

PROMOTION RECOMMENDATION
UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF INTERNAL MEDICINE

Xiaochun Yu, M.D., Ph.D., assistant professor of internal medicine, Department of Internal Medicine, Medical School, is recommended for promotion to associate professor of internal medicine, with tenure, Department of Internal Medicine, Medical School.

Academic Degrees:

2002	Ph.D.	Kurume University
1996	M.D.	Beijing University Medical School

Professional Record:

2006-present	Assistant Professor of Internal Medicine, University of Michigan
2002-2006	Research Associate, Mayo Clinic, Rochester, MN
1996-1998	Research Assistant, Kurume University Medical School, Japan

Summary of Evaluation:

Teaching: Dr. Yu has excelled in teaching and mentoring students at various stages of education. He participates in the Internal Medicine Grand Rounds. He has also volunteered his time to several other departments such as Pathology and Radiation Oncology including his participation in the Pathology Research Series Seminar. He gave a lecture on "Mechanisms of Cell Death" to radiobiology residents in 2009-2010. He currently teaches two Critical Analysis courses in Biological Chemistry. He is presently mentoring two students and eight postdoctoral fellows. Dr. Yu serves as a committee member on a dissertation committee. In 2009, he joined the Undergraduate Research Opportunity Program and provides instruction on biomedical research to undergraduate students. Dr. Yu joined the Cellular and Molecular Biology Program in 2008 to assist with graduate student seminars. He also mentored a visiting scholar from the Lanzhou University in China.

Research: Dr. Yu's area of expertise is the mechanisms of DNA damage response and its role in tumorigenesis. His research is known within the United States and internationally. Dr. Yu is the principal investigator on four grants; two of which are R01 grants. He has also received many prestigious awards which demonstrate his research is highly regarded in his field. In 2006, Dr. Yu received the AACR-Susan G. Komen Career Developmental Award. He also received the American Cancer Society Research Scholar award in 2009. Additionally, the Department of Defense Breast Cancer Research Program honored Dr. Yu with the Era of Hope Scholar award in 2010. Dr. Yu has published 25 peer-reviewed journals and served as senior author on nine of those. Dr. Yu provides peer review service to eight journals. He is also a scientific reviewer on several study sections. He was been invited to give presentations in China and throughout the United States.

Recent and Significant Publications:

Lu L.Y., Wu J., Ye L. Gavrilina G.B., Saunders T.L. and Yu X.: RNF8-dependent histone modifications regulate nucleosome removal during spermatogenesis. *Developmental Cell* 18:371-384, 2010.

Zhang F., Ma J., Wu J., Ye L., Cai H., Xia B. and Yu X.: PALB2 links BRCA1 and BRCA2 in the DNA damage response. *Current Biology* 19:524-529, 2009.

Huen M., Grant R., Manke I., Minn K., Yu X. Yaffe M. and Chen J.: The E3 ubiquitin ligase RNF8 propagates the DNA damage signal via an ubiquitin-dependent signaling pathway. *Cell* 131:901-914, 2007.

Liu Z., Wu J., and Yu X.: CCDC98 targets BRCA1 to DNA damage sites. *Nature Structural and Molecular Biology* 14:716-720, 2007.

Kim H., Chen J. and Yu X.: Ubiquitin-binding protein RAP80 mediates BRCA1-dependent DNA damage responses. *Science* 316:1202-1205, 2007.

Service: Dr. Yu provides invaluable service to the University of Michigan by not only serving on several committees within his department but also outside the department. He is a member of the Cancer Genetic Program for the Cancer Center, and a member of the Molecular Mechanisms of Disease Program. In 2010, he joined the Cellular and Molecular Biology Program's admission committee for recruiting graduate students. Dr. Yu also serves as a scientific reviewer for several organizations including the China National Science Foundation, Israel Science Foundation, NIH Ad Hoc Reviewer for Challenge Grants of ONC OBT, the Italian Department of Research, the Research Grants Council of Hong Kong and the Department of Defense.

External Review:

Reviewer A: "...I would rate his research accomplishment outstanding among his peers. He is the PI of 1 ACS, 2 NIH RO1, and a large prestigious DOD grant. These funding clearly reflect Dr. Yu's capability in research planning, identifying critical scientific directions and grantsmanship."

Reviewer B: "Dr. Yu is now very well known for his elegant work on RNF8, from its discovery to the characterization of its role in development...In my opinion, he is clearly outperforming others in his peer group...Dr. Yu has made many high-impact/high-quality contributions in our field... Dr. Yu is well-equipped to fulfill his promise of becoming an international leader in the field of DNA repair/DNA damage signaling."

Reviewer C: "...Dr. Yu is an outstanding scientist with a strong track record of making multiple ground breaking contributions to the field of cancer research in the past and has been highly recognized as one of the accomplished scientists in his research area...Dr. Yu's discoveries made strong impacts on how we view DNA damage response and are partially responsible for the big surge of research interest in the role of ubiquitination in DNA damage response."

Reviewer D: "...Dr. Yu has made his own mark with his independent study by the publication of a number of papers without Dr. Chen as a collaborator...Collectively those pieces of scholarly work produced by Dr. Yu, either in collaboration with Dr. Chen or by his own laboratory, truly demonstrate the star-power of Dr. Yu to move the field forward in such an astonishing pace...He has made very significant contributions to his research field and commanded the respect and attention of his international colleagues."

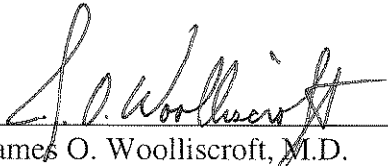
Reviewer E: "I think that Dr. Yu is a very intelligent and well-planned scientist. Dr. Yu's accomplishments demonstrate that he is a highly reputable scientist in DNA damage response field...Dr. Yu has generated enormous contributions to advance the fields of DNA damage response and breast cancer research...Dr. Yu is also the reviewer for several international renowned journals."

Reviewer F: "His work significantly contributes to the field of DNA damage checkpoint and repair...Although it has been only four years since Dr. Yu stated his own lab, he has been recognized in the field because of his important work and his productivity...In summary, Dr. Yu is an outstanding principal investigator among his peers in the field. He has demonstrated his excellent scientific ability and maturity."

Reviewer G: "Dr. Yu is an outstanding scientist who has made important contributions to the fields of DNA damage response and breast cancer prevention...Dr. Yu recently received Era of Hope Scholar Award from the Department of Defense. This award is only granted to the stellar scholar in breast cancer research field. Thus, this award itself explains Dr. Yu's phenomenal achievements in academia."

Summary of Recommendation:

Dr. Yu is a prolific and distinguished scientist who has made many contributions to the field of DNA damage response. Based on his record of receiving many prestigious awards and grants, Dr. Yu is unquestionably a faculty member who contributes greatly to the University of Michigan's outstanding reputation. I am pleased to recommend Dr. Yu for promotion to associate professor, with tenure, in the Department of Internal Medicine, Medical School.



James O. Woolliscroft, M.D.

Dean

Lyle C. Roll Professor of Medicine

May 2011