

Orthodontic Faculty Development Fellowship Award

Dr. Bingshuang Zou, *The University of British Columbia*

I finished my Ph.D. and orthodontic specialty combined program from Peking University in Beijing, China in 1998, and began my academic career in the Department of Orthodontics, School and Hospital of Stomatology of Peking university after that. I have also had my visiting scholarship in Seoul National University, Korea in 2001, UIC, US in 2002, and UBC, Canada from 2014-2016. In 2017, I finished the dental specialty assessment and training (DSATP) program at UBC and became a clinical assistant professor teaching in the Orthodontic Graduate Program. In Oct 2018, I was appointed as an Associate Professor with responsibilities in both the graduate and pre-doctoral orthodontic programs at UBC. In the past academic years, I have gained robust teaching, research and clinical experience. I have been presented with Excellent in Teaching Award from both Peking University and UBC. I have been engaged in more than 20 national or international grants as PI or co-Investigator. My research area involves many topics, including open bite, TMD, airway and OSA, 3D imaging and orthodontic-surgery treatment. I have published around 50 peer-reviewed articles, and 7 chapters or books collaborated with other researchers.



This protocol will evaluate the skeletal and dentoalveolar changes due to two different maxillary expansion protocols: alternative rapid maxillary expansion and restrictions (Alt-RMEC) and conventional rapid maxillary expansion (RME) in growing patients. This work will not only provide useful information about the suture response to orthopedic treatment but also enrich the orthodontic clinical skills and education scope. As a result of these previous experiences, I have the expertise, leadership and motivation necessary to carry out this proposed research project successfully. I have clinical and basic research works done related to this proposal. I have developed sufficient clinical experience and accumulated enough research materials for this proposal, and by establishing strong ties with principal advisor/mentor, and strictly following the constructed timeline and budget, I will successfully administer this project and produce several peer-reviewed publications from this proposal. The orthodontic residents will also have the chance to learn another new protocol to treat the growing Class III malocclusions or cleft lip palate patients.

As a junior faculty member looking to make a career in academics, with providing this award for the relief of my educational debt is in line with the mission of the AAOF. This financial assistance in the form of an Orthodontic Faculty Development Fellowship Award has gone a long way in helping me to further develop my role as a teacher and researcher at this early stage of my career. With the foundation funding I was able to focus on this research project and advance my academic career.