



Education

Implantology Certificate

Harvard University, School of Dental Medicine | 2021-2023

Ph.D. | Prosthodontics

Peking University, Peking University School of Stomatology | 2012-2017

Bachelor | Dental Medicine

Huazhong University of Science and Technology, Tongji Medical College | 2007-2012

Skills

Expertise

- Prosthodontics
- General dentistry
- Implants
- Python

Research

- Stem cell research
- Genetic research
- Bone regeneration engineering
- AI healthcare research

Certifications

- General Dental Licence in China
- General Dentist Practice Certificate
- Resident Standardization Training Certificate
- Machine Learning course Stanford online Certificate
- Python course Google Certificate
- AI for Medical Diagnosis treatment and prognosis Certificate DeepLearning.AI

Interests

- AI healthcare research
- Stem cell therapy
- Gene editing therapy

Experience

Harvard School of Dental Medicine | Implantology Resident, 07/2021-05/2023

- Implant dentistry and Prosthodontics Practice
- Digital Dental Research and AI healthcare Research

Galan Dental Clinic | Dental Assistant, 08/2020-05/2021

- Assist general dental treatments, implant and sleep apnea treatments

Shanghai Stomatological Hospital | Dentist, 08/2017-07/2019

- General Dentist Practice
- Conduct research of stem cell senescence and bone regeneration engineer

Peking University Stomatological Hospital | Prosthodontics Resident, 09/2012-06/2017

- Prosthodontics and Implant dentistry training.
- Research of DLX3's function and therapeutic potential in bone formation

Selected Publications

- Na Zhao, et al., 2017: "DLX3 promotes bone marrow mesenchymal stem cell proliferation through H19/miR-675 axis" *Clinical Science* 📄 (first author)
- Na Zhao, et al., 2016: "Senescence: novel insight into DLX3 mutations leading to enhanced bone formation in Tricho-Dento-Osseous syndrome" *Scientific reports* 📄 (first author)
- Na Zhao, et al., 2016: "DLX3 negatively regulates osteoclastic differentiation through microRNA-124" *Experimental cell research* 📄 (first author)
- Li Zeng, Na Zhao*, et al., 2018: "miR-675 promotes odontogenic differentiation of human dental pulp cells by epigenetic regulation of DLX3" *Experimental cell research* 📄 (co-first author)
- X Gao, Na Zhao*, et al., 2021: "A novel lipid prognostic signature of ADCY2, LIPE and OLR1 in head and neck squamous carcinoma" *Frontiers in Oncology* 📄 (co-first author)
- Yixin Zhang, Na Zhao* et al., 2022: "Streptococcus mutans-associated bacteria in dental plaque of severe early childhood caries" *Journal of Oral Microbiology* 📄 (co-corresponding author)
- Yanke Hu, W.P. An, Raj S, Na Zhao et al., 2021: "Faster clinical time series classification with filter based feature engineering tree boosting methods" *Explainable AI in Healthcare and Medicine 2021* 📄

Selected Honors, Awards and Scholarships

- Scholarship of Peking University Alumni In North America, 2022
- Award of Outstanding Doctoral Dissertation at Peking University, 2017
- "Infinity Award" in Oral Biomedicine Forum, 2016
- Full National Post-Graduate Scholarship of Peking University, 2012-2017
- Scholarship for Outstanding Scientific Research at Peking University
- Special Scholarship of "Dentsply" in Scientific Research
- Full Scholarship of Huazhong University of Science and Technology, 2007-2012

Professional Achievements

Fundings

- National Natural Science Foundation of China, 2020-2023, Director
Study on the molecular mechanism of DLX3 regulating bone senescence through lncRNA.
- Shanghai Science and Technology Talents Sailing Project, 2019-2022, Director
Establishment of TDO Syndrome-specific iPS Cell Model and Evaluation of Preservation of Alveolar Bone Sites.
- Key Project of Shanghai Stomatological Hospital, 2018-2021, Director
Establishment of TDO Syndrome-specific iPS Cell Model.