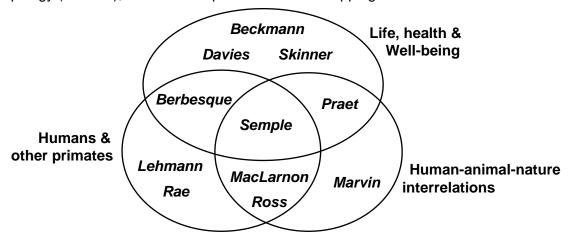


**Institution: University of Roehampton** 

Unit of Assessment: Panel C, UoA 24 Anthropology and Development Studies

#### a. Overview

The submission comprises the work of the Centre for Research in Evolutionary and Environmental Anthropology (CREEA), which encompasses three overlapping research clusters:



CREEA has grown and broadened since 2008: staff and research students in biological, social and psychological anthropology, previously in three separate departments, have come together, and 2.5 FTE new posts have been created. The full group of 11 FTE is submitted here.

#### b. Research Strategy

CREEA's over-arching strategy during the assessment period, and for the next 5 years, is 3-fold: to develop a highly creative centre, based on fundamental disciplines, maximising opportunities for cross-disciplinary collaboration to address anthropological issues; to develop and maintain long-term research programmes; and to fully integrate research students into the research environment.

CREEA developed out of a previous research centre focused exclusively on evolutionary anthropology. Growth has been discipline-bridging and research-based, e.g. bringing together social and biological anthropologists (Marvin, Ross) who had previously jointly supervised PhD research on human-animal interrelations; combining the interests of Beckmann, Davies and Skinner in human health and wellbeing from social perspectives with those of Semple and MacLarnon on behavioural and physiological aspects of stress and resilience; extending previous expertise in extant primate ecology (Lehmann, Ross, Semple) to include living humans and fossil primates (Berbesque, Rae); bridging animal and human worlds examining the anthropology of nature (Praet). These themes interlink all staff in CREEA, as well as research students, who are full members of the centre, participating in all activities.

CREEA's regular calendar includes a weekly seminar series, with internal and external speakers, including inter-disciplinary presentations on topics such as the basis of kinship and the role of zoos. The Centre hosts local workshops and symposia to explore specific themes, e.g. 'Emotion-cognition interactions in humans and non-human animals' (Roehampton 2008), coorganised (Semple) with the Centre for Research in Cognition, Emotion & Interaction (Psychology), attracting participants from Birkbeck, Newcastle, Southampton and Bristol; Gashaka Field days organised (Ross) with UCL (at Roehampton 2011, UCL 2013) bringing together anthropologists, primatologists, botanists, conservation biologists, artists and funders. CREEA also has weekly informal gatherings for the discussion of work-in-progress and recent research; all staff and student members regularly attend, reading preparatory drafts, challenging and querying presentations. These gatherings are key to drawing out the synergies and distinctions of the intellectual traditions from which members come, allowing the group to examine topics from novel perspectives, and to challenge established disciplinary divisions. The informality, and a congenial atmosphere of curiosity and desire to understand the perspectives of others, provide the rare opportunity to explore and debate commonly misunderstood approaches, paradigms and assumptions. From old chestnuts like the relative importance of evolution and culture in shaping human behaviour (AII), to commonalities drawn from social and biological spheres on the use and abuse of pharmaceutical products (Davies, Semple), the gatherings are stimulating and supportive. Our cross-anthropology set-up is only three years old, but already fruitful in terms of emergent projects, e.g. promoting cross-disciplinary work on human-animal interrelations in two



current PhD projects: Barbary macaque tourism in Morocco (supervisors Semple, MacLarnon, Marvin), and human-carnivore interrelations in the Balkans (supervisors Marvin, Praet, Ross); combining human hunter-gatherer and primate field data on fission-fusion societies (Lehmann, Berbesque, grant application pending), and comparative bio-social perspectives on maternal decision making around infant nursing and weaning in East Africa (Beckmann, Berbesque, in preparation). Work on understandings of life and death has been furthered by Praet's engagement in discussions of biological work and its assumptions. Research students enthuse about the insights such open debates provide, including staff and student critique of each other's draft papers and grant proposals, and discussion of topical issues.

The delivery of our research strategy, support mechanisms and outcomes are illustrated for each of our three research clusters:

Human-animal-nature interrelations: In this cluster, innovative work is undertaken by both individuals, and across bio-social anthropology. Our approach to human-animal-nature studies is firmly anchored on expertise in contributory fields, learning about and training students in the diverse methodologies and philosophies involved. Marvin is internationally recognised as a leader of new thinking in human-animal studies. He continues long-term field work on English fox-hunting (e.g. International Journal of Cultural Property); his outputs on human-wolf encounters include Wolf (Reaktion Books), drawing together multiple historical and contemporary human depictions of the perceived evil nature of wolves, and the concerns of ecologists and environmentalists; supported by internal funds, he has returned to his earliest field of bull-fighting, collaborating with Murcian journalist Haro de Mateo. Cross-disciplinary PhD projects are a strong feature of this research cluster, co-supervised by Marvin with colleagues in performance studies, as well as biological and social anthropologists. A combined social-biological PhD project on the Fulani (funded NERC-ESRC; supervisors Marvin, Ross), built on earlier work at our Nigerian field site, Gashaka, on baboon crop-raiding and interactions with local farmers. Work on primate ecotourism (Semple, Marvin, MacLarnon), particularly a PhD project at our Barbary macaque field site in Morocco, uses structured means of integrating analyses and interpretations from ethnography, behavioural observation, health assessment and field endocrinology to tackle issues of conservation only soluble sustainably by considering together the perspectives of the animals, local inhabitants and government policy makers. Another PhD student (supervisors Marvin, Praet, Ross) is working on human-carnivore interrelations in the Balkans, using ethnographic and ecological methodologies. Complementing his recent book, Animism & the Question of Life (Routledge), which investigates non-Western perspectives on what it means to be alive, Praet examines how planetary scientists and astrobiologists address the question of life using a variety of techniques such as spectroscopy, Earth-based experiments in extreme environments, space telescopy and robotic exploration of nearby celestial bodies; he is supported by internal funds to attend astrobiology conferences.

<u>Humans & other primates:</u> Core research programmes continue in behavioural ecology, ecological endocrinology and social network modelling, plus new additions, notably hunter-gatherer ecology and craniofacial evolution. Programmes involve extensive internal and external collaborations, plus specialist internal and/or external facilities.

Many projects conducted on wild and captive primates integrate behaviour with physiology (Lehmann, MacLarnon, Ross, Semple, 9 PhD students) to explore questions relating to stress, energetics and reproduction, and include endocrinological analyses in our specialist hormone laboratory. Main fieldwork sites are in Puerto Rico, Nigeria and Morocco, involving a broad range of collaborators. Other innovative work includes studies exploring universals of animal communication (Semple, Ferrer i Cancho: Politècnica de Catalunya, Hernández: Barcelona), genetic analyses of personality (MacLarnon, Semple, Platt & Brent: Duke), and human female reproductive signalling (Semple, Fischer & Hodges: German Primate Centre, Amir: Tel Aviv). Outputs in: all major primatological and behavioural journals, *Proceedings of the Royal Society Biology Letters, General & Comparative Endocrinology, Hormones & Behaviour, Physiology & Behavior, PLoS ONE, Stress.* 

**Lehmann** conducts ground-breaking research in the use of social network and other modelling approaches in primatology with a range of collaborators. Projects address fundamental questions concerning fission-fusion dynamics (with Bryson: Bath), social complexity and time constraints (with Dunbar: Oxford), cross-species comparisons (with Majolo: Lincoln), networks and survival (with Majolo, Lincoln and McFarland, Pretoria), baboon sociality (**Semple**, co-supervised PhD



student; **Ross**, long-term Gashaka dataset), global warming impacts on primate populations (**Semple**, co-supervised PhD student), and disease transmission (Zuberbühler: Neuchatel; **Semple**, co-supervised PhD student). Outputs in: *Proceedings of the Royal Society, Animal Behaviour, Biological Reviews, Journal of Biogeography, Oikos.* 

**Berbesque** studies the ecology of a living human-forager population, the Hadza, in Tanzania, collaborating particularly with Marlowe (Cambridge) and Doran (Florida State). She was awarded (2010) Best Paper by New Investigator at the American Anthropology Association (Evolutionary Anthropology). Since completing her PhD (2010), she has used Leakey Foundation and internal funding to support fieldwork on the bioarchaeology of this living population, combining behavioural observation with analysis of durable physical evidence of diet and oral health (with **Rae**, M. Skinner: UCL). Related work includes dental and osteological analyses of nutritional and health status of pre-historic hunter-gatherers. Working with complementary expertise in CREEA (**Lehmann**), she is developing novel research on Hadza social networks, and their relationship to stress and health. Outputs in: *Proceedings of the Royal Society, American Journal of Physical Anthropology, Journal of Human Evolution.* 

A research programme on craniofacial evolution is directed by **Rae**, who leads the field in exploring the evolution of the perplexing and little understood craniofacial pneumatisation. The programme also includes PhD projects on hominin sinus morphology (co-supervisors: **MacLarnon**, Stringer: Natural History Museum) and fossil cave bear craniofacial adaptation (co-supervisors: **MacLarnon**, Soligo: UCL). Major facilities are housed at Roehampton, with others accessible through collaborative arrangements. Outputs in: *Anatomical Record*, *Journal of Human Evolution*.

Life, health & wellbeing: CREEA's recent growth has brought together a cluster of researchers with diverse but complementary interests relating to bodily health and mental wellbeing, encompassing social, cultural, and biological perspectives. Strong collaborations in research and student supervision are developing and will be a major focus in the next 5 years. Beckmann and Davies both work on aspects of illness and wellbeing. Beckmann focuses on sexuality and reproductive health, particularly HIV/AIDS. She collaborates with medical professionals at her field site on Zanzibar examining the impact of global health interventions on local realities. She is using a new staff research grant to initiate new multi-country projects about the negotiation of Islamic ethics and bioethics in the design and implementation of public health campaigns, and on the infertility belt in sub-Saharan Africa. **Davies** works on mental wellbeing and suffering, particularly depression. A Santander grant and internal funds supported visits to the USA to conduct interviews with psychiatrists on the development and usage of the Diagnostic and Statistical Manual of Mental Disorders (DSM), to deliver seminars at Columbia, Harvard, the New School and Brown, and to further his research ties with psychological and psychiatric anthropologists. He has supervised the projects of five research students, together with colleagues in Psychology. His recent critique of the pharmaceutical industry and concern with uncritical international extension of the use of DSM to non-western cultures (Cracked, Icon Books, 2013), has attracted widespread attention among policy makers and the media. He has also explored wellbeing in the context of social anthropologists' experience of ethnographic field work. He shares mutual interests with Semple and Skinner, brought out by lively discussion at CREEA gatherings, investigating manifestations of emotional states and negotiations through the life course, and on imagination and wellbeing. Berbesque and Beckmann are developing common interests in reproduction and infant health in East African populations. Praet's contribution to this cluster includes research into South American forms of shamanism and Amerindian conceptions of vitality, growth, and health. His work on comparison of scientific and indigenous conceptions of life and death events provides philosophical interrogation challenging to the work of the whole cluster. Skinner is developing a research project on social dance for successful ageing with immigrant tango dancers in London using new staff research seed money. He has a funded residency at the Centre for US Studies, University of Illinois in autumn 2013. He has a PhD student working on disability and dance (supervised with anthropologists in our Dance Department). The group is highly productive, publishing with British Academy/Oxford University Press, Cambridge University Press, Routledge, Stanford University Press, and Journal of the Royal Anthropological Institute.

# c. People, including:

i. Staffing strategy and staff development



Focused and sustained university support for Anthropology has resulted in growth in this submission from 5 to 11FTE (5 female, 6 male) permanent staff since 2008: 8.5FTE anthropological staff, previously dispersed across 3 departments, were brought together (2010); plus investment in 2.5FTE new and enhanced posts (2009, 2010, 2013). This staged process has been guided by the explicit intellectual aim of creating a broadened group, integrated by interest and curiosity in understanding the academic perspectives of others, whilst strong in its adherence to fundamental disciplines or specialisms. Care is taken that appropriate specialist facilities are available to support the research interests of new staff. Staff strengths have also been recognised through promotions: to Professor (Marvin), to Reader then Professor (Semple), to Reader (Lehmann, Rae). Anthropology now comprises 3 Professors, 3 Readers and 5 Lecturers/Senior Lecturers. Significant new investment has been targeted at earlier career researchers (3.5FTE), ensuring that we sustain a profile across career stages and support those newer to academia.

A peer mentor is appointed for all new staff. Professors are responsible for supporting them to establish their research at Roehampton, for which seed-corn funds of £3000 are provided. All staff are allocated dedicated research time, with maximum flexibility to spread this more or less evenly across the year, supported by a comprehensive workload model and co-operative planning of teaching. A sabbatical term is available for research every 3 years; all staff, bar very recent appointments, have had 1 or 2 sabbatical terms in this period. Further, shorter-term, concentrated research time is arranged for specific activities such as field and research collaboration visits (Berbesque, Tanzania; Davies, USA; Lehmann, Ross, Nigeria; MacLarnon, Marvin, Semple, Morocco; Marvin, Spain, USA; Praet, Germany, Poland, USA; Rae, Japan; Skinner, USA).

All research student supervisors undergo mandatory training, comprising a SEDA-accredited course for new supervisors or a short course for experienced supervisors new to Roehampton, plus at least one session a year from the programme of the Supervisors' Forum. Each research student has two or three supervisors, one of whom has previously supervised to completion, and who is responsible for mentoring inexperienced supervisors.

Staff produce annual research plans, which are discussed and agreed with the research centre director, including consideration of resources required. Small grants are available through CREEA to pump-prime research ideas, for travel for discussions with collaborators, for pilot data collection etc. Funds up to £800 per staff member per year are available to support conference attendance; each research student has £600. Research-related staff development, for example on research information systems, or managing projects, is provided through the University Research Office.

### ii. Research students

Research student numbers have ranged from 10-25 since 2008, and are increasing further as recently recruited staff start to supervise. Internal full studentships have supported 14 students. Others were funded by NERC/ESRC, the German Rotary Club and the Canadian Science Research Council (NSERC). Projects are closely related to the current research interests of supervisors and other students, forming a highly supportive and focused community, and carefully matched with necessary field site access, facilities and equipment. Students are co-supervised outside CREEA for broader interdisciplinary projects with colleagues from elsewhere in the university, for example performance studies, human rights, film studies, health sciences, and externally with colleagues from the German Primate Centre, the Natural History Museum, and UCL. Our research student community is highly international, from Albania, Bahrain, Canada, Chile, Denmark, France, Germany, Greece, India, Ireland, Netherlands, UK, USA.

All research students are members of the University's Graduate School, which provides opportunities for peer networking and social integration, as well as more formal training. Research students have staff-level access to university facilities such as common rooms and IT systems, and individual desk space in the department's research student rooms. In line with the Researcher Development Framework, the Graduate School co-ordinates the University's Research Student Development Programme, a clearly articulated 3-tier programme of training, combining generic and careers-related training, plus interdisciplinary events organised by the Graduate School, research methods training at major disciplinary level (arts & humanities, social sciences, sciences), and departmentally-based specialist subject provision. The Graduate School also provides induction and a buddy system for new students, and supports student-led events such as the annual research student conference. Externally, CREEA research students make particular use of seminars and lectures at the Natural History Museum, UCL and the Zoological Society, as well as the London Evolutionary Research Network. They gain class-, laboratory- and field-based teaching



experience in the department, within a structured mentoring system, attending the university's compulsory SEDA-accredited course for teaching support.

Internal funds have supported research students to attend additional external training, e.g. interpretation of stress responses (Copenhagen), multi-level (Southampton, Germany) and agent-based (Bournemouth) modelling, as well as providing up to £5k for project costs. Students are supported centrally, and with local mentoring, to apply for external project grants. Awards include: IPS (2 grants), Santander, Leakey Trust (5 grants), Conservation International, Primate Conservation International, Percy Sladen Fund (Linnean Society), Charles A. Lockwood Fund (PSGB), North of England Zoological Society.

Students have presented their work at conferences of the Primate Society of Great Britain (PSGB), Congresses of the International Primatological Society (IPS) (Edinburgh, Kyoto), European Federation of Primatology (Antwerp), International Cave Bear Symposium (Paris), and Trends in Stress Biology (Denmark). Students are encouraged to publish their doctoral work in high quality outlets. Outputs include: *Proceedings of the Royal Society, Hormones & Behavior, Behavioural Ecology & Sociobiology, Physiology & Behavior, PLoS ONE, Acta Carsologica Slovaka, American Journal of Primatology, Animal Welfare, International Journal of Primatology, Journal of Emerging Dance Scholarship, Journal of Tropical Ecology, Primates, plus chapters in books on Social Networking: Recent Trends, Emerging Issues and Future Outlook and Climate Models. Students have been recognised by awards: Alberts (Lockwood Medal for best student presentation, PSGB conferences, 2011, 2012); Brent (Napier Medal for best PhD, 2011, PSGB); Buck (best poster, Natural History Museum Research Student Conference, 2010).* 

Anthropological research training at Roehampton is relatively young, but has already been effective in terms of the future careers of PhD students. Our earliest student, Jones (1998), is now Professor at UCL. Students completing recently have progressed onto post-doctoral positions at Bonn, Chicago, Duke, Exeter, Manchester, and Paris, and lectureships at New York University, Liverpool John Moores and St Mary's University College. Others work in the public and voluntary sectors, conservation and policy organisations in Australia, Cameroon, Greece and the UK.

### d. Income, infrastructure and facilities

Our work is supported by multiple grants, as outlined in relation to individual projects and research programmes. In addition, our aim to generate new, collaborative, interdisciplinary research was rewarded by a prestigious Rachel Carson Fellowship awarded to **Praet** to spend 6 months (2012) at the Centre in Munich working on the interface between environment and society. Most recently, a £1.94m, AHRC Science in Culture grant was awarded for work on the anthropology (Roehampton), archaeology, genetics, microbiology and zoology of chickens in collaboration with 5 other universities. Five PhD students at Roehampton will work on projects including cock-fighting in Cuba, women and chickens in Ethiopia, and 'back-garden' chicken husbandry in the UK (supervisors: **Beckmann, Marvin, Praet, Skinner**). Additionally, recent Leverhulme and NC3Rs awards (totals: £285,389, £74,433) recognise our combined expertise in animal behaviour and endocrinology (**Semple, MacLarnon**).

Long-term field sites and fieldwork: Ross is director of baboon research at the Gashaka-Gumti Primate Project (GPP) in Nigeria, working with GPP director, Sommer (UCL). Roehampton provides core funding to support long-term work on two baboon troops habituated since 2000, including: two permanent local field assistants who collect continual behavioural and demographic data; field visits by Ross and Lehmann; research assistance to create and maintain a long-term database. External funds have been awarded by the North of England Zoological Society, PSGB, and the Leakey Trust. Three PhD projects (supervisors: Lehmann, MacLarnon, Marvin, Ross, Semple) have been completed from work at GPP in this period. The value of long-term institutional commitment is evidenced by publications now emerging based on analysis of data from 10 years or more: a co-edited book (Sommer & Ross, 2011) Primates of Gashaka (Springer); Ross, Lehmann International Journal of Primatology, 2011) on social networks; MacLarnon, Ross et al. (submitted) on physiological stress measures of adaptability to climate and food availability. Further outputs in: Hormones & Behavior, American Journal of Primatology, Primates, Stress.

**Semple** continues collaborative research arrangements with the Caribbean Primate Center (CPC), University of Puerto Rico, started in 2004, involving free-ranging rhesus macaques on Cayo Santiago and captive animals at Sabana Seca. Two PhD projects (supervisors: **Semple, MacLarnon**) on various aspects of stress, cognition and welfare have used the sites, supported by



grants from the Universities Federation of Animal Welfare (UFAW), PSGB and NSERC. Other research (**Semple, MacLarnon**, Brent & Platt: Duke) includes work on primate personality and behavioural genetics. Outputs in: *Proceedings of the Royal Society, Animal Welfare, Physiology & Behavior, PLoS ONE*.

A new field collaboration for work on Barbary macaques in the Middle Atlas Mountains, Morocco, started in 2009, is co-ordinated by **Semple** at Roehampton, working with the programme director, Majolo (Lincoln), and Qarro (Rabat University and Forestry Commission, Morocco). Two PhD students (supervisors: **MacLarnon, Lehmann, Marvin, Ross, Semple**) are using the site where there are 3 habituated troops, one of which interacts frequently with local and international tourists, and traders. Barbary macaques are Endangered (IUCN Red List) and little studied in the wild. Our projects investigate fundamentals of social behaviour and ecological factors, the effects of tourism on the animals, and the perceptions and value of the tourist trade they generate for local people, National Park and other government officials. Grants have been awarded by the IPS, Leakey Foundation and Leakey Trust. Outputs in: Biological Conservation, African Zoology, Anthrozos. Our results are providing unique input into conservation policy in Morocco.

**Berbesque** maintains long term fieldwork on the ecology and behaviour of the Hadza in Tanzania with annual field visits, collaborating with Marlowe (Cambridge) and Doran (Florida State), supported by the Leakey Foundation and internal funds. Outputs in: *Proceedings of the Royal Society, American Journal of Human Biology, American Journal of Physical Anthropology, Evolutionary Psychology, Human Nature, Journal of Human Evolution.* **Berbesque's** current bioarchaeological work on extant hunter-gatherers includes nutritional research and field dental casting for analysis using SEM in our Imaging & Morphometrics Laboratory with **Rae**.

**Beckmann** is engaged in long term fieldwork on political mobilisation, antiretroviral treatment, and sexuality in relation to HIV/AIDS in Zanzibar, supported by an ESRC grant and the John Fell Fund for work in Zanzibar prior to moving to Roehampton, and by an internal grant for new researchers to establish her research since the move. Outputs in: *Journal of East African Studies, Culture, Health & Sexuality, Development & Change,* plus book chapters.

Specialist facilities: The non-invasive Hormone Laboratory developed by MacLarnon in the previous period, receives ongoing infrastructural funding (e.g. addition of safety cabinet, enhanced sample storage facilities). Together with a radio-laboratory for recovery testing and specialist technical support, the high quality facility is comprehensive and enables the training and support of up to three researchers at a time. We address fundamental questions at the interface of physiology and behaviour, combining our capabilities in field endocrinology, behaviour and ecology. Our analytical range includes female and male reproductive hormones, glucocorticoids and C-peptide. Five PhD students (supervised MacLarnon, Ross, Semple) have used the facilities for projects on Barbary (Morocco) and rhesus (Cayo Santiago) macagues, and olive baboons (GGP). External collaborations include Kent (chimpanzees, Tanzania), and the Institute of Zoology (baboons, Namibia). MacLarnon and Semple are Co-Is for two recently awarded grants using these labs: Leverhulme Trust (with Sussex, Princeton: emotional awareness in horses); and NC3Rs (with Liverpool John Moores, MRC: measuring attention bias to assess psychological wellbeing in captive primates). Outputs in: General & Comparative Endocrinology, Hormones & Behavior, Physiology & Behavior, Stress, Behavioral Ecology & Sociobiology, International Journal of Primatology, Primates.

Uniquely for the UK, the Imaging & Morphometrics Lab at Roehampton (director Rae) combines SEM, pQCT and a 3D morphometric workstation (running Avizo). It has supported 2 PhD projects on hominin cranial sinuses and fossil cave bear morphometrics (supervisors: MacLarnon, Rae), and a new student will work on the integration of masticatory development in humans and other primates (supervisors: Berbesque, Rae). The pQCT has been used in a project with Berbesque, and for others on strepsirrhine primate sinus evolution (Koppe: Ernst-Moritz-Arndt University), fox sinus adaptation (Jeffrey: Liverpool) and corvidendocranial volume (Stewart: Bournemouth), and rat brain volume (UoA3 PhD student). Based on our facilities, Rae has additional collaborations with: Primate Research Institute, Kyoto University, where he was awarded a Fellowship by the Japanese Society for the Promotion of Science (2011), Barts & the London Hospital, the Natural History Museum, Grant Museum, Hunterian Museum, Hull York Medical School, George Washington University, Indiana University. Outputs in: American Journal of Physical Anthropology, Anatomical Record, Braunschweiger Naturkundliche Schriften, International Journal of Primatology, Journal of Human Evolution, Slovenský Kras Acta Carsologica Slovaca.



Specialist analytical tools available include GPS software (Arcinfo) (e.g. PhD projects supervised by **Lehmann**, **Semple**) and social network software (UCInet and freeware), supporting **Lehmann** and PhD projects. Outputs in: *American Journal of Primatology Journal of Biogeography*, book chapters. Statistical support is provided by a departmental statistical advisor with particular expertise in multivariate statistics, R and the complexities of ecological and behavioural data sets.

### e. Collaboration and contribution to the discipline or research base

We collaborate with many partners, as indicated, in relation to individual projects and research programmes. We also make facilities available to other researchers: the GPP baboon fieldsite (e.g. St. Andrews, UCL, Göttingen, Neuchâtel); the Hormone Laboratory (e.g. Goldsmiths, Oxford); we host the European mirror site of the University of Pennsylvania Open Research Scan Archive of hominin skeletal material. Additionally, CREEA staff contribute broadly to the discipline base as:

Officers, council members of professional bodies: Association of Social Anthropologists, European Federation of Primatology (Lehmann, Treasurer), IPS, International Society of Anthropozöology; International Union of Anthropological & Ethnological Sciences Commission on Ageing & the Aged, PSGB (MacLarnon, President), Royal Anthropological Institute

**Members of grant committees:** Leakey Trust (**MacLarnon,** Chair), Wenner-Gren Foundation, IPS Conservation Fund

Editors, members of editorial/advisory boards: Animal Behaviour, book series Animalibus: Of Animals & Their Cultures (Pennsylvania State University Press), Anthropology & Aging Quarterly, Anthropology in Action, Anthropozöos, Journeys: International Journal of Travel and Travel Writing, Journal for Applied Anthropology in Policy & Practice, Primate Eye, Springer Science Reviews, Society & Animals, Tourist Studies

Guest editors of volumes: American Journal of Primatology, International Journal of Primatology

**External doctoral examiners:** Bath, Chester, Essex, German Primate Centre, Goldsmiths, Institute of Zoology, Kent, Liverpool John Moores, Montpellier, Nottingham, Oxford, Oxford Brookes, Pretoria, Queen's Belfast, Stirling, Warwick, York

Appointments/promotions advisors: Durham, Kent, Liverpool John Moores, Oxford Brookes

**Grant reviewers:** AHRC; BBSRC; ESRC; Austrian Arts & Humanities Board, and Science Foundation; Commonwealth Scholarships; Foundation for Science & Technology (Portugal); German Research Foundation; Leakey Foundation; Leverhulme Trust; National Science Foundation (Switzerland); National Science Foundation, USA; Norwegian ESRC

**Conference organisers:** 23<sup>rd</sup> Congress IPS (Edinburgh 2008; grants awarded Wenner Gren, Rufford Foundation supporting 25 delegates from lower income, primate habitat countries); Transnational dynamics in AIDS, sexuality and religion (Oxford 2011); 3<sup>rd</sup> International Symposium of Southeast Asian Primates (ISSEAP): Diversity & Evolution (Bangkok, 2012)

**Symposium/workshop organisers:** post-conference IPS workshop (Durham 2008) with Hamada and Hiraski (Kyoto), *Comparative Functional Morphology in Primates*; IPS (Kyoto, 2010, supported by 3 Royal Society grants), 2 symposia, *Energetics: measurement and interpretation*, *Social networks*; ASA (Bristol, 2010), panel *Archaeological Encounter: Anthropological Perspectives* (coedited volume, St. Andrews University Press), workshop on AIDS activism (Bradford, 2008) and conference on AIDS, Sexuality & Religion (Oxford, 2011) (co-edited volume, British Academy/Oxford University Press)

**Keynote/plenary presenters: Davies:** Effects & Emotions (Berlin 2013); **Marvin:** The Animal Turn, Collège de France/CNRS (Paris 2010); **Rae:** ISSEAP (Bangkok 2012)

**Network organisers:** International Network on AIDS & Religion in Africa; Fertility & Reproduction Studies Group

**Advisors, trustees: Semple** Barbary Macaque Conservation Management Advisory Panel; **Marvin** Dama International (Leverhulme-funded fallow deer research project), Powell-Cotton Museum of Natural History & Ethnography, UK Wolf Conservation Trust