

Association for the Study of Animal Behaviour

Winter Meeting 2009



INDIVIDUAL SPECIALISATION Programme

THURSDAY, 3 DECEMBER

Coffee and registration from 9:30

10.20 Welcome and Introduction

1. Task Specialisation

10.30 – 11.20 **PLENARY: *Specialization and optimization of reproduction and work in insect societies***

Francis Ratnieks, University of Sussex, UK

11.20 – 11.50 ***Individual specialisation and activity levels in social insects***

Ana B Sendova-Franks¹, Nigel Franks²: ¹University of West of England, UK; ²University of Bristol, UK

11.50 – 12.20 ***Individual variation in cerebral lateralization and its ecological consequences***

Marco Dadda, Angelo Bisazza: University of Padova, Italy

12:20 – 12.50 ***Sex roles in parental care: specialisation and cooperation***

Freya Harrison^{1,2}, Tamás Székely¹, Zoltán Barta³: ¹University of Bath, UK; ²University of Oxford, UK; ³University of Debrecen, Hungary

12:50 – 14:00 Lunch

2. Animal Personality I

14:00 – 14:50 **PLENARY: Causes and consequences of individual differences in behaviour in three-spined sticklebacks**

Alison Bell: University of Illinois, Urbana-Champaign, USA

14:50 – 15:20 **Testing for correlations in boldness and aggression within individuals and across populations of fish**

Gabrielle A. Archard, Victoria A. Braithwaite: Pennsylvania State University, USA.

15:20 – 15:50 **Behavioural reaction norms: Animal personality meets individual plasticity**

Niels J. Dingemanse¹, Anahita J.N. Kazem², Denis Reale³, Jonathan Wright²: ¹Max Planck Institute for Ornithology, Germany; ²NTNU, Norway; ³Universite du Quebec a Montreal, Canada

15:50 – 16:10 Tea

3. Animal Personality II

16:10 – 16:40 **Measuring individual differences in reaction norms in field and experimental studies: a power analysis of random regression models**

Julien G.A. Martin¹, Daniel Nussey², Alastair Wilson², Denis Réale³: ¹Universite de Sherbrooke, Canada; ²University of Edinburgh, UK; ³Universite du Quebec a Montreal, Canada

16:40 – 17:10 **Ratings of zoo chimpanzees (*Pan troglodytes*) and orangutans (*Pongo pygmaeus* and *Pongo abelii*) are not anthropomorphic projections**

Alexander Weiss, Miho Inoue-Murayama, James E. King, Mark J. Adams, Tetsuro Matsuzawa: University of Edinburgh

17:10 - 17:40 **Effects of personality on sexually selected signals in great tits**

Marc Naguib; Mathieu Amy: Netherlands Institute of Ecology, The Netherlands

17:40 – 18:10 **Personality and life-history strategies in pea aphids, *Acyrtosiphon pisum***

Wiebke Schuett^{1,2}, Sasha R.X. Dall¹, Till Eggers²: ¹University of Exeter, UK; ²University of Osnabrueck, Germany

Wine reception and poster session from 18.10

FRIDAY, 4 DECEMBER

Coffee from 9:30

4. Individual Niche Specialisation

10:30 – 11.20 **PLENARY: *Ecological and evolutionary forces maintaining niche variation within populations***

Daniel Bolnick: University of Texas, Austin, USA

11.20 – 11.50 ***Measuring foraging specialisations using stable isotopes***

Stuart Bearhop: University of Exeter, UK

11.50 – 12.20 ***Individual meerkat, *Suricata suricatta*, foraging specialisations and habitat productivity***

Alice Leyland¹, Sarah J. Hodge¹, Wiebke Schuett^{1,2}, Sasha R.X. Dall¹:
¹University of Exeter, UK; ²University of Osnabrueck, Germany

12:20 – 12.50 ***Genetic variation in social preference depends on population context in *Drosophila melanogaster****

Julia B. Saltz^{1,2}: ¹University of California, Davis, USA; ²University of Southern California, USA

12:50 – 14:00 Lunch

14:00 – 15:00 **TINBERGEN LECTURE: *Parental investment and biparental care***

Kate Lessells, Netherlands Institute of Ecology

15:00 – 15:30 Tea

5. Impacts of Individuality

15:30 – 16:00 ***Some are more equal than others: the consequences of individuality in animal behaviour for transmission of diseases***

Lisa M. Collins: Royal Veterinary College, UK

16:00 – 16:30 ***Comparing individuality to phenotypic plasticity in facilitating evolution***

Marios N. Richards, Joanna J. Bryson: University of Bath, UK

16:30 – 17:00 ***Rainbow trout use mutual assessment to settle contests***

Sarah Millsopp: Queen's University Belfast, UK

17:00 – 17:30 ***Caring or not caring, the evolution of maternal care in the European earwig***

Flore Mas: University of Basel, Switzerland

End

Posters

Adams MJ, King JE, Weiss A (Univ Edinburgh)

Subjective well-being is genetically correlated with personality in orang-utans.

Bergvall UA, Schäpers A, Kjellander P, Weiss A (Univ Edinburgh)

Evaluation of methods used in personality research in different disciplines: experiments with fallow deer.

Budaev S (Univ Sussex)

Definition and measurement of animal personality

Culloch RM, Pomeroy PP, Twiss SD (Univ Durham)

Pinniped personalities? Preliminary evidence of individual behavioural consistency in wild breeding adult female grey seals (*Halichoerus grypus*).

Gyuris E, Tartally A, Barta Z (Univ Debrecen)

Individual behaviour in Firebugs (*Pyrrhocoris apterus*)

Hellström G, Magnhagen C (Swedish Univ of Agricultural Sciences)

Is risk-taking behaviour inherited or learned? Results from a common-garden experiment with two populations of Eurasian perch.

Hirvonen H, Koskinen J (Univ Helsinki)

Individual variation in innate and learned antipredator behaviour

Klueen E (Univ Helsinki)

Behavioural syndromes in blue tits (*Cyanistes caeruleus*).

Lantová P, Zub K, Šíchová K, Borowski Z (Univ South Bohemia)

Linkages between personality and metabolism in the root vole (*Microtus oeconomus*)

Muller H, Chittka L (Queen Mary College)

Novelty response and bumblebee "personality": Do individuals vary consistently in their response to novel colours?

Péron F, Bovet D, Nagle L (LECC)

Different role taking in a cooperative task in African Grey parrots.

Potter SJ (Univ Exeter, Cornwall)

The specialism of generalism: early stages of adaptive radiation by adaptive niche expansion in European lacertid lizards.

Robertson AR, Cant MA, McDonald RA, Bearhop S (Univ Exeter, Cornwall)

Sett Menus: The Ecological and Evolutionary origins and consequences of individual foraging behaviour in group-living badgers.

Twiss SD, Franklin J, Culloch RM, Pomeroy PP (Univ Durham)

Pinniped personalities? Preliminary evidence of consistent individual behavioural types in wild, breeding male grey seals (*Halichoerus grypus*).

van der Post DJ (Georg-August-Univ Göttingen)

Self-organized learning processes can drive diet “specialisation” in individuals and groups