DEPARTMENT OF BIOMEDICAL SCIENCES

The Department of Biomedical Sciences is a major locus for basic science and translational research at the College of Dentistry. Departmental faculty interests range widely within a central research focus of craniofacial biology. These research interests include:

1. tissue engineering and regeneration;
2. the genetics of tooth development;
3. the developmental biology of craniofacial tissues;
4. the mechanics of bone;
5. the analysis of craniofacial growth in mutant and transgenic animal models; and
6. neurophysiological and endocrine mechanisms of orofacial pain.

In addition to many well-outfitted individual laboratories, the Department provides access to analytical tools such as confocal microscopy, laser capture microscopy, scanning electron microscopy, real-time PCR, and microCT.

Departmental faculty provide all basic science instruction to dental and dental hygiene students, to graduate students in clinical specialty certificate programs, and to graduate students pursuing an MS or PhD in Oral Biology (both basic science track and clinical track).

Faculty

Bellinger, Larry L, Regents Professor
Biomedical Sciences
PHD, University of California at Davis, 1974

Benson, M D, Associate Professor
Biomedical Sciences
PHD, University of Michigan, 2000

Berry, Charles W, Professor
Biomedical Sciences
PHD, Baylor University College of Dentistry, 1973

Dechow, Paul C, Regents Professor
Biomedical Sciences
PHD, University of Chicago, 1980

Feng, Jian Q, Professor
Biomedical Sciences
PHD, University of Connecticut, 1991

Groppe, Jay C, Associate Professor
Biomedical Sciences
PHD, University of California at Santa Barbara, 1991

Honeyman, Allen L, Associate Professor
Biomedical Sciences
PHD, University of Kansas, 1988

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Biomedical Sciences
PHD, University of Pittsburgh, 2016

Kramer, Phillip R, Professor
Biomedical Sciences
PHD, Texas A&M University, 1996

Liu, Xiaohua, Associate Professor
Biomedical Sciences
PHD, Tsinghua University, China, 2002

Logan, Shaun M, Instructional Assistant Professor
Biomedical Sciences
PHD, University of North Texas Health Science Center, 2009

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PHD, University of Missouri-Kansas City, 2007

Newman, Joseph T, Adjunct Associate Professor
Biomedical Sciences
PHD, University of Texas Medical School at San Antonio, 1973

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Biomedical Sciences
PHD, University of the Witwatersrand, South Africa, 1985

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Biomedical Sciences
PHD, Okayama University, 1998

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Biomedical Sciences
PHARMD, Florida A&M University, 2001

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PHD, McGill University, Montreal, Canada, 2002

Schneiderman, Emet D, Professor
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PHD, University of Michigan - Ann Arbor, 1985

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Biomedical Sciences
PHD, University of Nebraska Medical Center, 1982

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Biomedical Sciences
PHD, Fudan University, China, 2000

Umorin, Mikhail P, Instructional Assistant Professor
Biomedical Sciences
DEN, University of Florida Gainesville, 2004

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MD, Wannan Medical College, People’s Republic of China, 1986

Wang, Jun, Research Assistant Professor
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DDS, Sichuan University, 2016

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PHD, Chinese Academy of Sciences, 1998
Wang, Xiaofang, Assistant Professor
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DDS, Fourth Military Medical University, China, 2003

Zhang, Hua, Instructional Assistant Professor
Biomedical Sciences
PHD, University of Missouri-Kansas City, 2010
MD, Qingdao Medical College, Qingdao, China, 1994