

## Matrix of Faculty\* Scholarly Interests &amp; Expertise

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\*This is not a list of all SDM faculty. Individuals listed here have agreed to serve as technical resources in their areas of expertise and/or as research mentors for students.

Name	e-address@buffalo.edu	Department	Scholarly Interests & Expertise (keywords)
Joseph E. Gambacorta, D.D.S.	jeg9	Restorative Dentistry	clinic management, finance management, student debt, student-to-professional transition, outreach dentistry
Nina Kim-Pusateri, D.D.S., M.S.	sk37	Restorative Dentistry	color-shade matching
Camila Sabatini, D.D.S., M.S.	cs252	Restorative Dentistry	dental adhesion, resin composites, matrix metalloproteinases, bond strength, color
Dana M. Qeblawi, D.D.S., M.S.	dqeblawi	Restorative Dentistry	dental ceramics, zirconia, resin cements, esthetics
Sebastiano Andreana, D.D.S., M.S.	andrea	Restorative Dentistry	dental implants, tissue engineering, laser, oral care OTC, dental materials
Frank C. Barnashuk, D.D.S.	fb2	Restorative Dentistry	infection control, organized dentistry
Donald E. Antonson, D.D.S., M.Ed.	antonson	Restorative Dentistry	Interprofessional Education (IPE), curriculum
Jane Brewer, D.D.S., M.S.	brewer	Restorative Dentistry	material optical properties
Peter Bush, B.S.	pjbush	Restorative Dentistry; South Campus Instrument Center	microscopy, spectroscopy, dental materials, forensic dentistry
Violet I. Haraszthy, D.D.S., M.S., Ph.D.	vh1	Restorative Dentistry	periodontics, prosthodontics, microbiology, dental biofilm, mouthrinses, dentifrices, dental implant
Ramtin Sadid Zadeh, D.D.S., M.S.	rsadidza	Restorative Dentistry	physical-mechanical properties, clinical studies, implant-supported prostheses, digital dentistry, dental ceramics, zirconia, dental cements
Latifa Bairam, D.D.S., M.S.	lbairam	Restorative Dentistry	restorative dental materials, implants
Sibel Antonson, D.D.S., Ph.D., M.B.A.	sibela	Restorative Dentistry	restorative dental materials and their interaction with dental tissues, digital technologies

Othman Shibly, D.D.S., M.S.	shibly	Periodontics & Endodontics	clinical implant research, tobacco research
Stephen N. Abel, D.D.S., M.S.D.	sabel2	Periodontics & Endodontics	HIV and oral health, domestic violence
Robert E. Cohen, D.D.S., Ph.D.	rcohen	Periodontics & Endodontics	inflammation, animal models, grafting, immunology, immunochemistry, safety & efficacy
Abhram Maddi, B.D.S., Ph.D.	amaddi	Periodontics & Endodontics	microbiology and molecular biology, fungal genetics, periodontics
Sebastian G. Ciancio, D.D.S.	ciancio	Periodontics & Endodontics	mouthrinses, dentifrices, dental therapeutics, periodontics, pharmacology
Meg Vickerman, D.D.S., Ph.D.	mmv4	Periodontics & Endodontics	oral microbiology, biofilms, antibiotic resistance, endodontics
Robert Schifferle, D.D.S., Ph.D.	res	Periodontics & Endodontics	Porphyromonas gingivalis, capsular polysaccharide, lipopolysaccharide, clinical studies
Christopher M.B. Heard, M.D.	cheard	Pediatric & Community Dentistry; UB Sch. of Medicine: Anesthesiology, Pediatrics	sedation, conscious, parenteral, anesthesia, pharmacology, local anesthetics, airway, medicine, study design, critical care
Meelin (Dian) Chinkit-Wells, D.D.S.	mc30	Pediatric & Community Dent.	community outreach, maternal infant, domestic violence, patient behavior, anxiety
Paul R. Creighton, D.D.S.	pcreight@gmail.com	Pediatric & Community Dent.	general anesthesia, sedation, conscious, parenteral, airway support, domestic violence
Carrie Wanamaker, D.D.S.	cw72	Pediatric & Community Dent.	maternal/infant, conscious sedation, community outreach, behavior, body mass index
Sawsan Tabbaa, D.D.S., M.S.	tabbaa	Orthodontics	Evidence Based Dentistry (EBD), Invisalign, cephalometric, interdisciplinary patient care
Ramon J. Cipriano, Ph.D.	ramon@rochester.rr.com	Oral Diagnostic Sciences	aerosol & atmospheric physics, air pollution, aerosol deposition in the human lung, respiratory & cardiopulmonary physiology
Robert C. Sugarman, Ph.D.	rsc7	Oral Diagnostic Sciences	behavioral science, human factors, ergonomics, simulation, training, personal injury analysis
Robert E. Baier, Ph.D., P.E.	baier	Oral Diagnostic Sciences	biomaterials, bioengineering, surfaces, implants, bioadhesion
Anne E. Meyer, Ph.D.	aemeyer	Oral Diagnostic Sciences	biomaterials, surface analysis, biofouling, friction, implants, regulatory

Jose Luis Tapia, D.D.S., M.S.	jltapia2	Oral Diagnostic Sciences	biomedical ontology, oral pathology, surgical pathology, histopathology, malignant neoplasms, oral & oropharyngeal cancer
Louis J. Goldberg, D.D.S., Ph.D.	goldberg	Oral Diagnostic Sciences	biosemiotics, biomedical ontology
Albert Cantos, D.D.S.	acantos	Oral Diagnostic Sciences	geriatrics, oral medicine
Alfonse J. Gambacorta, D.D.S.	ajg1	Oral Diagnostic Sciences	hospital dentistry, special needs and geriatric dentistry
Patrick Anders, D.D.S., M.P.H.	planders	Oral Diagnostic Sciences	oral medicine, dental education, special care
Michael N. Hatton, D.D.S., M.S.	hatton	Oral Diagnostic Sciences	oral medicine, oral & maxillofacial surgery, simulation technology, artificial saliva
Richard Ohrbach, D.D.S., Ph.D.	ohrbach	Oral Diagnostic Sciences	pain, diagnostic research, psychometrics, disability, epidemiology, psychological factors, biomedical ontology, taxonomy, TMD
Yoly M. Gonzalez, D.D.S., M.S., M.P.H.	ymg	Oral Diagnostic Sciences	temporomandibular disorders, orofacial pain, diagnostic methods, treatments
Laura E. Edsberg, Ph.D.	leedsberg@aol.com	Oral Diagnostic Sciences	TMD/histopathology & proteomics, wound healing
Elaine L. Davis, Ph.D.	eldavis	Oral Diagnostic Sciences	research design and statistics, student attitudes, access to care
Elaine M. Haase, Ph.D.	haase	Oral Biology	Aggregatibacter actinomycetemcomitans, biofilms, gene regulation, sRNA, protein purification
Libuse A. Bobek, Ph.D.	lbobek	Oral Biology	antimicrobial peptides, mechanism of action, C. albicans, salivary research
Mira Edgerton, D.D.S., Ph.D.	edgerto	Oral Biology	Candida albicans, histatins, salivary antifungal proteins, innate immunity, biofilm
Sumant Puri, Ph.D.	spuri	Oral Biology	candidiasis, antimicrobial peptides, salivary histatins, biofilms, iron metabolism, omics
Kiyonobu Homma, D.D.S., Ph.D.	homma	Oral Biology	dental plaque biofilm formation, glycobiology, molecular biology
Ding Xu, Ph.D.	dingxu	Oral Biology	glycobiology, heparan sulfate-protein interaction, protein expression and purification, inflammation, host-pathogen interactions, enzymology, endothelial biology

Stefan H. Ruhl, D.D.S., Ph.D.	shruhl	Oral Biology	host-microbe interaction, salivary proteins, bacterial adhesins, glycobiology, biomaterials
Praveen R. Arany, D.D.S., Ph.D.	prarany	Oral Biology	lasers, wound healing, tissue engineering, biological regulation
Jason G. Kay, Ph.D.	jasonkay	Oral Biology	macrophage and dendritic cell biology, phagocytosis, host-pathogen interaction, endocytic trafficking, lipid signaling
Michelle B. Visser, Ph.D.	mbvisser	Oral Biology	microbial pathogenesis, host-microbial interactions, neutrophil, innate immunity, cell migration, extracellular matrix, cytoskeleton, cell signaling
Chunhao [Chris] Li, M.D.	cli9	Oral Biology	microbial pathogenesis, host-pathogen interactions
Jiang Bian, Ph.D.	jbian	Oral Biology	oral microbial pathogen, molecular microbiology, microbial natural products, microbial ecology
Frank A. Scannapieco, D.M.D., Ph.D.	fas1	Oral Biology	oral microbiology, periodontal diseases, biofilm, saliva, pneumonia
Rosemary Dziak, Ph.D.	rdziak	Oral Biology	osteoblasts, bone regeneration, nanotechnology, tissue engineering, bone scaffolds
Mine Tezal, D.D.S., Ph.D.	mtezal	Oral Biology	periodontal disease, caries, head & neck cancer, human papillomavirus (HPV), epidemiology
Ashu Sharma, Ph.D.	sharmaa	Oral Biology	periodontal pathogens, molecular basis of host-pathogen interactions, host pattern-recognition receptors, innate immunity
Robert J. Genco, D.D.S., Ph.D.	rjgenco	Oral Biology	periodontal systemic associations, microbiome, immunology
Karen L. Falkner, Ph.D.	falkner	Oral Biology	research methods, IRB, clinical trials
Jill M. Kramer, D.D.S., Ph.D.	jkramer	Oral Biology	Sjogren's syndrome, innate immunity, oral pathology, therapeutics
Rose-Anne Romano, Ph.D.	rromano2	Oral Biology	stem cell and organ regeneration, neoplasia, salivary gland, transgenics/knockouts, epigenomics
Shuying [Sheri] Yang, M.D., Ph.D.	sy47	Oral Biology	stem cells, bone regeneration, craniofacial development, bone diseases, gene knockout
Barry C. Boyd, D.M.D., M.D.	bcboyd	Oral & Maxillofacial Surgery	facial, trauma, injuries, anesthesia, airway

Richard E. Hall, D.D.S., Ph.D., M.D.	rhall	Oral & Maxillofacial Surgery	laser, oral cancer, trauma, temporomandibular disorders, anesthesia, photodynamic therapy
Etern S. Park, M.D.	espark2	Oral & Maxillofacial Surgery	oral, head & neck cancer, microvascular reconstructive surgery, transoral robotic surgery, nerve injury/repair, osteoradionecrosis, sentinel lymph node biopsy in head & neck squamous cell carcinoma
Thomas S. Mang, Ph.D.	tsmang	Oral & Maxillofacial Surgery	photodynamic therapy, laser/tissue interactions, biofilm, low-level laser therapy, oncology, autofluorescence of cancer
Pamela C. Jones, Ph.D.	pcjones	Office of the Dean	mobile dentistry, social work in dentistry