

## PROF. DAVID REBY

Born 29.08.1970 in Limoges, France. Married, 1 Child.  
Fluent in French & English.

### CURRENT POSITION (UNIVERSITY OF LYON, FRANCE)

PROFESSOR, CLASSE EXCEPTIONNELLE.  
EQUIPE DE NEUROETHOLOGIE SENSORIELLE,  
UNIVERSITE JEAN MONNET (LYON / ST. ETIENNE)  
IUF SENIOR MEMBER  
NATIONAL GEOGRAPHIC EXPLORER



### CAREER HISTORY (UNIVERSITY OF SUSSEX, BRIGHTON)

- 2017- 2019: Professor of Ethology
- 2013 - 2017: Reader in Psychology
- 2007 - 2013: Senior Lecturer in Psychology.
- 2003 - 2007: Lecturer in Psychology.
- 2002 - 2003: Tutor in Psychology.
- 2000 - 2002: Marie Curie Postdoctoral Fellow.
- 1999 - 2000: Fyssen Foundation Postdoctoral Fellow.

### EDUCATION (UNIVERSITE PAUL SABATIER, TOULOUSE)

- 1994 - 1998: PhD in Biology of Behaviour. Institut de Recherche sur les Grands Mammifères (INRA Toulouse). Subject: Vocal communication in deer.
- 1993 - 1994: Diplôme d'Etude Approfondies in Behavioural Sciences and Cognitive Neurosciences.

### PRIZES, AWARDS AND OTHER INDICATORS OR ESTEEM:

- 2009 Cozzarelli (PNAS) Prize for an outstanding paper in the field of Social and Behavioural Sciences
- 2015 Student-led award for Outstanding Support for the Learning Experience of Students
- 2016 Award for Excellence in Teaching.
- 2007 - present: Associate editor for *PLoS ONE*
- 2019 - present: Associate editor for *Bioacoustics*
- 2012 - 2019 Invited Professor, Université St. Etienne (2 months per year).
- 2009 - present: invited professor at Université du Maine, Le Mans (2 months), Université de Nanterre, Paris (1 month), University of Hong Kong (10 days), Université of Orsay, Paris (1 month).
- 2018 – present: international assessor for Irish Research Council
- February 2009: International assessor for AERES (French Research Evaluation Agency).
- Regular referee for *Current Biology*, *Nature Communications*, *Proceedings B*, *Biology Letters*, *Journal of Experimental Biology*, *Animal Behaviour*, *Animal Cognition* etc.

### TEACHING:

I organise and/or teach courses on *Animal Behaviour*, *Evolution of Communication*, *Cognitive Psychology*, *Human speech (developmental and evolutionary perspectives)*, *Linear Models (SPSS)*, *Voice analysis and resynthesis (Praat)* at undergraduate and postgraduate level.

I am Director of the international Master of Bioacoustics (MoBi)

### PHD AND POSTDOCTORAL SUPERVISION:

I currently supervise five PhD student on the subject of *cross-modal correspondences in domestic dogs*, *Vocal behaviour and temperament in domestic dogs*, *Acoustic deterrence in terrestrial mammals* and *Vocal production in large mammals*, as well as 4 postdocs funded by my IDEXLyon Fellowship. I have successfully supervised 6 PhD students to completion (between 2003 and 2017). I have also supervised 6 post-docs, supported by grants or fellowships from EU, SSHRC, Fyssen Foundation, NSF, BBSRC and the Leverhulme Trust, on topics ranging from herring gull vocal communication to human voice modulation.

#### MAJOR ADMINISTRATIVE ROLES (UNIVERSITY OF SUSSEX):

- 2018 - 2019: Cognitive Psychology Research Group Leader (12 Faculty, 12 postdocs, 20 PhD)
- 2003 - 2019: Co-Founder and Co-director of Mammal Vocal Communication and Cognition Research Group (~ 2 faculty, 4 postdocs, 4 PhD students)
- 2015 - 2017: Chair of Ethics Committee (Psychology, Informatics & Life Sciences)
- 2013 - 2015: Deputy Director of Student Experience
- 2009 - 2013: Deputy Chair / Chair of the Psychology Exam board
- 2003 - 2009: Visiting and Exchange Adviser for Psychology students.

#### FUNDING:

I have been awarded a total of 2.4M euros, including grants from IDEXLYON (Vocal communication: a comparative approach, € 1.2M), *The National Geographic* (Vocal communication in African penguins, € 24,000), *The Leverhulme Trust* (Voice and Sex Stereotypes £ 222,515), *BBSRC* (How dogs hear us £ 310,000), and fellowships from *EU Marie Curie* (Voice Modulation, € 183,450), *SSHRC* (Voice Modulation, CA\$ 81,000), *Leverhulme Trust* (Koala vocal communication, £ 55,100), *NSF* (Deer communication, US\$ 180,000), *Fyssen foundation* (herring gull vocal communication £ 15,000) and *Nuffield Foundation* (start-up grant £ 5,000).

#### PEER-REVIEWED PUBLICATIONS IN INTERNATIONAL JOURNALS:

I have published **103 articles** in international peer-reviewed journals (including 1 *TiCS*, 1 *PNAS*, 4 *Current Biology*, 3 *Nature Communications*), which have attracted **3365 citations**.

#### KEY RECENT & RELEVANT PUBLICATIONS:

- Pisanski, K., Reby, D. Efficacy in deceptive vocal exaggeration of human body size. ***Nature Communications*** 12, 968 (2021)
- Charlton BD, Taylor, A.M., Reby, D. (2017). Function and Evolution of Vibrato-like Frequency Modulation in Mammals. ***Current Biology*** 27, 2692.
- Charlton BD & Reby D (2016). The evolution of acoustic size exaggeration in terrestrial mammals. ***Nature Communications***. 7:12739.
- Pisanski K, Cartei V, McGettigan C, Raine J & Reby D. (2016). Voice modulation: A window into the origins of human vocal control? ***Trends in Cognitive Sciences*** 20: 4.
- Ratcliffe VF, & Reby D (2014). Orienting Asymmetries in Dogs' Responses to Different Communicatory Components of Human Speech. ***Current Biology*** 24, 2908-2912.
- Charlton BD, Frey R, McKinnon AJ, Fritsch G, Fitch WT & Reby D (2013). Koalas use a novel vocal organ to produce unusually low-pitched mating calls. ***Current Biology*** 23, R1035-R1036

I have given **20 Invited talks at International Conferences** (e.g. IBAC, IEC, ASA, ISAE), including **6 plenary talks**. In august 2019 I organised the 2019 International BioAcoustics Conference in Brighton.