SoDM Faculty Research Interests

**Foundational Sciences**

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

**Sharon M. Gordon, DDS, MPH, PhD**
Epidemiology of craniofacial pain, oral complications of immunosuppression and cancer therapies, oral and pharyngeal cancer and it's risk factors, and predictors.

**Robert Keim, DDS**
The social psychology of facial appearance and evolving orthodontic practice and treatment patterns

**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

**Mark Moss, DDS, PhD**
Community engagement to reduce health disparities, epidemiologic impact of social determinants on oral health, application of systems modeling to public health and health services, public policy to improve access to care for underserved populations, translating biologic mechanisms of health and disease to populations

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

**Pediatric Dentistry and Orthodontics**

Loren Alves, DMD, DABPD, FAAPD

Pediatric behavior management and matriarchal behavior influences

Alex Kordis, DDS

Infant oral health, early childhood caries prevention, dental caries prevention

V. Wallace McCarlile

Dentofacial orthopedics, oral health literacy, history of dental medicine

Nikki G. Tucker, DDS

Access to care challenges in pediatric dental population at SoDM, effectiveness in use of silver diamine fluoride in the pediatric dental population

Michael Webb, DDS, MEd

Sedation and anesthesia in pediatric dentistry, treatment of medically compromised children, medical emergency training, resident education

**Surgical Sciences**

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

**Isabel Gay, DDS, MS**

Oral heath 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

**Paul Lindauer, DDS**

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

**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

**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**
Robert Carter Jr., DDS, MAGD, ABGD
Managing medical emergencies in the dental clinic

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

Benjamin Dyer Jr., DDS, MAGD
Dental practice management

Janet Hood, DDS, MEd
Community-based service learning, rural access to oral health care, 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