural Correlates and Comparative Approach to Affective Primate Vocalisations</b><br/><i>Coralie Debracque, Leonardo Ceravolo, Katie Slocombe, Zanna Clay, Thibaud Gruber, Didier Grandjean</i></p> <p>11:30 – 11:45 <b>The Importance of Context and Interaction for the Extraction of Information from Unknown Signals</b><br/><i>Christine Sievers</i></p> <p>11:45 – 12:00 <b>Summary Symposium</b><br/><i>Disa Sauter</i></p>  |
| <b>2</b> | <b>12:10-12:30</b>   | <p><b><i>Speed Talk Session Cognition</i></b></p> <p><b>Chair:</b> Patrick Tkaczynski</p>  |

- 12:10 – 12:15 **Testing Cognitive Aspects of ‘Group Personality’ in Common Marmosets (*Callithrix jacchus*): Does Social Environment Affect the Individual Variation in Learning?**  
*Vedrana Šlipogor, Christina Graf, Jorg J.M. Massen, Thomas Bugnyar*
- 12:15 – 12:20 **Social Antecedents and Consequences of Rhythmic Behaviours in Chimpanzees (*Pan Troglodytes*)**  
*Gabriela-Alina Sauciuc, Karl Johan Klang, Jagoda Zlakowska, Rasmus Bååth, Tomas Persson*
- 12:20 – 12:25 **Prosociality Enhances Cooperation in Common Marmosets (*Callithrix jacchus*)**  
*Jordan S. Martin, Sonja E. Koski, Thomas Bugnyar, Adrian V. Jaeggi, Jorg J. M. Massen*
- 12:25 – 12:30 **Comparing Relationship Indices**  
*Alexander Mielke, Liran Samuni*

3

- 11:00 – 12:00 *Reproduction and Health***  
**Chair:** Cédric Girard-Buttoz
- 11:00 – 11:15 **A Holistic Multi-Biomarker Approach to Studying Long-Term Effects of Ageing and Stress: Allostatic Load in Western Lowland Gorillas**  
*Ashley N. Edes, Barbara A. Wolfe, Douglas E. Crews*
- 11:15 – 11:30 **Ecological and Reproductive Correlates of Energy Balance in Wild Moor Macaques (*Macaca maura*) Using C-Peptide Measurements**  
*Lavinia Germani, Cédric Girard-Buttoz, Michael Heistermann, Putu Oka Ngakan, Monica Carosi*
- 11:30 – 11:45 **Read My Lips: Does Woman Lips Colouration Contain Information About the Timing of Ovulation?**  
*Lucie Rigaiil*

12:30 – 14:00 Lunch Break

1

- 14:00 – 14:45 *Plenary Session***  
**Genomic Data Reveal Surprising Patterns of Lineage Diversification in Madagascar’s Mouse Lemurs (Genus, *Microcebus*)**  
*Anne D. Yoder*

1

- 14:45 – 16:00 *Symposium: Technological Origins: Primate Perspectives and Early Tool Use in Africa***  
**Chairs:** Susana Carvalho, David R. Braun; **Discussant:** Robert A. Foley
- 14:45 - 15:00 **Primate Bifocals: Evolutionary Frames, Etho-Archaeological Lenses**  
*Jeanne Sept*
- 15:00 – 15:15 **How much older than the Oldowan? Tool Use and Manufacture in the Last Common Ancestor of *Pan* and *Homo***  
*Susana Carvalho, Campbell Rolian*
- 15:15 – 15:30 **Tool Use in the African Apes and Human Hunter-gatherers: Comparative Human and Ape Technology (CHAT) Project**  
*Kathelijne Koops, Andrea Migliano, David Morgan, Crickette Sanz*
- 15:30 – 15:45 **On the Pliocene Origins of Stone Tool Use**  
*Shannon P. McPherron*
- 15:45 – 16:00 **Teaching and Prosocial Helping in the Tool Use of Wild Chimpanzees (*Pan troglodytes*)**  
*Stephanie Musgrave, Elizabeth Lonsdorf, David Morgan, Crickette Sanz*

2

- 15:00 – 16:00 *Conservation 1***  
**Chairs:** Maureen McCarthy
- 15:00 – 15:15 **Deforestation Projections Imply Range-wide Population Decline for Critically Endangered Bornean Orang-utan**

- Maria Voigt et al.*
- 15:15 – 15:30 **The Effect of Ecotourism on a Nocturnal Primate**  
*Sharon Gursky*
- 15:30 – 15:45 **Utilising Drone Technology in Primatology for 3D Mapping**  
*Christopher Marsh, Ross Hill, Matt Nowak, Abdullah, Amanda Korstjens*
- 15:45 – 16:00 **Understanding the Impacts of Deforestation and Road Infrastructure Development on Chimpanzees Outside Protected Areas**  
*Tatyana Humle, Rosa Garriga, Luna Cuadrado, Eleanor Rankin, Ignasi Marco, Encarna Casas-Díaz, Pelayo Acevedo, Christelle Colin, Bala Amarasekaran*

- 3** 15:00 – 16:00 **Symposium: Battery Tests of Primate Cognition: A Counter Reply from Field Primatology**  
**Chairs:** Sarie Van Belle, Miguel de Guinea, Hanuel Jang, Karline R.L. Janmaat
- 15:00 – 15:15 **Methodologies in Primate Spatial Cognition: Where Do We Stand?**  
*Sarie Van Belle, Miguel de Guinea, Hanuel Jang, Karline R.L. Janmaat*
- 15:15 – 15:30 **When Less is More: Strategies to Reduce Cognitive Load in Black Howler Monkeys (*Alouatta pigra*)**  
*Miguel de Guinea, Alejandro Estrada, Karline R.L. Janmaat, K.A.I. Nekaris, Sarie Van Belle*
- 15:30 – 15:45 **Cognitive Insights from Large-scale Ranging Patterns: Male Dispersal Can Affect Dynamics of Home-range Overlap Between Neighbours in Baboons**  
*Julien Collet, Nathalie Pettorelli, Alice Baniel, Alecia J. Carter, Elise Huchard, Andrew J. King, Alexander E.G. Lee, Harry H. Marshall, Dora Biro, Guy Cowlshaw*
- 15:45 – 16:00 **Comparison on Large-Scale Spatial Performances of Human Foragers and Chimpanzees in Tropical Rainforests**  
*Haneul Jang, Christophe Boesch, Roger Mundry, Simone D. Ban, Karline R.L. Janmaat*

**16:00 – 16:30 Coffee Break**

- 1** 16:30 – 17:30 **Symposium: Technological Origins: Primate Perspectives and Early Tool Use in Africa (continued)**  
**Chairs:** Susana Carvalho, David R. Braun; **Discussant:** Robert A. Foley
- 16:30 – 16:45 **Variability in Core Rotation Strategies Among the Earliest Stone Tool Makers**  
*Will Archer, David Braun, Shannon McPherron*
- 16:45 – 17:00 **Earliest known Oldowan Artifacts at >2.58 Ma from Ledi-Geraru, Ethiopia, Highlight Early Technological Diversity**  
*David R. Braun et al.*
- 17:00 – 17:15 **Object Manipulation and Play Behaviour by Wild Chacma Baboons (*Papio Ursinus*) in Gorongosa National Park: Comparisons with Apes and Implications for the Evolution of Primate Tool Use**  
*Dora Biro, Zara Ahmad, Kathelijne Koops, Rassina Farassi, Lynn Lewis-Bevan, Philippa Hammond, Susana Carvalho*
- 17:15 – 17:30 **Summary Symposium**  
*Robert A. Foley*

- 2** 16:30 – 17:30 **Conservation 1 (continued)**  
**Chairs:** Maureen McCarthy
- 16:30 – 16:45 **Chimpanzee Biogeography Inferred from Genetic Diversity and Effective Migration**  
*Jack D. Lester et al.*
- 16:45 – 17:00 **Another Dimension to Primate Conservation: Human Impact Reduces Behavioural Diversity in Wild Chimpanzees**  
*Ammie K. Kalan*
- 17:00 – 17:15 **Lemur Hunting in South-East Madagascar: Perspectives of the Hunter and Hunted**  
*Claire Cardinal, Catherine M Hill, Giuseppe Donati*

17:15 – 17:30 **An Introduction to the Great Ape Welfare Group (Gawg) and Consideration of How We Can Translate Our Research to Ensure Optimal Outcomes for the Wellbeing and Conservation of Captive and Wild Great Apes**

*Susannah Thorpe, Alexander Weiss, Alison Fletcher, Rebeca Garcia, Holly Farmer, Kirsten Pullen*

**3**

**16:30 – 17:30** ***Symposium: Battery Tests of Primate Cognition: A Counter Reply from Field Primatology (continued)***

**Chairs:** Sarie Van Belle, Miguel de Guinea, Hanuel Jang, Karline R.L Janmaat

16:30 – 16:45 **HARAM and the Spatial Mapping in Wild Primate Navigation**

*Andrea Presotto, Caitlin Curry, Patricia Izar*

16:45 – 17:00 **Modeling Encounter-Conditional Search Using Annotated GPS Tracking Data**

*Cody Ross, Luis Pacheco-Cobos, Bruce Winterhalder*

17:00 – 17:15 **Don't Let it Be too Observational - How Inference from Observational Studies can Benefit from Careful Planning of the Data Collection and/or Analysis**

*Roger Mundry*

17:15 – 17:30 **Summary Symposium**

*Karline R.L. Janmaat*

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**17:30 – 19:00 Poster Session**

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8 | 11 Sep 2019 OXFORD

**Tuesday September 10**

Venue: Mathematical Institute, University of Oxford, OX2 6GG

|          |                     |  |
|----------|---------------------|--|
| <b>1</b> | <b>8:30 – 9:15</b>  | <b>Plenary Session</b><br><b>Opportunities for Asian conservation in the Anthropocene</b><br><i>Erik Meijaard</i>  |
| <b>1</b> | <b>9:30 – 10:30</b> | <b>Symposium: What Works, and What Doesn't Work? The Challenge of Creating Effective Applied Conservation Research in Human-Modified Habitats</b><br><b>Chairs:</b> Aimee S. Oxley, Giuseppe Donati<br>9:30 – 9:45 <b>Developing an Evidence-Based Conservation Strategy for Cantanhez National Park, Guinea-Bissau</b><br><i>Kimberley J Hockings, Hellen Bersacola, Joana Bessa, Tania Minhos, Marina Ramon, Hannah Parathian, Amelia Frazao-Moreira</i><br>9:45 – 10:00 <b>Orang-utans in the Anthropocene</b><br><i>Serge Wich</i><br>10:00 – 10:15 <b>Using Utilitarian Plants for Lemur Conservation</b><br><i>Cathlin Konersmann et al.</i><br>10:15 – 10:30 <b>Does Conservation Need or Want Habitat Suitability Research?</b><br><i>Amanda Korstjens, Helen Slater, Kelly van Leeuwen, Chris Marsh, Ross Hill</i>  |
| <b>2</b> | <b>9:30 – 10:30</b> | <b>Symposium: Primate archaeology, developments of a new research field</b><br><b>Chairs:</b> Lydia V. Luncz, Katarina Almeida-Warren; <b>Discussant:</b> Susana Carvalho<br>9:30 – 9:45 <b>The archaeology of white-faced capuchins (<i>Cebus capucinus</i>) stone tool use</b><br><i>Tamara Dogandzic, Brendan J. Barrett, Claudio M. Monteza-Moreno, Meredith Carlson, Nicolas Zwyns, Margaret Crofoot</i><br>9:45 – 10:00 <b>A Home Range Approach to the Ecology of Site Selection in Wild Chimpanzee Nut-Cracking</b><br><i>Katarina Almeida-Warren, Tetsuro Matsuzawa, Susana Carvalho</i><br>10:00 – 10:15 <b>Diversity of Stone Tools Between Long-Tailed Macaque Populations</b><br><i>Lydia V. Luncz, Mike Gill, Magdalena S. Svensson, Tomos Proffitt, Lars Kulik, Suchinda Malaivijitnond</i><br>10:15 – 10:30 <b>3000 Years of Wild Capuchin Stone Tool Use</b><br><i>Tomos Proffitt, Tiago Falótico, Richard Staff, Eduardo Ottoni</i>                            |
| <b>3</b> | <b>9:30 – 10:30</b> | <b>Development</b><br><b>Chair:</b> Barbara Tiddi<br>9:30 – 9:45 <b>The Development of Sex Differences in Diet Repertoires and Social Learning Biases in Wild Bornean Orangutans</b><br><i>Caroline Schuppli, Julia Mörchen, Suci Utami Atmoko, Carel van Schaik, Maria van Noordwijk</i><br>9:45 – 10:00 <b>Longitudinal Analysis of Empathy Development in Sanctuary-living Bonobos (<i>Pan paniscus</i>)</b><br><i>Zanna Clay, Stephanie Kordon, Elisabeth HM Sterck, Frans BM de Waal</i><br>10:00 – 10:15 <b>Mum's the Word: The Lasting Impacts of Maternal Loss on Offspring Survival, Growth and Reproductive Success in Wild Chimpanzees</b><br><i>Patrick Tkaczynski, Liran Samuni, Ruth Sonnweber, Tobias Deschner, Linda Vigilant, Therese Löhrrich, Roman M. Wittig, Catherine Crockford</i><br>10:15 – 10:30 <b>Ontogeny of Locomotion in Mouse Lemurs: Behaviour and Performance</b><br><i>Grégoire Boulinquez-Ambroise, Anthony Herrel, Emmanuelle Pouydebat</i> |

10:30 – 11:00 Coffee Break

|               |               |   |
|---------------|---------------|---|
| 1             | 11:00 – 12:00 | <b>Symposium: What Works, and What Doesn't Work? The Challenge of Creating Effective Applied Conservation Research in Human-Modified Habitats (continued)</b><br><b>Chairs:</b> Aimee S. Oxley, Giuseppe Donati   |
|               | 11:00 – 11:15 | <b>Coffee for Conservation: Promotion of Organic and Wildlife Friendly Practices Among Farmers at Cipaganti, Java, to Protect Local Biodiversity</b><br><i>Marco Campera, Michela Balestria, Muhammad Ali Imron, K.A.I. Nekarlis</i>  |
|               | 11:15 – 11:30 | <b>Including People in Primate Conservation: How Ethnography Makes a Difference</b><br><i>Siân Waters, Ahmed El Harrad, Sandra Bell, Joanna M Setchell</i>  |
|               | 11:30 – 11:45 | <b>Effects of Anthropogenic Noise on Pygmy Marmosets (<i>Cebuella pygmaea</i>) in the Peruvian Amazon</b><br><i>Sarah Papworth, Rebecca Sheehan, Millie Hawkins, Larissa Barker</i>   |
|               | 11:45 – 12:00 | <b>The Application of Behavioural Studies for the Effective Management of Cape Peninsula Baboons in a Human-Changed Habitat</b><br><i>Anna Bracken, Ines Fürtbauer, Charlotte Christensen, Gaele Fehlmann, Mark D. Holton, Phil W. Hopkins, Justin M. O'Riain, Andrew J. King</i>   |
|               | 2             | 11:00 – 12:00   |
| 11:00 – 11:15 |               | <b>The Effect of Raw Material Quality on Primate Anvils</b><br><i>Adrián Arroyo, Lydia V. Luncz, Tiago Falótico, Tomos Proffitt</i>   |
| 11:15 – 11:30 |               | <b>Probe Tool Use in Capuchin Monkeys</b><br><i>Tiago Falótico</i>  |
| 11:30 – 11:45 |               | <b>Experimental Field Investigations of Cultural Capacities in Tool Using Bearded Capuchins</b><br><i>Rachel L Kendal, Camila Coelho, Clara Corat, Eduardo Ottoni</i>   |
| 11:45 – 12:00 |               | <b>Summary Symposium</b><br><i>Susana Carvalho</i>  |
| 2             |               | 12:10 – 12:30   |
|               | 12:10 – 12:15 | <b>Baboon Survivorship and Group Demography Following Cyclone Idai</b><br><i>Lynn Lewis-Bevan, Philippa Hammond, Dora Biro, Susana Carvalho</i>   |
|               | 12:15 – 12:20 | <b>Investigating <i>Papio sp.</i> Genetic Variation and Gene Flow in Gorongosa, Mozambique, to Improve the Understanding of Introgression or Admixture Processes Between Baboons Species in the Top End of the Great Rift Valley</b><br><i>Maria Ferreira da Silva, Paula Tralma, Felipe I. Martinez, Cristian Capelli, Susana Carvalho &amp; the Paleo-Primate Project</i> |
|               | 12:20 – 12:25 | <b>Late Miocene Primates and the Biogeography of Hominin Origins: A Role for the Unknown South?</b><br><i>René Bobe, Susana Carvalho, Paleo-Primate Project Gorongosa team</i>  |
|               | 12:25 – 12:30 | <b>From Extant Morphotypes to Extinct Morphotypes</b><br><i>François Druelle</i>  |
|               | 3             | 11:00 – 12:00   |
| 11:00 – 11:15 |               | <b>Dominance Style and Vocal Communication in Primates</b><br><i>Eithne Kavanagh et al.</i>   |
| 11:15 – 11:30 |               | <b>Tracing the origins of language: syntactical rules and combined contexts in common marmoset vocalisations</b><br><i>Meike K. Zehm, Tonko W. Zijlstra, Esther Clarke, Carel ten Cate</i>  |



- 11:30 – 11:45 **Information Transmission in Common Marmosets (*Callithrix jacchus*): Do Vocalisations Produced in Predator or Food Contexts Influence the Behavioural and Physiological State of Naïve Individuals?**  
*Julia Victoria Grabner, Vedrana Šlipogor, Thomas Bugnyar*
- 11:45 – 12:00 **Saying Goodbye to the Methodological Conundrum of Studying Leave-Taking**  
*Lucy Baehren, Harvey Whitehouse, Susana Carvalho*

**3 12:10 – 12:30 *Speed Talk Session Communication***

**Chairs:** Kirsty Graham

- 12:10 – 12:15 **Distinguishing Variants of Primate Facial Expressions Using the Facial Action Coding System for Macaques (*MaqFACS*)**  
*Peter Clark, Bridget Waller, Eglantine Julle-Danière, Jérôme Micheletta*
- 12:15 – 12:20 **Free Vocal Expressivity in Young Chimpanzees**  
*Derry Taylor, Guillaume Dezechache, Marina Davila-Ross, Erik Gustafsson*
- 12:20 – 12:25 **Translocation Experiments Reveal that Vocal Dialects in Common Marmosets are Most Likely the Result of Vocal Learning**  
*Yvonne Zürcher, Erik P. Willems, Judith M. Burkart*
- 12:25 – 12:30 **Facial and Bodily Emotion Perception in Humans and Bonobos**  
*Yena Kim, Mariska Kret, Thomas Bionda*

**12:30 - 13:30 PSGB General Meeting (Room 1)**

**12:30 – 14:00 Lunch**

**1 14:00 – 14:45 *Plenary Session***

**Plants of the Apes. Towards an Archaeology of the Perishable**

*Alejandra Pascual-Garrido*

**1 15:00– 16:00 *Ecology***

**Chair:** Kathelijne Koops

- 15:00 – 15:15 **Guenons in Islands: Species Occurrence and Baseline Genetic Assessment of Insular Populations of the Western Spot-nosed Guenon in the Bijagós Archipelago, Guinea-Bissau**  
*Ivo Colmonero-Costeira, Tania Minhós, Maria Joana Ferreira da Silva*
- 15:15 – 15:30 **Double Jeopardy: The Effects of Resource Availability and Predation Pressure on Cortisol and Activity Budgets in Captive Marmosets**  
*Judith. M. Burkart, Andrea Strasser, Michael Heistermann*
- 15:30 – 15:45 **Dynamic Landscapes of Fear: Effects of Habitat-heterogeneity, Seasonality, and Predator Diversity on a Population of Chacma Baboons (*Papio ursinus*)**  
*Philippa Hammond, Kaitlyn Gaynor, Paola Bouley, Susana Carvalho*
- 15:45 – 16:00 **Social, Ecological, and Abiotic Factors Influence Movement in a Nocturnal Primate**  
*Stephanie A. Poindexter, Muhammad Ali Imron, K.A.I. Nekaris*

**2 15:00– 16:00 *Evolution***

**Chairs:** Maria Ferreira da Silva

- 15:00 – 15:15 **Fossils, Satellites, and Drones: Developing a Geospatial Palaeontology across the Paleocene-Eocene Boundary in Southwestern Wyoming**  
*Robert Anemone, Charles Emerson*
- 15:15 – 15:30 **Hand-eye Coordination? Weak Evidence that Manual Manipulation Favours Increased Binocular Vision in Primates**  
*Brandon C. Wheeler, Sandra A. Heldstab, Biren A. Patel, Jason M. Kamilar*
- 15:30 – 15:45 **Mammalian Diversification at the Species and Subspecies Level: do Primates Follow the Rules?**  
*Laura van Holstein, Robert Foley*



15:45 – 16:00 **Filling Gaps in Primate Evolution: Machine Learning Approaches for Automated Fossil Site Discovery in Gorongosa, Mozambique**  
*João d'Oliveira Coelho, Robert L. Anemone, Susana Carvalho*

**3 15:00– 16:00** **Conservation 2**

**Chairs:** Stefano S.K. Kaburu

15:00 – 15:15 **Use of Automated Image Analysis to Monitor Primates in Captivity and in the Wild**  
*Claire Witham, Grace Chandler, Bethany Howe, Alexander V. Georgiev*

15:15 – 15:30 **A Global Analysis of Exposure Risk of Primates to Climate and Land Use Changes**  
*Joana S. Carvalho, Bruce Graham, Hugo Rebelo, Gaëlle Bocksberger, Christoph F. J. Meyer, Serge Wich & Hjalmar S. Kühl*

15:30 – 15:45 **Canopy Camera Traps as an Efficient Tool to Advance Neotropical Primate Monitoring and Conservation**  
*Mariane C. Kaizer, Allan McDevitt, Christopher Sutherland, Thiago H.G. Alvim, Fabiano R. Melo, Jean P. Boubli, and Robert J. Young*

15:45 – 16:00 **Investigating the Impact of Forest Fires on The Population of Müller's Gibbons (*Hylobates Muelleri*) in Sungai Wain Protection Forest, East Kalimantan, Indonesia**  
*Toby Pilkington, Susan Cheyne, Graham Usher, Agusdin, David Fernandez, Gabriella Fredriksson*

**4 15:00 – 16:00** **Workshop: What Works, and What Doesn't Work? The Challenge of Creating Effective Applied Conservation Research in Human-Modified Habitats**

**Chairs:** Aimee S. Oxley, Giuseppe Donati, Catherine Hill

**16:00 – 16:30 Coffee Break**

**1 16:30 – 17:00** **Ecology (continued)**

**Chair:** Kathelijne Koops

16:30 – 16:45 **The Importance of Olfaction in Assessing Potential Feeding Items for a Nocturnal, Folivorous Lemur, *Avahi Meridionalis***  
*Rachel Sawyer, Tolotra Ranaivoson, David Walker, K.A.I. Nekarlis, Stefano Vaglio<sup>e</sup>, Giuseppe Donati*

16:45 – 17:00 **Population Density of the Northern Lesser Galago, *Galago senegalensis*, in Fongoli, Senegal and Lolldaiga Hills Ranch, Kenya**  
*Grace Ellison, Christian Devenish, Martin Jones, Bradley Cain, Caroline Bettridge*

**2 16:30 – 17:00** **Evolution**

**Chair:** Maria Ferreira da Silva

16:30 – 16:45 **The Primate Genome Sequencing Initiative: Assessing Primate Genomic Diversity at a Global Scale**  
*Lukas F. K. Kuderna, Joseph D. Orkin, Marta Gut, Ivo Gut, Felipe Ennes, Takashi Hayakawa, Amanda D. Melin, Katerina Guschanski, Jean P. Boubli, Christian Roos, Jeffrey Rogers, Kyle Kai-How Farh, Tomas Marques-Bonet*

16:45 – 17:00 **A Macro-Evolutionary Perspective on Papionini Craniofacial Diversification**  
*Thomas A. Püschel, René Bobe, Felipe Martínez, Paleo-Primate Project Gorongosa team*

**3 16:30 – 16:50** **Speed Talk Session Conservation**

**Chair:** Kimberley Hockings

16:30 – 16:35 **Listen to the People, Hear the Gibbons Sing**  
*Jaima Smith, Elan Juanda, Anton Ario*

16:35 – 16:40 **Animals as natural resources? Primatological research and the responsibility for human communities**  
*Simone Pollo, Cristina Giacoma*

16:40 – 16:45 **The Human Factor in Primate Research**  
*Augusto Vitale, Simone Pollo*

16:45 – 16:50 **Densities of Bornean Orang-utans (*Pongo pygmaeus morio*) in Heavily Degraded Forest and Oil Palm Plantations in Sabah, Borneo**

*Dave J. I. Seaman, Henry Bernard, Marc Ancrenaz, David Coomes, Thomas Swinfield, David T. Milodowski, Tatyana Humle, Matthew J. Struebig*

|          |                      |   |
|----------|----------------------|---|
| <b>3</b> | <b>17:00 – 17:25</b> | <b>Speed Talk Session Conservation 2</b>  |
|          |                      | <b>Chair:</b> Ravinder Kanda  |
|          | 17:00 – 17:05        | <b>Chimpanzee cultural behaviour in the anthropogenic landscape of Guinea-Bissau</b><br><i>Joana Bessa, Kimberley Hockings, Dora Biro</i>   |
|          | 17:05 – 17:10        | <b>Assessment of welfare and abnormal behaviour of rescued spider monkeys (<i>Ateles geoffroyi</i>) under different housing conditions</b><br><i>Guillermina Jana Hernandez Cruz, Fay Clark</i>   |
|          | 17:10 – 17:15        | <b>Is certifying the trade of captive-bred primates an effective strategy to prevent the illegal trade in Brazil?</b><br><i>Thais Morcatty, Aline S. Tavares, Magdalena S. Svensson, Hani R. El Bizri, K.A.I. Nekaris, Vincent Nijman</i> |
|          | 17:15 – 17:20        | <b>The importance of local ecological knowledge for species conservation: a case study of the lemur community in southeast Madagascar</b><br><i>Elena Račevska, Tsimijaly Hoby Longosoa, Catherine M. Hill, Giuseppe Donati</i>           |
|          | 17:20 – 17:25        | <b>Old Age Primates (Oops): Locomotion and Musculoskeletal Disease in Ageing Populations of Chimpanzees</b><br><i>David Pettifer, Susannah Thorpe, Jackie Chappell, Alice Roberts &amp; Kevin Hunt</i>                                    |
| <b>4</b> | <b>16:30 – 17:30</b> | <b>Workshop: What Works, and What Doesn't Work? The Challenge of Creating Effective Applied Conservation Research in Human-Modified Habitats (continued)</b>  |
|          |                      | <b>Chairs:</b> Aimee S. Oxley, Giuseppe Donati, Catherine Hill  |

**18:30 - 19:00 Drinks St Hugh's College**

**19:00 - 21:00 Banquet St Hugh's College**

**Wednesday September 11**

Venue: G301 and G117 in Gibbs Building, Gipsy Ln, Oxford OX3 0BP, UK

|   |               |  |
|---|---------------|--|
| 1 | 9:00 - 10:00  | <b><i>Osman Hill Lecture and Medal; PSGB Occasional Medal Award</i></b><br><b>Promoting Primate Welfare – Past, Present and Future</b><br><i>Hannah M. Buchanan-Smith</i>  |
| 1 | 10:00 – 11:00 | <b><i>Symposium: Human-Primate Interactions in the Anthropocene</i></b><br><b>Chairs:</b> Siân Waters, Susan M. Cheyne   |
|   | 10:00 – 10:15 | <b>Factors Influencing the Perception of Monkey Crop Foraging by Farmers</b><br><i>Tracie McKinney, Siân Waters, and Kerry Dore</i>  |
|   | 10:15 – 10:30 | <b>Where Have All the Monkeys Gone? Surveying and Reassessing the Long-tailed Macaque (<i>Macaca fascicularis</i>)</b><br><i>Malene F. Hansen, Ventie A. Nawangsari, Karmele L. Sanchez, Susan M. Cheyne, Agustin Fuentes</i>  |
|   | 10:30 – 10:45 | <b>Conservation Across Boundaries - Co-existence of Wild Orang-utans and Oil Palm</b><br><i>Felicity Oram, Hamisah Elahan, Mohamad Daisah Kapar, Waslee Maharan, Henry Bernard, Isabelle Lackman, Marc Ancrenaz, John Payne</i>  |
|   | 10:45 – 11:00 | <b>The Impact of Social Media on the Trafficking of the Small Apes</b><br><i>Susan M. Cheyne</i>   |
| 2 | 10:00 – 11:00 | <b><i>Cognition</i></b><br><b>Chair:</b> Alexander Mielke  |
|   | 10:00 – 10:15 | <b>Chimpanzees outperform bonobos at an experimental cooperative task in the wild: information transfer around a stationary danger</b><br><i>Cédric Girard-Buttoz, Martin Surbeck, Liran Samuni, Patrick Tkaczynski, Christophe Boesch, Barbara Fruth, Roman M. Wittig, Gottfried Hohmann, Catherine Crockford</i> |
|   | 10:15 – 10:30 | <b>Comparative Thanatology of Primates: Exploring the Form and Function of Interactions Towards Dead Conspecifics</b><br><i>André Gonçalves, Susana Carvalho, Masaki Tomonaga</i>  |
|   | 10:30 – 10:45 | <b>Using Thermography to Understand Third-Party Social Evaluation in Cooperatively Breeding Common Marmosets</b><br><i>Rahel K. Brügger, Judith M. Burkart</i>   |
|   | 10:45 – 11:00 | <b>Ability to Attend to Functionally Relevant Features of Objects in Gibbons (<i>Hylobatidae</i>)</b><br><i>Heather Taylor, Clare Cunningham, Scott Hardie, Gabriella Skollar</i>  |

**11:00 – 11:30 Coffee Break**

|   |               |  |
|---|---------------|--|
| 1 | 11:30 – 12:15 | <b><i>Symposium: Human-Primate Interactions in the Anthropocene (continued)</i></b><br><b>Chairs:</b> Siân Waters, Susan M. Cheyne |
|   | 11:30 – 11:45 | <b>First Impressions Matter in Human-Macaque Interactions</b><br><i>Laëtitia Maréchal, Laura Clark, Kay Ritchie, Kevin Butler</i>  |
|   | 11:45 – 12:00 | <b>Using Ethnography in Primatology: Learning from Current Research</b><br><i>Lucy Radford</i>                                     |
|   | 12:00 – 12:15 | <b>Applying an Interdisciplinary-Multispecies Lens to Advocate Conservation that Benefits People and Primates</b>                  |

*Hannah E. Parathian*

2

11:30 – 12:30

*Cognition*

**Chair:** Alexander Mielke

11:30 – 11:45

**Are Monkeys Able to Discriminate Appearance from Reality?**

*Marie Hirel, Constance Thiriau, Inès Roho, Hélène Meunier*

11:45 – 12:00

**Comparison of the *Pan* Social Brain: a Candidate Gene Approach**

*Nicky Staes, Philippe Helsen, Marcel Eens, Jeroen MG Stevens*

12:00 – 12:15

**Decision-Making Under Risk And Regret-Like Emotions In Tufted Capuchin Monkeys (*Sapajus spp.*)**

*Federica Rossi, Serena Gastaldi, Francesca De Petrillo, Elsa Adessi*

12:15 – 12:30

**The Experimental Investigation of Primate Emotions: Disentangling Valence and Arousal**

*Jessie E.C. Adriaense, Sonja E. Koski, Claus Lamm, Thomas Bugnyar*

**12:30 – 12:45 Student Prizes**

**12:45 – 14:00 EFP Assembly**

## Posters

Venue: Mathematical Institute, University of Oxford, OX2 6GG

- 1. Population Status, Threats and Conservation of Bengal slow loris *Nycticebus bengalensis* in Northeast Bangladesh**  
*Hassan Al-Razi, Marjan Maria, Sabir Bin Muzaffar, K.A.I. Nekaris*
- 2. Effect of Age and Sex on Play in Javan Slow Lorises (*Nycticebus javanicus*)**  
*Meg Barrett, M. Ali Imron, Marco Campera, Keely Q. Maynard, K.A.I. Nekaris*
- 3. Vervet Vocal Flexibility in a Landscape of (Little) Fear at Gorongosa National Park**  
*Megan Beardmore-Herd, Susana Carvalho*
- 4. Monkey sick: An Example of Village to Village Knowledge Variance on Zoonotic Diseases and its Implications for Disease Control and Education**  
*Sarah A Bell, Joseph Taylor, Zoe Amieli Coope*
- 5. Do Common Marmosets (*Callithrix jacchus*) take the Other's Needs into Account When Making a Decision? A Prosociality Game to Assess Fairness Concerns in Primates**  
*Ludovica Boggiani, Judith M. Burkart*
- 6. Ultrastructure of Common Chimpanzee (*Pan troglodytes*) Glabrous Skin Sensory Formations**  
*Roberto Cabo, Félix de Paz, Yolanda García-Mesa, Jorge García-Piqueras, Olivia García-Suárez, Juan Francisco Pastor, Jose Antonio Vega*
- 7. Activity Patterns, Diet, Ranging and Strata Use of *Cercopithecus mitis* on a Small Island**  
*Laura Camón, Jana López, Natalia Selles, Sara Soloaga, Isabel Marqués da Silva, Miquel Llorente, R. Adriana Hernandez-Aguilar*
- 8. Touch Supports Visual Recognition of Objects in Capuchin Monkeys (*Sapajus* spp.)**  
*Paola Carducci, Giorgio Manzi, Valentina Truppa*
- 9. Does Energy Budget Manipulation Affect Risk Preferences in Tufted Capuchin Monkeys (*Sapajus* Spp.)?**  
*Filippo Ciacci, Serena Gastaldi, Sarah Brosnan, Francesca De Petrillo, Elsa Adessi*
- 10. UAV Technology as an Effective Tool to Assess Chimpanzee Abundance in Degraded Landscapes**  
*Luna Cuadrado, Rosa Garriga, Bala Amarasekaran, Tatyana Humle*
- 11. Understanding Connection: Effects of Prior Task-Relevant Experience on Understanding Connectivity in Gibbons**  
*Clare L. Cunningham, Heather Taylor, Michéle Schubiger*
- 12. It's Tough at The Top: Sex, Fertility and Stress in Colony Female Olive Baboons**  
*Agnès Daspre, Lyliane Rosetta, Michael Heistermann, Phillis C. Lee*
- 13. Testing for the contagion of play in orang-utans and chimpanzees**  
*Marina Davila-Ross, Daniela Hartmann, Guillaume Dezechache, Sarcha Wheeler, Sarah T. Boysen, Kim A. Bard*
- 14. Chimp See, Chimp Do: The Transmission of a Novel Skill across Two Groups of Chimpanzees**  
*Sarah E. DeTroy, Edwin J. C. van Leeuwen, Josep Call, Daniel B. M. Haun*
- 15. Seasonal variation in pair-bond maintenance behaviour in the Bolivian gray titi monkey, *Plecturocebus donacophilus***  
*Kimberly Dingess*
- 16. Development of Social Interest in Orang-utans over Age and Sex**  
*Beatrice Ehmann, Helvi Musdarlia, Caroline Schuppli*

**17. Using Scents to Improve the Welfare of Primates in Zoos**

*Emily Elwell*

**18. Brief and Rare: Geophagy in Yellow-Tailed Woolly Monkey (*Lagothrix flavicauda*), Peru**

*Vinciane Fack, Sam Shanee, Régine Vercauteren Drubbel, Hélène Meunier, Martine Vercauteren*

**19. How Do Chimpanzees and Children Perceive Other Species' Bodies**

*Jie Gao, Masaki Tomonaga*

**20. Ground vs. Drone: A comparison of methods to survey the Bornean orangutan (*Pongo pygmaeus wurmbii*) population within 8 distinct habitat types in Gunung Palung National Park, West Kalimantan, Indonesia**

*Victoria Gehrke, Elizabeth Barrow, Terri Breedon, Tri Wahyu Susanto, Cheryl Knott*

**21. Considerable overlap between a hybrid macaque group (*Macaca fascicularis* x *M. nemestrina*) and tourist infrastructure at Sepilok Orang-utan Rehabilitation Centre**

*Lauren J. Gilhooly, Ian C. Colquhoun*

**22. Preliminary Results on Behavioural Variation Following Tubectomy Sterilizations in Free-Ranging Female Long-Tailed Macaques (*Macaca Fascicularis*) in Bali (Indonesia)**

*Gwennan Giraud, Marie-Claude Huynen, Damien Broens, Sophie Delooz, Fanny Cloutier, Nengah Wandia, Pascal Poncin, Fany Brotcorne*

**23. Age and sex differences in the early social environment of crested macaque infants**

*Eve Holden, Andre Pasetha, Kirsty E. Graham, Mohammed Agil, Katie Slocombe*

**24. Long-Term Monitoring of Nocturnal Lemur Populations in The Littoral Forests of Sainte Luce, Southeast Madagascar**

*Sam Hyde Roberts, Retsiraiky Jean Rossizela, Vincent Nijman, Giuseppe Donati*

**25. Sleeping Site Selection and Diurnal Activity in the Southern Woolly Lemur (*Avahi meridionalis*)**

*Ellesse Janda, Faranky Ravelomandrato, Giuseppe Donati*

**26. The ManyPrimates Project: A Multinational, Multi-institutional, Multi-species Collaborative Effort to Study Primate Cognition**

*Marine Joly on behalf of ManyPrimates*

**27. The Occurrence and Potential Explanatory Factors of Abnormal Behaviours in Zoo-Living Bonobos**

*Daan Laméris, Steffi Matthyssen, Marina Salas, Nicky Staes, Jeroen Stevens*

**28. A study using the Animal Welfare Assessment Grid (AWAG) to measure quality of life of captive breeding Rhesus macaques at the Medical Research Council Centre for Macaques facility**

*Abigail Liston, Sarah Wolfensohn*

**29. Social tolerance and inhibitory control skills in macaque species**

*Louise Loyant, Bridget Waller, Jerome Micheletta, Marine Joly*

**30. Individuals in urban dwelling primates face unequal costs and benefits associated with living in an anthropogenic environment**

*Pascal R. Marty, Krishna N. Balasubramaniam, Stefano S. K. Kaburu, Brianne Beisner, Eliza Bliss-Moreau, Małgorzata E. Arlet, Brenda McCowan*

**31. Camera Traps Offer a Robust Means for Social Network Analysis in Wild Chimpanzees**

*Maureen S. McCarthy, Marie-Lyne Després-Einspenner, Damien R. Farine, Liran Samuni, Samuel Angedakin, Mimi Arandjelovic, Christophe Boesch, Paula Dieguez, Kristin Haverkamp, Alex Knight, Kevin E. Langergraber, Hjalmar S. Kühl*

**32. Thermal Constraints on Habitat Use in Forest- and Savanna Mosaic-Dwelling Red-tailed Monkeys (*Cercopithecus ascanius*)**

Edward McLester, Michelle Brown, Fiona A. Stewart, Alex K. Piel

**33. Distribution of Nocturnal Primates in Disturbed and Non-Disturbed Areas in Peninsula Malaysia and Brunei Darussalam**

Priscillia Miard, Dayangku Noor Ummitul Afiqah Binti Pengiran Zainalabidin, Ulmar Grafe, Nadine Ruppert, Nik Fadzly Nik Rosely

**34. Action Co-representation as a Primate Universal? The Joint Simon Effect in Tonkean Macaques**

Fabia Miss, H  l  ne Meunier, Judith M. Burkart

**35. Past and Present Populations of the Western Lowland Gorilla: A Multidisciplinary Approach to Conserving a Critically Endangered Primate**

Jaimie Morris, Tony King, Jane Hopper, Rodrigo Vega

**36. Could it be Culture? An Inter-Troop Comparison of Baboon Behaviour in Gorongosa National Park, Mozambique**

Jana Muschinski, Lynn Lewis-Bevan, Dora Biro, Susana Carvalho

**37. Phylogeography and Population Genomics of the Sanje Mangabey (*Cercocebus sanjei*)**

Christina Paddock, Maria Joana Ferreira da Silva, Pablo Orozco-terWengel, Gr  inne McCabe, Michael Bruford

**38. Anterolateral Ligament of the Knee in Chimpanzees (*Pan troglodytes*)**

Juan Francisco Pastor, Josep Mar  a Potau, Aroa Casado, Roberto Cabo

**39. Manipulative Abilities in Great Apes and 5-6 Years Old Children for the Same Tool Use Task: Exploring the Prerequisites of Handwriting**

Ana Phelippeau, Ameline Bardo, Patrick Gouat, Emeline Lempereur, Emmanuelle Pouydebat

**40. Environmental factors and homeostatic need regulate sleep patterns of a nocturnal primate (*Nycticebus javanicus*)**

Kathleen D. Reinhardt, Vladyslav V. Vyazovskiy, R. Adriana Hernandez-Aguilar, Muhammad Ali Imron, K.A.I. Nekaris

**41. Can Breeding Behaviour and Life History Details Predict the Captive Breeding Success of Aye-ayes (*Daubentonia madagascariensis*)? A Novel Use for ZIMS Data**

Elizabeth Roe, Lisa Riley

**42. Spatial Representations of Time in Chimpanzees: A STEARC-Like Effect**

Georgia Sandars, Jie Gao, Tetsuro Matsuzawa

**43. Analysing the Trade and Welfare Status of Pigtailed Macaques (*Macaca nemestrina*) Used to Harvest Coconuts in Southern Thailand**

Devan Schowe, Juan Manuel Jos   Dom  nguez, Tananun Chotprasertkoon, Nauremon Tantipisanuh, Penthai Siriwat, Padcha Chatpongcharoen, Vincent Nijman

**44. Conservation of Novaes' Bald-headed Uakari, *Cacajao calvus novaesi*, Amazon Rainforest, Brazil**

Felipe E. Silva, Andr   L. Ravetta, L  sley P. Lemos, Jean P. Boubli

**45. Female Japanese macaques' personality and friendship in an atypical social environment**

Siiri Sintonen, Lena Pfl  ger, Ryan Sigmundson, Jorg J.M. Massen, Sonja E. Koski

**46. Thriving on Facebook: the online trade of primates in Thailand**

Penthai Siriwat, K.A.I. Nekaris, Vincent Nijman

**47. Learning with Lemurs: evaluating a forest-based conservation education programme**

Kylie M Sorenson, Erik Patel, KAI Nekaris

**48. Do Artificial Food Markets Modify Partner Value in Wild Black Capuchin Monkeys?**

Romina Pfoh, Ilaria Agostini, Mario Di Bitetti, Barbara Tiddi



- 49. Primate Genome Analysis Reveals Two Possible Independent Origins for Trichromatic Colour Vision in Catarrhines**  
*Jessica Toloza-Villalobos, Juan C. Opaz*
- 50. Keep Your Distance: Using Social Media to Evaluate the Risk of Disease Transmission in Gorilla Ecotourism**  
*Gaspard van Hamme, Magdalena S. Svensson, Vincent Nijman*
- 51. Bonobos React to Unequal Payoffs in a Token Exchange Paradigm**  
*Jonas Verspeek, Nicky Staesa, Jeroen Stevens*
- 52. Primate Culture and Conservation**  
*Andrew Whiten, Mimi Arandjelovic, Christophe Boesch, Philippa Brakes, Ammie K Kalan, Hjalmar S Kühl, Martha M Robbins, Christian Rutz*
- 53. Exploring Attentional Bias towards Threatening Faces in Chimpanzees Using the Dot Probe Task**  
*Duncan A. Wilson, Masaki Tomonaga*
- 54. Male Behaviour in Golden Monkeys (*Cercopithecus mitis kandti*) In and Out of the Mating Season in the Volcanoes National Park, Rwanda**  
*Susan Wiper, Winnie Eckardt, Alison Fletcher*
- 55. Characteristics of Food Items Consumed by Chimpanzees and Baboons in the Savanna Woodland of the Nguye Site, Ugalla Area, Tanzania**  
*Midori Yoshikawa, Hideshi Ogawa*
- 56. Ranging Behaviours and Activity Budgets of Rehabilitated and Reintroduced Howler Monkeys**  
*James Parsons, Magdalena S. Svensson, Paul Walker*
- 57. Sleeping Site Selection in Yellow Baboons (*Papio cynocephalus*) in a Savanna Woodland: Issa Valley, Tanzania**  
*Ket Fossen, Alex Piel, Trond Reitan, Fiona Stewart, R. Adriana Hernandez-Aguilar*
- 58. Olfactory signals and fertility in olive baboons (*Papio anubis*)**  
*Stefano Vaglio, Sharon Kessler, David Walker, Joanna M. Setchell*