

School of Dental Medicine**Matrix of Faculty Expertise & Contacts**

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	Name	e-address @buffalo.edu	Department	Research Interests & Expertise (keywords)
	Elaine M. Haase, Ph.D.	haase	Oral Biology	Aggregatibacter actinomycetemcomitans, biofilms, gene regulation, sRNA, protein purification
	Maciej M. Lis, Ph.D.	lis	Oral Biology	antimicrobial peptides, Candida albicans, fitness profiling, proteomics
	Libuse A. Bobek, Ph.D.	lbobek	Oral Biology	antimicrobial peptides, mechanism of action, C. albicans, salivary research
	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
	Louis J. Goldberg, D.D.S., Ph.D.	goldberg	Oral Diagnostic Sciences	biosemiotics, biomedical ontology
	Marc Campillo-Funollet, Ph.D.	mc239	Restorative Dentistry	bonding, stress analysis, esthetics, remineralization, air abrasion
	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, osmotic stress, biofilms
	Carlos Munoz-Viveros, D.D.S., M.S.	cmunoz	Restorative Dentistry	cements, ceramics, dental adhesives, resin composites, microleakage
	Othman Shibly, D.D.S., M.S.	shibly	Periodontics & Endodontics	clinical implant research
	John H. Campbell, D.D.S., M.S.	jc294	Oral & Maxillofacial Surgery	clinical research, third molars, outpatient surgery & anesthesia, drug trials, trauma
	Hyeong-Il Kim, D.D.S., M.S.	hik	Restorative Dentistry	color science, dental ceramics, dental implants
	Alan H. Ruttenberg, M.S.	alanrutt	Oral Diagnostic Sciences	computational biology, medical informatics, collaborative ontology development, open science, data sharing policy
	Guoqiang Guan, D.D.S., Ph.D.	gguan	Orthodontics	craniofacial growth & development, stem cells, tissue regeneration, biomaterials
	C. Brian Preston, D.D.S., Ph.D.	cbp	Orthodontics	craniofacial growth, respiration, physical anthropology
	Sawsan Tabbaa, D.D.S., M.S.	tabbaa	Orthodontics	craniofacial syndrome, 3D cephalometric analysis, education, invisalign, obesity
	Camila Sabatini, D.D.S., M.S.	cs252	Restorative Dentistry	dental adhesion, resin composites, matrix metalloproteinases, bond strength, color
	Heidi C. Crow, D.M.D., M.S.	hccrow	Oral Diagnostic Sciences	dental care for chronically ill, hospital dental service, graduate dental education, facial pain, temporomandibular joint disorders
	Margaret A. Certo, D.D.S.	macerto	Pediatric & Community Dentistry	dental education, behavior management, trauma, access to care

Sebastiano Andreana, D.D.S., M.S.	andrea	Restorative Dentistry	dental implants, tissue engineering, laser, oral care OTD, dental materials
Willard [Scott] D. McCall, Ph.D.	wdmccall	Oral Diagnostic Sciences	electromyography, pain, jaw reflexes, trigger points
Barry C. Boyd, D.M.D., M.D.	bcboyd	Oral & Maxillofacial Surgery	facial, trauma, injuries, anesthesia, airway
Mary A. Bush, D.D.S.	bushma	Restorative Dentistry	forensic dentistry, forensic science, bitemark research, victim identification, dental materials
Stefan H. Ruhl, D.D.S., Ph.D.	shruhl	Oral Biology	host-microbe interaction, salivary proteins, bacterial adhesins, glycobiology, biomaterials
Robert E. Cohen, D.D.S., Ph.D.	rcohen	Periodontics & Endodontics	inflammation, animal models, grafting, immunology, immunochemistry, safety & efficacy
Richard E. Hall, D.D.S., Ph.D., M.D.	rhall	Oral & Maxillofacial Surgery	laser, oral cancer, temporomandibular disorders, photodynamic therapy
Jane Brewer, D.D.S., M.S.	brewer	Restorative Dentistry	material optical properties
Donald E. Antonson, D.D.S., M.Ed.	antonson	Restorative Dentistry	materials development & testing, clinical trials, composite wear & bond strength, thermal testing, dental sealants
Chunhao [Chris] Li, M.D.	cli9	Oral Biology	microbial pathogenesis, host-pathogen interactions
Peter J.R. Bush, B.S.	pjbush	Restorative Dentistry	microscopy, spectroscopy, materials analysis, forensics, bitemarks
Sebastiano G. Ciancio, D.D.S.	ciancio	Periodontics & Endodontics	mouthrinses, dentifrices, dental therapeutics, periodontics, pharmacology
Michael N. Hatton, D.D.S., M.S.	hatton	Oral Diagnostic Sciences	oral medicine, medical problems, salivary substitutes, simulation, anesthesia
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
Richard K. Ohrbach, D.D.S., Ph.D.	ohrbach	Oral Diagnostic Sciences	pain, diagnostic research, psychometrics, disability, epidemiology, psychological factors, ontology
Mine Tezal, D.D.S., Ph.D.	mtezal	Oral Diagnostic Sciences	periodontal disease, chronic inflammation, head & neck cancer, human papillomavirus (HPV), infection, epidemiology
Hakimuddin T. Sojar, Ph.D.	orbhakim	Oral Biology	periodontal disease, virulence factors, oral pathogens, protein structure, protein function
Thomas S. Mang, Ph.D.	tsmang	Oral & Maxillofacial Surgery	photodynamic therapy, laser, biofilm, low-level laser therapy
Robert Schifferle, D.D.S., Ph.D.	res	Periodontics & Endodontics	Porphyromonas gingivalis, capsular polysaccharide, lipopolysaccharide, clinical studies
Maureen P. Donley, D.D.S.	mpdonley	Oral Diagnostic Sciences	radiology, cone beam, alveolar bone loss, crest height, trabecular bone, age estimation
Karen L. Falkner, Ph.D.	falkner	Oral Biology	research methods, IRB, clinical trials
Olga J. Baker, D.D.S., Ph.D.	olgabake	Oral Biology	salivary glands, tight junctions, tissue engineering, Sjogren's syndrome, inflammation
Christopher M.B. Heard, M.D.	cheard@upa.chob.edu	Pediatric & Community Dentistry	sedation, anesthesia, pharmacology, local anesthetics, airway, medicine, study design
Patrick L. Anders, D.D.S., M.P.H.	planders	Oral Diagnostic Sciences	special needs, dental student attitudes
Shuying [Sheri] Yang, M.D., Ph.D.	sy47	Oral Biology	stem cells, bone regeneration, craniofacial development, bone diseases, gene knockout

Yoly M. Gonzalez-Stucker, D.D.S., M.S., M.P.H.	ymg	Oral Diagnostic Sciences	TMD/pain, epidemiology, treatment modalities, reliability and validity
Moon-Il Cho, Ph.D.	mooncho	Oral Biology	tooth development, dentinogenesis, periodontal ligament fibroblasts, periodontal regeneration