在中国云南发现狒狒化石

郑 良1，潘汝亮2·*，Darren Curnoe3

1. 云南省文物考古研究所，云南 昆明 650118；
2. School of Anatomical Sciences, University of Witwatersrand, Johannesburg; South Africa
3. Department of Anatomy, School of Medical Sciences, University of New South Wales, Sydney NSW 2052, Australia

摘要：现存狒狒类(Papionin)生活于非洲(如 Papio 和 Theropithecus)、亚洲(如 Macaca)和北非(M. sylvanae)。在上新世和更新世，Theropithecus 经历了从非洲到亚洲的扩散过程，在印度发现了类似化石。这次在云南中甸金沙江附近发现的下更新世狒狒化石(Papio)证明，如同亚洲猕猴和现代人类祖先一样，非洲狒狒类(Papio 和 Theropithecus)在上新世和更新世时期从非洲扩散到亚洲。所不同的是它们没有像猕猴和人类一样生存下来。这次化石的发现对研究亚洲化石人类提供了重要依据：1) 探讨旧大陆人类在上新一更新世从非洲到亚洲的扩散过程；2) 研究不同旧大陆猕猴类的进化和环境适应性；3) 为现代人类祖先在非洲一亚洲大陆的扩散研究提供证据；4) 由于化石产地包括有人类祖先和其他动物的化石，因此，狒狒在亚洲的生态适应研究将为探讨人类在亚洲一新世的生态适应提供证据。

关键词：狒狒；化石；云南；中甸

Fossil Baboon found in Yunnan, China

ZHENG Liang1, PAN Ru-liang2·*, Darren Curnoe3

1. Yunnan Institute of Palaeontology and Archaeology, Kunming, Yunnan 650118, China;
2. School of Anatomical Sciences, University of Witwatersrand, Johannesburg; South Africa
3. Department of Anatomy, School of Medical Sciences, University of New South Wales, Sydney NSW 2052, Australia

The extant papionin monkeys are represented today by several genera including Papio (baboons) and Theropithecus (geladas) in Africa, and Macaca (macaques) in North Africa and Asia. However, during the Pliocene and Pleistocene, while geladas occupied African and India (e.g., Delson, 1984; Prasad, 1996; Fleagle, 1999; Frost & Delson, 2002; El-Zaatari et al., 2005), Papio inhabited only sub-Saharan Africa. In both cases, diversity was considerably greater in the past than today. African papionins were also sympatric with hominins, both groups being found together in major fossil hominin localities throughout East and southern Africa. Papionins are important chronological (faunal) markers for hominin sites as well as providing insights into ecology. In 2001, in Zhongdian County, Yunnan Province, China, a fossil primate was unearthed from a locality along the Jingsha River that strongly morphologically resembles Papio (see Fig. 1). This fossil comprises most of a well-preserved mandible with some teeth. The specimen is dated using faunal correlation to the Lower Pleistocene. The presence of a Papio-like lineage in China is important because: 1) it indicates much wider geographic distribution for this previously African-only lineage, offering new information about primate evolution and biogeography; 2) it stems from a time when hominins first occupied East Asia; 3) it was discovered in a region likely to have been a major corridor for settlement of East Asia by hominins and other primates; and 4) it potentially offers new insights into various aspects of hominin ecol-

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* Corresponding author(通讯作者), E-mail: ruiliang.pan @ wits.ac.za, Tel: 27 11 7172077; Fax: 27 11 7172422; School of Anatomical Sciences, University of Witwatersrand, Johannesburg, 7 York Rd, Parktown, Johannesburg, 2193, South Africa

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A study is currently being conducted which aims to understand its morphology and systematics, based on comparison with modern baboons and geladas and related fossils, and to analyse questions surrounding the biogeography and dispersal, and possible local adaptations, of this and other primate fossils in Yunnan Province.

![Image of a baboon mandible](image)

**Fig. 1** Comparison of a modern baboon (Papio hamadryas ursinus) mandible (above) and the fossil Papio-like (species unidentified) specimen in China (below).

In addition to similarity in their dental structure, the bodies of both exhibit a deep (transverse plane) and anteroposteriorly extensive fossa located inferior to the premolars and mesial molars.

**Key words:** Papio; Fossil; Yunnan; Zhongdian

**References:**


