

PROMOTION RECOMMENDATION
The University of Michigan
School of Dentistry

Mark Fitzgerald, associate professor of dentistry, with tenure, School of Dentistry, is recommended for promotion to professor of dentistry, with tenure, School of Dentistry.

Academic Degrees:

MS	1983	University of Michigan, Restorative Dentistry, School of Dentistry
DDS	1980	University of Michigan School of Dentistry

Professional Record:

1994-present	Associate Professor, with tenure, Cariology, Restorative Sciences and Endodontics, School of Dentistry, University of Michigan
1983-1994	Assistant Professor, Operative Dentistry, School of Dentistry, University of Michigan
1980-1983	Clinical Instructor, Operative Dentistry, School of Dentistry, University of Michigan

Summary of Evaluation:

Teaching: Professor Fitzgerald has had a profound teaching record at the University of Michigan. He persistently teaches with enthusiasm, innovation and dedication seeking novel methods and approaches evidenced by his various and highly praised leadership roles at the School of Dentistry. Professor Fitzgerald's teaching has focused prominently on the pre-doctoral level in operative dentistry, practice management, Interprofessional Education (IPE), and Community Based Dental Education. He has overseen the education of over 4,000 learners through his career and has been fully engaged in teaching throughout his time at the University of Michigan. He has been a pioneer and leader in the creation and expansion of Interprofessional Education (IPE) experiences at the University of Michigan. Interprofessional Education and Interprofessional Collaborative Care have become key components of the school's curriculum largely due to Professor Fitzgerald's leadership. Notably, the incorporation of Interprofessional in the school's curriculum has helped position the University of Michigan as a leader in dental education. He has improved and expanded Interprofessional Education and Interprofessional Collaborative Care by creating opportunities for real-life experiences for the school's third and fourth year dental students through the hospital dentistry rotations and outreach clinics throughout the state of Michigan.

Professor Fitzgerald's didactic and clinic course teaching is impressive. He has served as the course director or co-director for innumerable courses such as Practice Management, Interprofessional Education Collaborative Care Seminar, Pre-doctoral Comprehensive Care courses, Principles of Restorative Dentistry, Principles of Operative Dentistry, Societal and Regulatory Issues Affecting Dentistry, Introduction to the Profession, Evidenced Based Dentistry, Grand Rounds, Clinical Applications of Direct Restorations, Dental Profession and Practice, Advanced Restorative Dentistry, Oral Healthcare Systems and Policy, Team-Based Clinical Decision Making, Professionalism and Practice Management and more. He has continually enhanced his teaching materials and methodology by adopting innovative teaching models and advanced technologies to improve learning. Professor Fitzgerald has continually received high praise for his teaching from students and peers, stating that he is sincerely committed to teaching and to the successful training of students.

Professor Fitzgerald lists an impressive 21 teaching awards while in rank. Recently, he has received the Michigan Dental Association Dental Faculty Award (2023), Provost's Teaching Innovation Prize (2022), and the Michigan Center for Interprofessional Education Awards for Innovation and Excellence Team Award (2022). At the international level, he was the EdTech Instructional Management System (IMS) Global Learning Impact Bronze award winner (2022). In recent years, he has received the Mentor Fellow of the University of Michigan Public Engagement Faculty Fellowship Program award (2020), the Michigan Center for Interprofessional Education Award for Innovation and Excellence-Team and the Individual Faculty Award (2020), the Outstanding Faculty Award (2019), University of Michigan Road Scholars Faculty award (2017), University of Michigan Provost's Teaching Innovation Prize (2015 and 2022). Additionally, Professor Fitzgerald has been awarded the Instructor of the Year by students numerous times throughout his teaching career. Most recently at the national level, Professor Fitzgerald has received the Midwest Interprofessional Practice, Education, and Research Center Demonstration Model Award for Interprofessional Education Foundations Experience (2019) and for Clinical Experience (2018), and the prestigious ADEA/Colgate-Palmolive Excellence in Teaching Award (2014).

Research: Professor Fitzgerald's scholarship interest is in the concepts, development and testing of novel teaching methodologies and assessment of outcomes that result from innovative interdisciplinary approaches to teach health sciences to students. To fund this work, he is the principal investigator of two awards from the Michigan Dental Association Foundation and co-investigator of a project funded by Delta Dental. He is also a co-investigator to a 1.5 million dollar project from the United States Health Resources and Services Administration titled Enhancing community-based dental education for care of infants, toddlers, and preschool-aged children." This grant involves the development, implementation, outcome assessment and interprofessional education based model for treatment of young children. Professor Fitzgerald has a total of 37 peer reviewed publications (13 as senior author, four as first author), while 24 of these papers were published within rank. He published 132 abstracts, three non-peer reviewed papers and one book chapter. He has had multiple non-traditional scholarship contributions that have been absolutely essential and impactful to dental education and to the teaching of interprofessional education. He has developed six electronic media modules and published two instructional materials for teaching basic concepts of restorative dentistry. In addition, he was the author and producer of 32 course websites and 17 instructional videos. Professor Fitzgerald was also an invited speaker at innumerable national and international conferences and professional meetings.

Recent and Significant Publications

- Sheridan RA, Hammaker DJ, Peralta TL, Fitzgerald M. Dental Students' Perceived Value of Peer-Mentoring Clinical Leadership Experiences. *J Dent Educ* 2016;80:311-7.
- Peralta TL, Ramaswamy V, Karl E, Van Tubergen, E, McLean, ME, Fitzgerald M. Caries Removal by First-Year Dental Students: A Multisource Competency Assessment Strategy for Reflective Practice. *J Dent Ed* 2017;81(1):87-95.
- Ramaswamy V, Fitzgerald M, Danciu T, Nalliah R, de Peralta T, Munz S, Murdoch-Kinch C. Entrustable Professional Activities Framework for Assessment in Pre-doctoral Education, Developed Using a Modified Delphi Process. *J Dent Educ* 2021;1-13.
- Mattison D, Smith LJ, Balzer K, Pavireddy V, Bishop T, Farris K, Fitzgerald M, Rulli D, Trupiano N, Anderson OS. Longitudinal Interprofessional Family-Based Experience (LIFE): An Authentic Experiential Interprofessional Education Learning Framework. *Pedagogy in Health Promotion* 2021;9-1.

Gross M, Phanudulkitti C, Bavireddy, V, Anderson O, Daniels T, Fitzgerald M, *et al.* Changes in student attitudes toward IPE after sequenced introductory learning activities: the University of Michigan experience among 11 schools. *J Health Interprof Pract Educ* 2022, 4(3):eP2164.

Service: Professor Fitzgerald's service contributions are outstanding. He has served as the interim chair of the Department of Cariology, Restorative Sciences and Endodontic at the School of Dentistry for one year, and as the associate chair for 16 years. Over his tenure at the University of Michigan, he has served on 20 department committees, 68 school-wide committees, 12 university committees, and seven national and international committees. He has served on the School of Dentistry's curriculum committee for the past 22 years, and as discipline coordinator for restorative dentistry for 16 years. He is currently the co-chair of the University of Michigan Interprofessional Education Committee, and the faculty director of the Standardized Patient Program. Professor Fitzgerald is also the associate dean for community-based collaborative care and education at the School of Dentistry, and leadership lead for the School of Dentistry Human Resources. He has been site visitor for the Commission on Dental Accreditation at dental schools around the country for several years. He is a member of the Michigan Oral Health Coalition Board since 2020. He serves as a manuscript reviewer for ten journals. Professor Fitzgerald has organized the dental school blood drive for the past 35 years and provides dental care as a general dentist in the Dental Faculty Associates clinic at the School of Dentistry.

External Reviewers:

Reviewer A: "Of particular note is his work on establishing entrustable professional activities for dental education. This work will be game changing as dentistry moves from foundational skill-based competencies to independently performed care which attendings can rely upon... There is no question in my mind that Dr. Fitzgerald is a leader and in the forefront of dental education pedagogy and assessment. This is evidenced by the many awards he has received from the University of Michigan, his leadership in the area of interprofessional education and his activities at the American Dental Education Association."

Reviewer B: "Dr. Fitzgerald has established an excellent reputation related to interprofessional education and is viewed amongst the leaders in the development and promotion of this area in dental education... It is apparent that Dr. Fitzgerald is an innovator and believer in seeking novel methods and approaches to learning that can be supported through documented evidence. It is this willingness to focus on continual improvement in his teaching methods that sets Dr. Fitzgerald apart from others with respect to teaching."

Reviewer C: "It is apparent that Dr. Fitzgerald is hardworking, dedicated, academically-minded and versatile. There is strong evidence within the submitted materials that he has made significant contributions to the school and university not just in one primary domain but in many important domains including teaching, leadership, educational research, entrepreneurial endeavors and service... An important aspect to recognize is that across both his service and teaching activities, Dr. Fitzgerald has demonstrated a true entrepreneurial spirit in developing strategies and approaches that have melded certain previously discrete goals, such as the effort to expand student learning and clinical activity while improving access to care in disadvantaged communities across Michigan."

Reviewer D: "He clearly is well regarded by his peers and has established a national and international reputation... His research efforts appear to be seamlessly integrated with his teaching activities, with many of his publications being the result of his service in student's research

committees. It is of note that he has published more than 40 peer-reviewed publications and more than 120 abstracts, many of them in highly ranked journals in his area.”

Reviewer E: “Also, of tremendous impact has been in his work as a contributor to the development of entrustable professional activities as an assessment framework in dental education.

Dr. Fitzgerald’s impact has been further substantiated by his continuous history and successful support through various grants to advance oral health... For dentistry to remain relevant, it will require individuals like Dr. Fitzgerald to help bridge the value of oral health to other parts of healthcare. He has clearly been successful in this area as recognized by his peers for this work.”

Reviewer F: “Dr. Mark Fitzgerald is recognized, by all, as a leader in interprofessional and community dental education. Not only is he a leader, but many consider a valued advisor for leadership... Dr. Mark Fitzgerald demonstrates the ability to bring acceptable consensus to a broad diversity of people at every university he has helped lead and still preserves innovation.”

Summary of Recommendation:

Professor Fitzgerald’s contributions to teaching, scholarship and service are significant and impactful to the field of dentistry and to all health professions through his work in interprofessional education. He is an entrepreneur in new learning methodologies and has been a school and university leader in the creation and expansion of interprofessional education and interprofessional collaborative care. His scholarly contributions demonstrate the impact of his work and are examples of where education, service and scholarship intersect. His publications have been impactful in dental education making him a leader in standardized patient care. It is with the support of the Executive Committee, that I recommend Mark Fitzgerald for promotion to professor of dentistry, with tenure, School of Dentistry.



Jan Hu
Interim Dean, School of Dentistry

May 2023