

PROMOTION RECOMMENDATION
UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF INTERNAL MEDICINE

Andrea Todisco, M.D., associate professor of internal medicine, with tenure, Department of Internal Medicine, Medical School, is recommended for promotion to professor of internal medicine, with tenure, Department of Internal Medicine, Medical School.

Academic Degrees:

1985	M.D.	University of Rome, La Sapienza Medical School, Italy
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Professional Record:

2000-present	Associate Professor of Internal Medicine, University of Michigan
1996-2000	Assistant Professor of Internal Medicine, University of Michigan
1992-1996	Instructor of Internal Medicine, University of Michigan

Summary of Evaluation:

Teaching: Dr. Todisco has been actively involved in the teaching and mentoring of medical students, residents, fellows and junior faculty throughout his career. He is responsible for lectures on Acid Peptic disorders and has been a regular small group discussion leader for second year medical students. He is also extremely involved in the clinical teaching of third and fourth year medical students during their rotations on the Gastroenterology Consult Service and the Gastroenterology Inpatient Ward. Dr. Todisco trains both gastroenterology fellows and surgical residents in gastrointestinal endoscopy at the University Hospitals and the Ann Arbor VA Medical Center. Additionally, he has mentored a number of individuals in his laboratory who have gone on to successful academic careers. His talent as an educator has been recognized by his invited service on the Future Trend Committee of the American Gastroenterological Association (AGA), which was charged with defining the future needs and directions of gastroenterology training and education in this country. Internationally, he serves as a consultant to the University of Milano Medical School in Italy, and is participating in the review of their curriculum.

Research: Dr. Todisco's research focuses on gastric mucosal biology, particularly the mechanisms that regulate gastric epithelial cell growth and differentiation. He has 45 peer-reviewed publications, with 28 as first or senior author, and eight book chapters. He has an exemplary track record of funding from NIH, the Culpepper Foundation, and the National Organization for Rare Disorders. Currently, Dr. Todisco is the PI on an R01 on bone morphogenic signaling in the stomach, and is also the recipient of the Funderburg Research Scholar Award, one of the most prestigious research awards given by the AGA. Recognition of

his scholarly research contributions is evidenced by his election to the American Society for Clinical Investigation in 2005, and as a fellow of the American Gastroenterological Association in 2006. He is also on the editorial boards of *The American Journal of Physiology, Gastrointestinal and Liver Physiology, Therapeutic Advances in Gastroenterology*, and *The Journal of the Medical Association of Thailand*.

Recent and Significant Publications:

Shinohara M, Mao M, Keeley TM, El-Zaatari M, Lee HJ, Eaton KA, Samuelson LC, Merchant JL, Goldenring JR, Todisco A: Bone Morphogenetic Protein signaling regulates gastric epithelial cell development and proliferation in mice. *Gastroenterology* 139:2050-2060.e2. 2010.

Nitsche H, Ramamoorthy S, Sareban, M, Pausawasdi N, Todisco A: Functional role in bone morphogenetic protein-4 in isolated canine parietal cells. *Am J Physiol Gastrointest Liver Physiol* 293:G607-G614, 2007.

Stepan V, Ramamoorthy S, Nitsche H, Zavros Y, Merchant JL, Todisco A: Regulation and function of the Sonic Hedgehog (Shh) signal transduction pathway in isolated gastric parietal cells. *J Biol Chem* 280:15700-15708, 2005.

Stepan V, Pausawasdi N, Ramamoorthy S, Todisco A: The Akt and MAPK signal transduction pathways regulate growth factors actions in isolated gastric parietal cells. *Gastroenterology* 127:1150-1161, 2004.

Todisco A, Pausawasdi N, Ramamoorthy S, Del Valle J, Van Dyke RW, Askari FK: Functional role of protein kinase B/Akt in gastric acid secretion. *J Biol Chem* 276:46436-46444, 2001.

Service: Dr. Todisco is board certified in gastroenterology and has an active clinical practice focusing on Acid-Peptic disorders and Inflammatory Bowel Disease. He sees patients at both the University of Michigan Hospitals and the Ann Arbor VA Medical Center and is strongly committed to providing outstanding patient care. Dr. Todisco also provides service to the Division of Gastroenterology as a member of the Research Committee. He previously served on the UCUCA Executive Committee, and for more than 10 years was the coordinator of the Michigan Peptide Research Center Conference Series. Nationally, he has been active in a number of AGA committees and has served as an abstract reviewer for the AGA Digestive Diseases Week since 2002, chairing the Abstract Review Group in 2003 and 2005.

External Reviewers:

Reviewer A: “Dr. Todisco is one of the pioneers in the molecular physiology of acid secretion....Dr. Todisco’s research program has produced major advances in gastroenterological physiology and pathophysiology....He is recognized as a leader in GI molecular physiology.”

Reviewer B: “He has made significant and original contribution in the intracellular mechanisms that regulate growth and differentiation of the gastric mucosa, with special focus on the action of

gastrin....He is an excellent example of a clinician scientist and would have no trouble in receiving the proposed promotion at [my institution].”

Reviewer C: “He has certainly been one of the national as well as international leaders in elucidating the signaling cascades involved in a number of important gastrointestinal physiology/pathophysiology processes....I think that with his long steady history of producing quality studies that he will continue to be productive in the future and would be a great addition to any Department of Medicine as a Professor.”

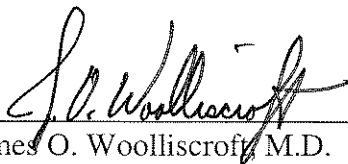
Reviewer D: “Andrea’s work has consistently been original and creative....Andrea is held in high regard by his colleagues. This is reflected by his election to the American Society for Clinical Investigation and prestigious awards he has received for his research.”

Reviewer E: “He is without doubt an excellent investigator who has pursued his research with great vigor and assiduity and has been responsible for important advances in the field...”

Reviewer F: “...Dr. Todisco has made major and important contributions to all three areas of academic medicine – research, service and education. His scientific achievements place him in the top echelon of work performed by comparable physician scientists.”

Summary of Recommendation:

Dr. Todisco is an outstanding role model as a physician, scientist and teacher. He has made key scholarly contributions to his field of research and has provided strong service both institutionally and nationally. Therefore, I am delighted to recommend Andrea Todisco, M.D. for promotion to professor of internal medicine, with tenure, Department of Internal Medicine, Medical School.



James O. Woolliscroft, M.D.
Dean
Lyle C. Roll Professor of Internal Medicine

May 2012