

PROMOTION RECOMMENDATION  
UNIVERSITY OF MICHIGAN  
MEDICAL SCHOOL  
DEPARTMENT OF INTERNAL MEDICINE

Pavan R. Reddy, 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:

M.D.	1994	Osmania Medical College, Hyderabad, India
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Professional Record:

2008-present	Associate Professor of Internal Medicine, University of Michigan
2003-2008	Assistant Professor of Internal Medicine, University of Michigan
2001-2003	Lecturer, Department of Internal Medicine, University of Michigan

Summary of Evaluation:

Teaching: Dr. Reddy has a long history of teaching and mentoring at the University of Michigan. Over the last five years, he has spent time educating bone marrow transplant (BMT) fellows, nurse practitioners, physician assistants, and third-year pharmacy students in the Inpatient Adult Bone Marrow Transplant Service. Dr. Reddy has also mentored students from the graduate level to post-doctoral fellows to junior faculty in the laboratory. He is the associate director of two T32 grants in two different clinical departments, one for the training of medical oncologists in the Department of Internal Medicine and the other for the training of translational hematology fellows in the Department of Pediatrics. Through his work on the T32 grants, Dr. Reddy contributes to the training of both adult and pediatric hematology/oncology fellows. All of Dr. Reddy's research and clinical fellows whom he has mentored in the laboratory have gone on to academic positions or to further academic training.

Research: The major focus of Dr. Reddy's research activity is allogeneic hematopoietic stem cell transplantation (HCT), the most powerful and effective immuno-therapy against hematological malignancies. He is specifically focused on investigating the mechanisms underpinning the major complication and the beneficial effect of allogeneic HCT, namely graft-versus-host disease (GVHD) and graft-versus-leukemia (GVL) respectively. Last year, Dr. Reddy was inducted into the League of Research Excellence at the University of Michigan Medical School and this year, he was chosen to be the chair of the American Society of Hematology Scholars Awards Committee. He is a widely sought-after speaker, giving presentations and seminars across the entire U.S. and in South Korea, Germany, China, and France. Since his appointment as associate professor, Dr. Reddy has published over 35 peer-reviewed articles, with 20 as first or senior author. He sits on the editorial boards of *Biology of Blood and Marrow Transplantation*, *Clinical Medicine: Blood Disorders*, *American Journal of Clinical and Experimental Immunology*, and *Scientific Reports (Nature)*. He also serves on the senior editorial board of the *American Journal of Blood Research* and on international scientific review boards for the Italian Ministry of Health, the Israel Bi-national Science Foundation, the French Département de l'Evaluation et du Suivi des Programmes, and the Immune Tolerance Network.

### Recent and Significant Publications:

Sun Y, Chin YE, Weisiger E, Malter C, Tawara I, Toubai T, Gatz E, Mascagni P, Dinarello CA, Reddy P: *Cutting edge*: Negative regulation of dendritic cells through acetylation of the nonhistone protein STAT-3. *J Immunol* 182:5899-5903, 2009.

Choi S, Reddy P: HDAC inhibition and graft versus host disease. *Mol Med* 17:404-416, 2011.

Sun Y, Varambally S, Maher CA, Cao Q, Chockley P, Toubai T, Malter C, Nieves E, Tawara I, Wang Y, Ward PA, Chinnaiyan A, Reddy P: Targeting of microRNA-142-3p in dendritic cells regulates endotoxin-induced mortality. *Blood* 117:6172-6183, 2011.

Toubai T, Tawara I, Sun Y, Liu C, Nieves E, Evers R, Friedman T, Korngold R, Reddy P: Induction of acute GVHD by sex-mismatched H-Y antigens in the absence of functional radiosensitive host hematopoietic-derived antigen-presenting cells. *Blood* 119:3844-3853, 2012.

Tawara I, Sun Y, Lewis EC, Toubai T, Evers R, Nieves E, Azam T, Dinarello CA, Reddy P: Alpha-1-antitrypsin monotherapy reduces graft-versus-host disease after experimental allogeneic bone marrow transplantation. *Proc Natl Acad Sci USA* 109:564-569, 2012.

Service: Dr. Reddy is the co-director of the Leukemia, Lymphoma and Bone Marrow Transplant (BMT) Program at the University of Michigan Comprehensive Cancer Center. As such, Dr. Reddy aides in the direction of a multidisciplinary team using the latest research innovations to help severely ill patients. More than 200 adult BMT procedures are performed at the University of Michigan each year, making this one of the largest programs in the state. In addition to his busy clinical practice, Dr. Reddy serves on numerous institutional and national committees. At the institutional level, he currently serves as the director of the Hematology/Oncology Research Seminar, a member of the Hematology Search Committee, and a member of the Medical School Academic Promotions and Tenure Track Committee. At the national level, Dr. Reddy serves on the Scientific Organizing Committee with the American Society of Blood and Marrow Transplantation and as a member of the NCI-NIH Protocol Planning Committee on the Biology, Prevention, and Treatment of Relapse.

### External Reviewers:

Reviewer A: "Dr. Reddy has distinguished himself as one of the important transplantation scientists in the field of GVHD research. He is one of a very small cadre of physician scientists who effectively use animal models to both understand the basis of GVHD but to also develop new therapies. His ongoing work in histone deacetylase inhibitors such as SAHA is a good example of his skill in this area. He completed the classic 'bench to bedside' paradigm and has taken his studies in mice to a promising clinical trial....His skill as a teacher and researcher has led to national and international speaking engagements as well as leadership in national committees and study sections. I would rank Dr. Reddy among the top 5% of international physician scientists working in transplantation and specifically in GVHD. He is an outstanding candidate for Professor of Medicine."

Reviewer B: "I would describe Dr. Reddy's scholarly [sic] and professionalism as being in the top five percent of all individuals who could be considered for promotion to full Professor. Dr. Reddy

has been involved in national peer organized services such as the American Society of Hematology where he has chaired various important groups, as well as the American Society of Blood and Marrow Transplantation where he has also contributed significantly both in terms of teaching and service. I believe that he has had significant international contributions in terms of teaching and is internationally recognized for his work in immunobiology and graft-versus-host disease.”

Reviewer C: “...Dr. Reddy is an exceptional physician-scientist, who is a world leader in his area of research, and in my view, highly deserving of this promotion....Dr. Reddy is a tremendous asset to your institution and a highly regarded and accomplished colleague in our specialty.”

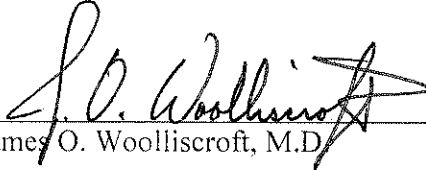
Reviewer D: “He is clearly a brilliant physician-scientist and a thought-leader in his field. Dr. Reddy is a nationally and internationally recognized expert on the immunobiology of bone marrow transplantation. He has made seminal contributions to our understanding of the pathogenesis of graft versus host disease (GVHD) and has further distinguished himself from his peers by translating these contributions to the clinic....In light of his outstanding publications and the fact that he has successfully combined cutting-edge basic investigations with innovative clinical research, I would rank Dr. Reddy among the very best in his field. I can think of only very few of his peers who have achieved the same level of excellence.”

Reviewer E: “His work is highly respected within the bone marrow transplant community, as well as the immunology community and he has played an important role in a number of societies, as well as national meetings. He is widely respected and has received multiple invitations to lecture both in the United States and abroad....He has been highly sought after at other institutions and his accomplishments would likely afford him this honor at other prestigious institutions...”

Reviewer F: “While there are a number of individuals who work in this field, rarely do they make a true clinical impact on the management of [patients] with this disease. Pavan has clearly done this. He has published work in three different areas that are important contributions to this field, and have the potential to directly affect patient outcome.”

Summary of Recommendation:

Dr. Reddy has proven to be an outstanding member of the Comprehensive Cancer Center and a key contributor to the Division of Hematology/Oncology. His research and clinical expertise are highly respected by his peers and his teaching skills are an additional boon to the Medical School. For these reasons, I recommend Dr. Pavan Reddy 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 Medicine*