

PROMOTION RECOMMENDATION  
THE UNIVERSITY OF MICHIGAN  
MEDICAL SCHOOL  
DEPARTMENT OF FAMILY MEDICINE

Tammy Chang, M.D., M.P.H., M.S., assistant professor of family medicine, Department of Family Medicine, Medical School, is recommended for promotion to associate professor of family medicine, with tenure, Department of Family Medicine, Medical School

Academic Degrees:

M.S.	2013	University of Michigan
M.D.	2007	University of Michigan
M.P.H.	2007	University of Michigan
B.S.	2002	University of Michigan

Professional Record:

2013-Present	Assistant Professor of Family Medicine, University of Michigan
2011-2013	Clinical Lecturer of Family Medicine, University of Michigan
2010-2011	Adjunct Lecturer of Family Medicine, University of Michigan

Summary of Evaluation:

Teaching: Dr. Chang delivers instruction didactically in the National Clinical Scholars Program where she serves as a co-director and presents lectures as well as provides mentoring to the fellows. She also lectures to family medicine residents in the residency didactic curriculum. Dr. Chang also teaches through continuing medical education courses. She provides direct clinical teaching to residents and medical students in various settings, including at the Ypsilanti Health Center, the Corner Health Center, and the Regional Alliance of High Schools clinics where she teaches medical students and residents. In 2018 and 2002, Dr. Chang received the Token of Appreciation from Medical Students Award, attesting to her high quality medical student teaching. She has mentored 19 undergraduate students, one graduate student, 12 medical students, nine fellows and 18 residents. Her teaching excellence is reflected in teaching evaluations that reflect scores in the very good to excellent range.

Research: Dr. Chang has been enormously productive with her research, which centers around adolescent health. She conceptualized, developed and implemented MyVoice, which focuses on social media and texting, which are common ways of communication in this population. MyVoice is a text based data gathering program which obtains both objective and narrative data from adolescents around the country. MyVoice has generating significant national attention, including data and collaboration requests from numerous investigators and organizations. Dr. Chang has a particular interest in adolescent pregnancy and obesity, and was recently awarded an NIH R01 to study the potential for grocery delivery to promote healthy weight gain among low-income pregnant young women. Her research has yielded 60 peer-reviewed articles. She has disseminated her work widely and effectively through 26 extramural invited presentations regionally, nationally and internationally. Dr. Chang is well funded for her research as the principal investigator of six

current grants from the National Academy of Sciences, the NIH, Meijer and the University of Michigan.

Dr. Chang has received numerous awards as a result of her outstanding research programs, including the James C. Puffer, M.D. American Board of Family Medicine Fellowship from the National Academy of Medicine in 2017, and the North American Primary Care Research Group Pearl Award in 2018.

Recent and Significant Publications:

Waselewski EA, Waselewski ME, Chang T: Needs and coping behaviors of youth in the United States during COVID-19 *J Adolesc Health*. (In Press)

Wood G, Waselewski M, Bryant A, Sonnevile K, Chang T: Perceptions of “JUUL” among youth in the United States. *JAMA Pediatr*. 174(8):800-802, 2020.

Moniz M, Davis M, Chang T: Attitudes about mandated coverage of birth control medication and other preventative health benefits in a US population. *JAMA*. 311(24):2539-2541, 2014.

Chang T, Choi H, Richardson CR, Davis MM: Implications of teen birth for overweight and obesity in adulthood. *Am J Obstet Gynecol*. 209(2)110.e1-7, 2013.

Chang T, Chopra V, Zhang C, Woolford S: The role of social media in online weight management interventions: a systematic review. *J Med Internet Res*. 15(11):e262, 2013.

Service: Dr. Chang has been very involved in multiple local, regional and national committees and organizations. Institutionally, she has served as a member of eight committees, both for the Department of Family Medicine, as well as for the university over the past seven years. Nationally, she is involved with nine committees, and has served on study sections for the National Institutes of Health, and is an ad hoc reviewer for 20 journals. Dr. Chang is a peer reviewer for both the Society of Teachers of Family Medicine and the Robert Wood Johnson Clinical Scholars Program national meetings. She has also served as a board member for numerous high profile national organizations, including for the North American Primary Care Research Group and the Society of Teachers of Family Medicine as well as the Children, Youth and Families Board for the National Academies of Sciences, Engineering and Medicine (NASEM). Dr. Chang was recently selected as a co-author of a high impact NASEM consensus study focused on promoting positive adolescent health behaviors and outcomes in the 21<sup>st</sup> century. She is a past board member of the CAFM Education Research Alliance Steering Committee, a consortium of all major family medicine organizations, which focuses on surveying family medicine residency programs on various issues.

External Reviewers:

Reviewer A: “Dr. Chang has become one of the rising super-stars for research in Family Medicine on a national level and international level...I have been continually impressed by her superior intellectual attainment and creative achievement. Her CV is overflowing with accomplishments, awards, teaching activities, and mentorship...I recommend her fully for promotion at the University of Michigan. In fact, she might already qualify for Professor at our institution.”

Reviewer B: “Dr. Chang has also committed to mentoring dozens of faculty, residents, medical students and undergraduate students as part of her research work and teaching. Nationally, she was honored as the ABFM Puffer IOM fellow and has remained active with her professional academic organizations, recently serving as chair of the STFM research committee...I think she is superior to her peers in family medicine research at this stage, having already been recognized as a star in our field. Her work using social media and texting technology to reach adolescents is ground-breaking and has pushed the envelope of adolescent medicine research. She easily meets your institution’s criteria for promotion, and I believe she has already exceeded the criteria for Associate Professor at my own institution.”

Reviewer C: “...I can attest that Dr. Chang is well-known and well-respected by her peers nationally and internationally for her innovative and impactful research and scholarship...In addition to her substantial research and scholarship, Dr. Chang has demonstrated superb national leadership and mentorship...Without a doubt, I believe that Dr. Chang clearly qualifies for promotion to the rank of Associate Professor with Tenure in the Department of Family Medicine at the University of Michigan Medical School, based on the guidelines shared with me.”

Reviewer D: “...my review of her packet today provided me a much deeper conviction that she merits the promotion that is under consideration...Dr. Chang is doing innovative and important work using novel online survey methodologies to access health-related views and opinions of youth. She has also developed a consistent line of research related to obesity prevention among pregnant women. She has published extensively along these lines of inquiry and has an impressive number of peer-reviewed publications for an assistant professor.”

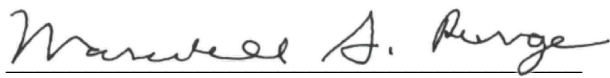
Reviewer E: “After carefully reviewing Dr. Chang’s dossier, the key impression I wish to convey is that it seems to me she is a ‘slam dunk’ for promotion to Associate Professor with Tenure...Like all the best researchers, Dr. Chang seems to have an innate ability to quickly zero in on the most pressing issues and problems facing clinicians, the health care system, and our nation, speaking to the importance and potential impact of her work...I would wager there are very few if any other Assistant Professors of family medicine a mere seven years out of fellowship training who have fifty-four (54) peer-reviewed journals and publications – an average of 7-8 per year.”

Reviewer F: “It is clear that Dr. Chang is a fierce innovator and brings not just a command of methods but a ‘can-do’ spirit to her work. These types of thinkers and researchers are rare and valuable. Reflecting the quality of her science and its value, her work has been published in high impact factor journals and has been an area of special focus [in] some journal issues. Several external barometers also clearly signal Dr. Chang’s recognition as a rising disciplinary star. Dr. Chang’s position as Chair of the STFM Research Committee is normally a position for a much more senior researcher. Additionally she presented a keynote plenary at the 2019 NAPCRG meeting with significant acclaim for her work, again a role normally occupied by a more senior researcher.”

Reviewer G: “Dr. Chang held a variety of teaching roles. She has mentored undergraduates, graduates, medical students, residents and faculty. She has been a research mentor to Robert Wood Johnson Foundation Clinical Scholars, a significant honor...Dr. Chang would exceed the criteria for recommendation for appointment to the level of Associate Professor at [my institution].”

Summary of Recommendation:

Dr. Chang is an outstanding academic family physician whose rigorous research training and methodologic expertise had led to significant success as an independent investigator in the field of adolescent health, with clear national impact and admiration among her colleagues. She is an expert in the use of social media to address obesity in teenagers, and her recent R01-funded study will build on her strong foundation of accomplishment, and widen her influence as a national leader in family medicine and adolescent health. I am pleased to recommend Tammy Chang, M.D., M.P.H. M.S. for promotion to associate professor of family medicine, with tenure, Department of Family Medicine, Medical School.



Marschall S. Runge, M.D., Ph.D.  
Executive Vice President for Medical Affairs  
Dean, Medical School

May 2021