

## QIAN WANG

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### EDUCATION

Ph.D. in Physical Anthropology. Institute of Vertebrate Paleontology and Paleoanthropology, Chinese Academy of Sciences, Beijing, China. 1995 -1998.

M. Sc. in Paleontology. Nanjing University, Nanjing, China. 1992 -1995.

B.Sc. in Paleontology. Nanjing University, Nanjing, China. 1988 - 1992.

### POSTDOCTORAL EXPERIENCE

Research Associate and Instructor of Anatomy, Department of Biomedical Sciences, Baylor College of Dentistry, Texas A & M University System Health Science Center. 2003 - 2006.

Postdoctoral Fellow, School of Anatomical Sciences, University of the Witwatersrand Medical School, Johannesburg, South Africa. 1999 - 2002.

### OTHER TRAINING

Receiver of Bursary of French Government for training in paleoanthropology and human biology. Institut de Paléontologie Humaine, Paris, France. Sept.1997 - Jan. 1998.

### APPOINTMENTS

Assistant Professor of Anatomy, Division of Basic Medical Sciences, Mercer University School of Medicine. Macon ,GA. Since 2007.

Assistant to Curator (part time), Fossil Dome, School of Anatomical Sciences, University of the Witwatersrand, Johannesburg, South Africa. 2002.

Assistant Research Fellow, Institute of Vertebrate Paleontology and Paleoanthropology, Chinese Academy of Sciences, Beijing, China. 1998 - 1999.

### MEMBERSHIP OF PROFESSIONAL SOCIETY

American Association of Anatomists (AAA). Since 2003.

American Association of Physical Anthropologists (AAPA). Since 2003.

American Society of Bone and Mineral Research (ASBMR). Since 2007.

### RESEARCH GRANTS

NSF Collaborative Research: Integrative analysis of hominid feeding

biomechanics - Suture morphology and biomechanics (PI). 2007-2012.

#### RECENT PUBLICATIONS

1. Wang Q, Dechow PC, Wright BW, Ross CF, Strait DS, Richmond BG, Spencer MA, Byron CD. 2008. Surface strain on bone and sutures in a monkey facial skeleton: an in vitro approach and its relevance to Finite Element Analysis. In Vinyard CJ, Ravosa MJ and Wall CE (eds): *Primate Craniofacial Function and Biology, Development in Primatology Series*. New York: Springer, pp.149-172.
2. Strait DS, Wright BW, Richmond BG, Ross CF, Dechow PC, Spencer MA, Wang Q. 2008. Craniofacial strain patterns during premolar loading: Implications for human evolution. In Vinyard CJ, Ravosa MJ and Wall CE (eds): *Primate Craniofacial Function and Biology, Development in Primatology Series*. New York: Springer, pp.173-198.
3. Elsalanty ME, Por YC, Genecov DG, Salyer KE, Wang Q, Barcelo CR, Troxler K, Gendler E, Opperman LA. 2008. Recombinant human BMP2 enhances the effects of materials used for reconstruction of large cranial defects. *Journal of Oral and Maxillofacial Surgery*. 66:277-285.
4. Wang Q, Dechow PC, Hens SM. 2007. Ontogeny and diachronic changes in sexual dimorphism in the craniofacial skeleton of rhesus macaques from Cayo Santiago, Puerto Rico. *Journal of Human Evolution*. 53:350-361.
5. Wang Q, Strait DS, Dechow PC. 2006. A comparison of cortical elastic properties in the craniofacial skeletons of three primate species and its relevance to the study of human evolution. *Journal of Human Evolution*. 51:375-382.
6. Peterson J, Wang Q, Dechow PC. 2006. Material properties of the dentate maxilla. *Anatomical Record*. 288A:962-972.
7. Wang Q, Strait DS, Dechow PC. 2006. Fusion patterns of craniofacial sutures in rhesus monkey skulls of known age and sex from Cayo Santiago. *American Journal of Physical Anthropology*. 131:469-485.
8. Wang Q, Opperman LA, Havill LM, Carlson DS, Dechow PC. 2006. Inheritance of sutural pattern at the pterion in rhesus monkey skulls. *Anatomical Record*. 288A:1042-1049.
9. Yamashita J, Wang Q, Dechow PC. 2006. Biomedical effects of fixed partial denture therapy on strain patterns of the mandible. *Journal of Prosthetic Dentistry* 95:55-62.
10. Dechow PC, Wang Q. 2006. Strain gages. In: Webster JG [ed]. *Encyclopedia of medical devices and instrumentation*. Hoboken, NJ: Wiley. Vol 6: 282-290.
11. Wang Q, Dechow PC. 2006. Elastic properties of external cortical bone in the craniofacial skeleton of the rhesus monkey. *American Journal of Physical Anthropology*. 131:402-415.
12. Strait DS, Wang Q, Dechow PC, Ross CF, Richmond BG, Spencer MA, Patel BA. 2005. Modeling elastic properties in finite element analysis: How much precision is needed to produce an accurate model? *Anatomical Record* 283A:275-287.