SoDM Faculty Research Interests

**Foundational Sciences**

**Wanda Wright, RN, DDS, MS, MSD**
Oral health disparities, oral health related quality of life, increasing access to oral health care, increasing diversity of the oral health workforce, program development, and integrating public health training and research into dental education.

**Gloria C. Mejia, DDS, MPH, PhD**
Population oral health, particularly methodological approaches to studying oral health disparities. Vulnerable populations, mainly children, as well as underserved groups, through three components: (1) disparities in oral health care, (2) disparities in oral health status, and (3) the consequences of oral diseases and unmet need.

**Sharon M. Gordon, DDS, MPH, PhD**
Barriers to access to oral health care for special needs patients, epidemiology of craniofacial pain, oral complications of immunosuppression and cancer therapies, oral and pharyngeal cancer and risks factors, predictors.

**Raymond Dionne, DDS, MS, PhD**
Pharmacologic management of dental fear/anxiety, pharmacologic management of acute and chronic pain, biomarkers of pain and analgesia

**Linda May, PhD, MS**
Exercise during pregnancy; child development- specifically as it relates to heart, body composition, and oral health measures for the baby before and after birth; improving the overall health of women and children.

**Richard McCabe, PhD**
Regulation of mitochondrial superoxide production, dental education, basic sciences

**Ramiro Murata, DDS, MS, PhD**
Microbiology and mechanisms of biology, and effects of natural products against infectious diseases

**Pediatric Dentistry and Orthodontics**

**Stuart Josell, DMD, MDentSc**
Pediatric dentistry and orthodontics

**Loren Alves, DMD, DABPD, FAAPD**
Pediatric behavior management, matriarchal behavior influences, pharmacologic and non-pharmacologic modifications
V. Wallace McCarlief
dentofacial orthopedics, oral health literacy, history of dental medicine

Michael Webb, DDS, MEd
Sedation and anesthesia in pediatric dentistry, Treatment of Medically, Compromised Children, Medical emergency training, Resident Education

Surgical Sciences

David Paquette, DMD, MPH, DMSc
Novel diagnostic, preventive and therapeutic interventions for periodontal disease; clinical trials, design and statistical considerations; associations of periodontal disease with cardiovascular disease, diabetes and obesity

Bobby Collins, DDS, MS
Xerostomia, burning mouth syndrome, oral cancer, mucositis, vesiculobullous disease

Isabel Gay, DDS, MS
Oral health disparities groups with special emphasis in type 2 diabetes mellitus; microbiology, periodontal diseases and therapy, tissue regeneration by using stem cell therapies, and bimolecular signaling in stem cell differentiation

Kimberly Gise, DDS,
Oral Health disparities, Cultural Competency in Health Care, Improving Access to Care

James Hupp, DMD, MD, JD, MBA

Paul Lindauer, DDS
Application of new clinical instruments and techniques to improve treatment outcomes and reduce pain associated with endodontic therapy

Stevan Thompson, DDS
Bone tissue scaffolds, and regenerative biology in maxillofacial skeletal reconstruction, the diagnosis and surgical management of diseases/disorders, traumatic injuries, anatomic deformities and aesthetic reconstruction of the oral and maxillofacial region of the face/head. Fellowship training in treating head and neck vascular anomalies/birthmarks, surgical placement of dental implants, removal of teeth and other dentoalveolar-preprosthetic surgical procedures
**General Dentistry**

**Linc Conn, DDS, MPH**
Materials testing, clinical materials research, and health services research

**Robert Carter Jr., DDS, MAGD, ABGD**
Operating room dentistry, managing medical emergencies in the dental clinic, special care dentistry, dental materials

**Waldemar de Rijk, PhD, DDS, MS**
Performance of dental adhesives, low shrink composites, properties of endodontic posts and esthetic properties of restorative materials

**Benjamin Dyer Jr., DDS, MAGD**
Dental practice management, clinical instruction

**Nisha Ganesh, DDS**
Exploring methodology to maximize education of clinical topics in dentistry

**Ivelis Hernandez-Ramirez, DMD**
Prosthodontics, fixed prosthesis and removable conventional as well as implant supported prosthesis

**Janet Hood, DDS, MEd**
Community-based service learning, rural access to oral health care, prevention of oral disease, comprehensive general dentistry, applying educational methodology in clinical teaching, instructional design

**Roopwant Kaur, BDS, MS**
Minimally invasive operative dentistry, caries management, implant restorations

**Robert Timothy**
Imaging science, teledentistry