

PROMOTION RECOMMENDATION
UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF INTERNAL MEDICINE
DEPARTMENT OF MOLECULAR AND INTEGRATIVE PHYSIOLOGY
DEPARTMENT OF CELL AND DEVELOPMENTAL BIOLOGY

Gary D. Hammer, M.D., Ph.D., associate professor of internal medicine, with tenure, Department of Internal Medicine, associate professor of molecular and integrative physiology, without tenure, Department of Molecular and Integrative Physiology, and associate professor of cell and developmental biology, without tenure, Department of Cell and Developmental Biology, Medical School, is recommended for promotion to professor of internal medicine, with tenure, Department of Internal Medicine, professor of molecular and integrative physiology, without tenure, Department of Molecular and Integrative Physiology, and professor of cell and developmental biology, without tenure, Department of Cell and Developmental Biology, Medical School.

Academic Degrees:

Ph.D.	1992	Tufts University
M.D.	1992	Tufts University
B.A.	1985	University of Vermont

Professional Record:

2010-present	Associate Professor of Cell and Developmental Biology, University of Michigan
2005-present	Associate Professor of Molecular and Integrative Physiology, University of Michigan
2005-present	Associate Professor of Internal Medicine, University of Michigan
1999- 2005	Assistant Professor of Molecular and Integrative Physiology, University of Michigan
1999- 2005	Assistant Professor of Internal Medicine, University of Michigan
1995-1999	Assistant Research Physiologist, Department of Physiology, University of California San Francisco
1995-1997	Clinical Instructor, Department of Medicine, University of California San Francisco

Summary of Evaluation:

Teaching: Dr. Hammer is an outstanding teacher and mentor. He has been involved in teaching in the classroom, the laboratory and the clinic. In these settings, he has taught medical students, graduate students, post-doctoral fellows, residents and fellows. As a member of 13 institutional training programs, he has mentored numerous graduate students and postdoctoral fellows in his laboratory, many of whom have received awards for their scholarly work and have gone on to excellent positions. Additionally, Dr. Hammer lectures in graduate school and medical school

courses, presents at clinical conferences, and trains medical students and house officers in the adrenal cancer clinic and on the endocrinology inpatient service. At the national level, he served as chair of the Endocrine Society Student Affairs Committee.

Research: Dr. Hammer's research focuses on adrenal development and tumorigenesis. He has made seminal contributions to the field and is widely regarded as one of the world's leading experts in this area. He has 55 peer-reviewed manuscripts with 35 as first or senior author, has contributed nine book chapters, and is the editor of two textbooks. Dr. Hammer currently holds two individual NIH R01 grants for his research and is the prior recipient of an American Cancer Society award, and an NIH K08 award. His international reputation is evident in his numerous invited talks, and extensive peer-review service. Dr. Hammer has also served on the editorial board of five journals, and currently serves on the Endocrine Society's Council (board of directors). In 2005, he was the recipient of the Department of Internal Medicine's Jerome Conn Award for Outstanding Research, and was also named as the University's Millie Schembechler Chair in Adrenal Cancer. In 2008, Dr. Hammer was elected to the American Society of Clinical Investigation.

Recent and Significant Publications:

Looyenga BD, Wieters E, Vale WW, Hammer GD: Inhibin-A antagonizes TGF β 2 signaling by downregulating cell surface expression of the TGF β co-receptor betaglycan. *Molecular Endocrinology* 24:608-620, 2010.

Else T, Kim AC, Trovoto A, Ferguson DO, Lucas PC, Hammer GD: Genetic p53 deficiency partially rescues adrenocortical dysplasia (acd) phenotype at the expense of increased tumorigenicity. *Cancer Cell* 15:465-476, 2009.

Yang W-H, Heaton JH, Brevig H, Mukherjee S, Iñiguez-Lluhí JA, Hammer GD: Sumoylation inhibits SF-1 activity by reducing CDK7 mediated Ser 203 phosphorylation *Molecular & Cellular Biology* 29:613-625, 2009.

Kim AC, Reuter AL, Zubair M, Serecky K, Else T, Bingham NC, Lavery GG, Parker KL, Hammer GD: Targeted disruption of β -catenin in Sf-1-expressing cells impairs development and maintenance of the adrenal cortex. *Development* 135:2593-602, 2008.

Hockemeyer D, Else T, Daniels J-P., Palm W, Ye JZ-S, deLange T, Hammer GD: Cooperative telomere protection provides evidence for correspondence of POT1/TPP1 to ciliate TEBP α/β . *Nature Structural and Molecular Biology* 14:754-61, 2007.

Service: Dr. Hammer has an outstanding record of service at the University of Michigan. He has served on numerous institutional committees, and since 2005 has been the director of the Comprehensive Cancer Center Endocrine Oncology Program. In 2009, he was also named as the director of the Center for Organogenesis. Nationally, he has been very active in the Endocrine Society and has held leadership roles in that organization. He served as the chair of the Society's Student Affairs Committee and currently sits on the Society's Council (board of directors). Dr.

Hammer also remains active clinically, both in the adrenal cancer clinic and on the endocrinology inpatient service.

External Review:

Reviewer A: “Dr. Hammer is the leading investigator studying adrenal development and tumorigenesis in the United States....Dr. Hammer’s consistent success in attracting and training students and fellows, publishing important work with a consistency of theme in major journals, excellent track record for independent funding make him a leader in the international endocrine community.”

Reviewer B: “...Dr. Hammer is an outstanding investigator who has developed a substantial international reputation in his field, and I fully support this promotion. I expect that any top biomedical research institution would be very pleased to have Dr. Hammer on its faculty.”

Reviewer C: “It also is evident that Dr. Hammer has had an impact on academic life within the University of Michigan through his teaching of medical and graduate students, residents and fellows, his mentorship of graduate students and postdoctoral trainees and his teaching in a sizable number of courses. He also has participated in a variety of intramural committees and appears to be an excellent citizen of the University.”

Reviewer D: “Dr. Hammer is a well recognized leader in the field of adrenal biology....His efforts have transformed this field, and he is certainly at its forefront internationally.”

Reviewer E: “Dr. Hammer is a great example of a translational scientist whose work in basic areas and rodent physiology has promise for development of new and important therapeutics in man....He is well known in the adrenal community as someone who is going to push the envelope and find new approaches to adrenal cancer.”


Reviewer F: “I must say that Dr. Hammer is truly a medical school’s dream researcher. His ability to run an outstanding bench science program and establish an internationally recognized clinical center makes him a highly desired commodity on the ‘open market’. It might be worth attempting to clone Dr. Hammer and sharing his clones with a few other institutions—I know our school would love to have a researcher with his diversity, enthusiasm and drive.”

Reviewer G: “The support he received through the Millie Schembechler Professorship early in his career has reaped synergistic benefits for his career and the institution....He has multifaceted talents that have been recognized both within his university, nationally and internationally.”

Reviewer H: “Clearly, he is recognized by his peers for his investigative skill and innovative insights and technical approaches, and is considered as one of a handful of true experts in adrenal cancer in the world....Dr. Hammer embodies the qualities of academic excellence, scholarship, intellectual honesty, humanistic compassion and integrity that serve to make him a superb role model for his peers and students, and it is highly likely that he will continue to make important contributions to endocrinology, medicine, cancer research, and the University of Michigan for the foreseeable future.”

Summary of Recommendation:

Dr. Hammer is an extremely productive and well-funded investigator who is recognized internationally for his expertise in adrenal development and cancer. Additionally, he is highly respected for his skills as a teacher and a mentor, and for his extensive service contributions. Therefore, Dr. Hammer is an exceptional candidate for promotion to professor of internal medicine, with tenure, professor of molecular and integrative physiology, without tenure, and professor of cell and developmental biology, without tenure, Medical School.



James O. Woolliscroft, M.D.

Dean

Lyle C. Roll Professor of Medicine

May 2011