

## PROF DR ISABELLE DE GROOTE

### PERSONAL INFORMATION

Family name, First name: De Groote, Isabelle ORCID ID 0000-0002-9860-0180

Nationality: Belgian Date of birth: 25/08/1978

### CURRENT POSITION

From Oct 19 Full professor - Faculty Arts and Philosophy/ Department of Archaeology, Ghent University.  
Head of ArcheOs – Research Laboratory for Biological Anthropology

### PREVIOUS POSITIONS

2012-2019 LIVERPOOL JOHN MOORES UNIVERSITY (LJMU)  
Reader, Public Engagement Lead for School of Natural Sciences and Psychology.

2015-2019 ROEHAMPTON UNIVERSITY External Examiner for Undergraduate Programme.

2009-2012 THE NATURAL HISTORY MUSEUM  
Post-doctoral researcher in Human Origins (Leverhulme and Calleva Foundation funded).

Spring 2009 KINGSTON UNIVERSITY Guest Lecturer in Biological Anthropology

2008-2009 UNIVERSITY COLLEGE LONDON  
Part-time lecturer and part-time curator (Department of Anthropology)

2007 ROEHAMPTON UNIVERSITY Guest Lecturer in Biological Anthropology

2004-2008 UNIVERSITY COLLEGE LONDON Teaching Assistant (Department of Anthropology)

**CAREER BREAK** Maternity leave: 13/01/2018 – 9/01/2019

### AWARDS

2019 Vice Chancellor's award for excellence in Social and Economic Engagement  
£3000 for excellence in research and scholarship

2015 Rescue Dig of the Year Award – Current Archaeology  
Pathways to Ancient Britain, as collaborator

2014 Vice Chancellor's award for excellence in research and scholarship  
£1500 for excellence in research and scholarship.

2007 Jane Moore Prize Winner for best student presentation  
 (£50) British Association of Biological Anthropologists and Osteoarchaeologists.

### PROFESSIONAL MEMBERSHIPS

American Association of Physical Anthropologists; British Association for Biological Anthropology and Osteoarchaeology; Paleoanthropology Society; Société d'Anthropologie de Paris; European Society for Human Evolution; Higher Education Academy

### REVIEWER ACTIVITY

Journals : Journal of Human Evolution; American Journal of Physical Anthropology; Biology Letters; Nature; Royal Society; Current Anthropology; Quaternary International ; Journal of Archaeological Science; Nature Scientific Reports; Bulletins et Mémoires de la Société d'anthropologie de Paris (editorial board member since 2017); Anatomical Record; International Journal of Osteoarchaeology Grants: Canadian Art and Humanities Research Council; NSF South Africa; Foundation Scientific Research, Belgium; Marie Curie; COFUND - IF@ULB

### RESEARCH COLLABORATIONS

Most of my research has been conducted from a multidisciplinary perspective with new method application to the study of human skeletal material. Over the years I have developed close collaborations with colleagues from medicine, zooarchaeology, archaeology, archaeometry and geochemistry and these have resulted in several papers in international peer-reviewed journals and interdisciplinary research projects.

### PUBLICATIONS

categories	A1	P1	VABB/A2	VABB/B1	VABB/B2	VABB/B3	VABB/C1	A2	B1	B2	B3	C1	C2	U
published	44		5						7	1	9			1
in press	2													
sole author	2		1									4		
first author	8		2						2		4			
last author	14		2						4					

## **ACHIEVEMENTS TRACK RECORD**

### **A. Scientific leadership**

The majority of my research focusses on the evolution of humans with particular emphasis on Neanderthals and the emergence of modern humans and behavioural modernity. Early on my work related mostly to the functional morphology of the arms and legs of the Neanderthals (De Groote 2011a; De Groote 2011b) and the development of 3-dimensional methods of analysing morphology (De Groote et al. 2010). The methods described in the American Journal of Physical Anthropology applied for the first time 3D geometric morphometrics to long bones, and is now widely adopted in the field (De Groote et al. 2010). I am a member of the excavation and research team at Scladina Cave, Belgium. The results we obtained during this past field seasons in a neighbouring cave (La Faucille) proved promising to further our understanding about the introduction of Neolithic farming communities in Northwest Europe and we have funding from the Koning Boudewijnstichting on the role of the Belgian territory on the Neolithic population of Europe. Other collaborations with colleague anthropologists have resulted in numerous peer-reviewed papers published in a wide range of international anthropology journals. I have a desire to further understand the pathways by which humans adapt to their environment. These projects look at innovative approaches to questions in human adaptation and include novel interdisciplinary collaborations with physiologists, anatomists and primate biologists. I have supervised and coordinated several research projects.

### **B. Impact**

Scientific research can have impact at several levels. Scientific being one of them, the others are socioeconomic. I have a strong desire to share research results with the public to enhance public understanding of science and to encourage young people to take up science careers. Anthropology, the study of humankind, is of particular interest to many. I have published several articles in popular books and magazines, and advised on a number of press stories and science documentaries on the topic of human evolution. Especially the use of virtual anthropology and 3D visualisations allow us to share anthropology even further. The EU Horizon2020 project (2.9m Euro of which 900.000 Euro came to LJMU) was the result of “science meets engineering” workshops I initiated in 2013. These workshops and other collaborative projects with colleagues in the Faculty of Engineering and Technology and the School of Sports Sciences are an example of where I created the research environment where cross-disciplinary research collaborations could be developed. My research has wide visibility and delivers economic, social and cultural benefits. Because I take a modern and forward thinking approach to science I avoid being silo-oriented but instead interact with all disciplines to make the impact of my research as far reaching as possible. As exemplified by public lectures, media and other activities, and the non-academic publications, my engagement with the public is as much part of my core activities as is teaching and the research itself.

### **C. 5 major publications**

1. ***New genetic and morphological evidence suggests a single hoaxer created 'Piltdown man'.*** De Groote, I., Flink, L. G., ..., Stringer, C. (2016) *Royal Society Open Science*, 3(8), 160328. Impact Factor 2.504.
2. ***Evidence of Different Climatic Adaptation Strategies in Humans and Non-Human Primates*** Buck, Leslie Thomas, Isabelle De Groote, Yuzuru Hamada, Brenna R Hassett, Tsuyoshi Ito, and Jay T Stock. (2019) *SCIENTIFIC REPORTS* 9. Impact factor 3.998.
3. ***The Neanderthal Lower Arm.*** De Groote, I. (2011) *Journal of Human Evolution*, 61 (4), 396-410 Impact Factor 3.733.
4. ***Hominin Footprints from Early Pleistocene Deposits at Happisburgh.*** Ashton, N., Lewis, S. G., De Groote, I., Duffy, S. M., Bates, M., Bates, R., Hoare, P., Lewis, M., Parfitt S.A., Peglar S., William C, Stringer, C. (2013) *PLOS ONE*, 9(2), 13 pages. Impact factor 3.2340. My contribution: I carried out the anthropological footprint analyses and co-authored the paper. I also provided the 3D prints for exhibitions/TV. I supervise the ongoing footprint analyses (Wiseman et al. in press).
5. ***A New Method for Measuring Long Bone Curvature Using 3D Landmarks and Semi-Landmarks.*** De Groote, I., Charles A Lockwood, and Leslie C Aiello. 2010. *AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY* 141 (4): 658–664. Impact factor: 2.693