**Master’s Degree in Dental Science: Translational and Clinical Science**

**LIST OF RESEARCH MENTORS**

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| **Name** | **Academic Title** | **Administrative Title** | **Research Support** | **# of Mentored MS**  **or PhD Students** | **Areas of Interest** |
| Jack Caton, DDS, MS | Professor | Department Chair, Program Director, Periodontics; Associate Director for Education, EIOH | Commercial | 5 MS  Co-mentored:  12 MS  5 PhD | Wound healing, diagnosis, tissue engineering, clinical trials |
| Sharon Elad, DMD, MSc | Professor | Chair, Oral Medicine |  | Mentored and  co-mentored:  1 MS  22 DMD theses | Oral diseases, graft versus host disease, oral manifestations of systemic diseases, oral complications of cancer therapy, mucositis, dental treatment of medically complex patients, topical treatments |
| Eli Eliav, DMD, MSc, PhD | Professor | Director, EIOH; Vice Dean for Oral Health, University of Rochester Medical Center | Commercial | None | Chronic pain, neuropathic pain, chronic orofacial pain, transition from acute to chronic pain, pain modulation |
| Carlo Ercoli, DDS | Professor, Prosthodontics and Periodontics | Chair and Program Director, Prosthodontics | Commercial and Foundations | 1 MS | Biomechanics of dental implant, dental materials, cutting protocols for tooth and bone substrates |
| Leonard Fishman, DDS | Professor | Research Director, Orthodontics Department | None | 15 MS | Growth and development |
| Paul Funkenbusch, MS, PhD | Professor of Mechanical Engineering and Materials Science |  | National Science Foundation and Commercial | 4 MS  10 PhD | Experimental design, materials and mechanics, manufacturing and health-related applications |
| Sangeeta Gajendra, DDS, MPH, MS | Associate Professor | Department Clinical Chief, Department of Community Dentistry and Oral Disease Prevention; NYS DPH Residency Program Eastman Dental Site Director | Foundation and NYSDOH Dental Bureau | 1 MPH, 1 MS (current)  AEGD residents, 2 DPH residents | Epidemiology of oral diseases, risk assessment, smoking (traditional, e-cigarette) and periodontal disease, quality of life assessment, oral health surveillance programs, evaluation of public health programs |
| Wei Hsu, PhD | Dean’s Professor, Department of Biomedical Genetics, Center for Oral Biology and Professor, Cancer Center |  | NIH – NIDCR and NCI and NYS DOH – New York Stem Cell | 12 PhD/Postdocs  2 visiting scholars  15 BS | Craniofacial morphogenesis, skeletal development and disease, neural development and degeneration, stem cell biology, birth defects, cancer biology |

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| Junad Khan, BDS, MSD, MPH, PhD | Assistant Professor, Orofacial Pain, EIOH |  | Foundation  Commercial | 23 MS  Co-mentored: 2 PhD | Acute and chronic orofacial pain, pain modulation, exercise induced hypoalgesia, neuropathic pain, pain genetics |
| Dorota Kopycka-Kedzierawski, DDS, MPH | Associate Professor, Department of Community Dentistry and Oral Disease Prevention |  | NIH | Co-mentored:  3 MS | Epidemiology of oral diseases, especially dental caries, risk factors of ECC, teledentistry, obesity and caries |
| Hans Malmström, DDS | Professor | Program Director, Advanced Education in General Dentistry and Chair, Department of General Dentistry | Commercial | Co-mentored:  4 MS | Implantology, laser, halitosis, oral surgery, cariology and esthetic dentistry |
| Luiz Meirelles, DDS, PhD | Assistant Professor, Eastman Institute for Oral Health & Biomedical Engineering |  | Commercial | 3 MS  1 MS candidate  Co-mentored:  3 PhD | Dental implants, tissue responses, osseointegration, peri-implant regeneration, biomaterials, surface properties, clinical follow-up |
| Cyril Meyerowitz, DDS, MS | Professor | Director Emeritus, Eastman Institute for Oral Health | NIH | 1 MS  Co-mentored:  15 MS or MPH | Cariology, salivary dysfunction, dental aspects of medically compromised patients and postdoctoral general dentistry education, practice-based clinical research |
| Catherine Ovitt, PhD | Associate Professor,  Biomedical Genetics,  Center for Oral Biology |  | NIDCR/NIH, Wilmot Cancer Center, Sjogren’s Syndrome Foundation | 3 PhD | Salivary gland function, salivary gland repair and regeneration, radioprotection of the salivary glands, salivary gland carcinomas |
| Robert Quivey, PhD | Professor of Microbiology and Immunology in the Center for Oral Biology | Director, Center for Oral Biology | NIH | 3 MS  12 PhD  Co-mentored:  33 MS  24 PhD | The stress-adaptive defenses of Streptococcus mutans and their role in the pathophysiology of dental caries |
| Yanfang Ren, DDS, PhD, MPH | Professor, Department of General Dentistry | Associate Chairman, General Dentistry and Clinical Chief, Urgent Care – Eastman Institute for Oral Health | Commercial | 2 MS | Clinical and translational research in general dentistry |

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| P. Emile Rossouw, BChD, PhD | Professor | Chair, Department of Orthodontics | Commercial | 5 MS | Bonding, translational research, growth and development including long-term changes and stability, retention, clinical trials including biomechanics, anchorage and outcomes |
| Ralph H. Saunders, DDS, MS | Professor | Director of Dental Service, Monroe Community Hospital | None | 2MS | Investigations of clinical issues in geriatric dentistry including the impact of the use of medications on saliva flow, behaviors of older patients and clinicians who provide their care, epidemiology and preventive dentistry for older adults and issues in education in geriatric dentistry |
| Ross Tallents, DDS | Professor | Program Director, Temporomandibular Joint Disorder Program |  | 4 MS | Pain: clinical and animal studies |
| Alexandra Tsigarida, DDS, MS | Assistant Professor of Clinical Dentistry, Department of Periodontology |  | Commercial | 1 resident who already has a PhD | Investigations of the microbial profile of peri-implantitis, evaluation of clinical and biological complications of different implant supported prosthesis, soft tissue augmentation techniques, use of probiotics in periodontal treatment |
| Edwin van Wijngaarden, MSc, PhD | Associate Professor, Public Health Sciences | Director, Doctoral Program in Epidemiology and Chief, Division of Epidemiology | NIH | 29 MS  11 PhD  Co-mentored:  16 MS  15 PhD | Evaluating the effect of environmental, chemical and physical agents on neurobehavioral and cognitive conditions and cancer |
| Gene Watson, DDS, MS, PhD | Associate Professor, Department of Dentistry, Department of Environmental Medicine & Department of Pharmacology and Physiology | Director of Salivary –Dysfunction Center (Department of Dentistry); Director, Mercury Analytical Laboratory (Department of Environmental Medicine) | NIEHS, NIDCR & Commercial | Co-mentored:  4 MS  2 PhD | Toxicology of mercury and other heavy metals, disturbances of salivary gland function, dental caries, pharmacologic agents |

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| Cynthia Wong, DMD, MS | Assistant Professor,  Department of Dentistry, Division of Pediatric Dentistry | Research Coordinator – Division of Pediatric Dentistry | None | None | Early childhood caries, caries prevention modalities: chemotherapy, motivational interviewing, dental trauma |
| Xinping Zhang, MD, MSc, PhD | Associate Professor, Center for Musculoskeletal Research |  | NIH/NIAMS | None | Tissue engineering periosteum, intravital imaging of cranial defect repair and molecular control of osteogenic differentiation of MSCs |

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