

PROMOTION RECOMMENDATION
UNIVERSITY OF MICHIGAN MEDICAL SCHOOL
DEPARTMENT OF INTERNAL MEDICINE

Pavan R. Reddy, M.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:

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

2003-Present	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 actively been involved in the teaching and mentoring of clinical fellows, research fellows, nurse practitioners and graduate students. In addition to his interactions with trainees in the BMT (Bone Marrow Transplant) Clinic, Dr. Reddy has also given the Wednesday morning didactic lecture to the fellows and has been in charge of presentations by Hematology/Oncology fellows at the BMT research conferences. He is also active in the Graduate Program in Immunology, serving on prelims committees for graduate students and lecturing in the Cancer Biology course, Introduction to Blood and Marrow Transplantation. Dr. Reddy is known for his mentoring talents and the fellows that have trained in his laboratory have an excellent track record of peer-reviewed publications, as well as obtaining positions in academic medicine and attracting funding. His teaching ability has also led to numerous local, national, and international speaking engagements.

Research: Dr. Reddy is considered to be one of the leading researchers in the area of Graft-versus-Host-Disease and Graft-versus-Leukemia. His work on antigen presentation and, more recently, histone deacetylase inhibitors is considered ground-breaking in the field, and has been published in prestigious journals such as *PNAS* and *Nature Medicine*. His work on histone deacetylase inhibitors has also led to the development of a clinical protocol to evaluate these agents as a novel adjunct therapy for reducing GVHD in patients. Dr. Reddy's research is supported by several extramural grants including a K08 award and a Clinical Scientist Development Award from the Doris Duke Charitable Foundation, and a recent R01 first submission received a score in the outstanding range (priority score 145; 11.5 percentile). His standing in the BMT scientific community is also reflected in the many requests for him to serve on national committees, editorial boards, and NIH study sections.

Recent and Significant Publications:

Maeda Y, Tawara I, Teshima T, Hashimoto D, Matsuoka K, Tanimoto M, Reddy P: Lymphopenia Induced Proliferation of Donor T Cells Reduces Their Capacity for Causing Acute Graft-Versus-Host Disease. *Experimental Hematology* 35 (2):274-86, 2007.

Reddy P, Maeda Y, Liu C, Krijanovski OI, Korngold R, Ferrara JLM: A crucial role for antigen-presenting cells and alloantigen expression in graft-versus-leukemia responses. *Nature Medicine* 11:1244-1249, 2005.

Min CK, Maeda Y, Lowler K, Liu C, Clouthier S, Lofthus D, Weisiger E, Ferrara JLM, Reddy P: Paradoxical effects of interleukin-18 on the severity of acute graft-versus-host disease mediated by CD4+ and CD8+ T cell subsets after experimental allogeneic bone marrow transplantation. *Blood* 104(10): 3393-9, 2004.

Reddy P, Maeda Y, Hotary K, Liu C, Reznikov L, Dinarello C, Ferrara JLM: Histone deacetylase inhibitor suberoylanilide hydroxamic acid reduces acute graft-versus-host disease and preserves graft-versus-leukemia effect. *Proc Natl Acad Sci U.S.A.* 101(11):3921-3926, 2004.

Teshima T, Ordemann R, Reddy P, Gagin S, Liu C, Cooke KR, Ferrara JLM: Acute graft-versus-host disease does not require alloantigen expression on host epithelium. *Nature Medicine* 8(6):575-581, 2002.

Service: In addition to his activities as a research scientist, Dr. Reddy serves in the BMT Clinic and as an attending physician for the Adult BMT inpatient service. He is highly regarded as a physician, both by his patients and his colleagues. Dr. Reddy's other intramural service activities have included his participation as a member of the Fellowship Education Committee, Division of Hematology/Oncology; his service to the Graduate Program in Immunology; and his ongoing participation as a member of the Cancer Center Leukemia Lymphoma Program. At the national level, he serves on the Scientific Committee on Lymphocyte Biology for the American Society of Hematology, and is a member of the NIH Clinical Trials Network of the Marrow Transplant Consortium.

External Review:

Reviewer A: "Dr. Reddy has distinguished himself as one of the important experimental transplantation scientists in the field of GVHD research. He has shown himself to be an enthusiastic, productive, and valued researcher in the area of blood and bone marrow transplantation....His natural intelligence, insight, and skill has led to the development of important research in stem cell transplantation that has a real chance of significantly changing the field. Dr. Reddy is one of the rising stars in the area of GVHD immunology."

Reviewer B: "Dr. Reddy's scholarship in the area of Immunobiology of Acute Graft vs. Host Disease has clearly had important impact in delineating the importance of interleukins in Graft vs. Host Disease. More importantly, his more recent work on the histone deacetylase inhibitors has opened a whole new area of research."

Reviewer C: “In a field as focused as transplantation biology, there are few acknowledged leaders and Dr. Reddy has developed into one of the most outstanding participants [of his cohort] in this challenging and exclusive field....In sum, Dr. Pavan Reddy is a talented scientist and one of the leading experimental transplantation biologists in the field.”

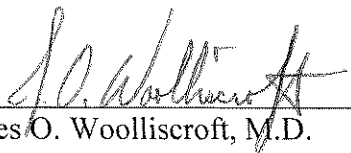
Reviewer D: “Dr. Reddy is unquestionably the brightest rising star in the area of blood and marrow transplantation, representing the next generation of leaders in the field....I would rank him at the top of his peer group without any hesitation....Nationally I cannot think of anyone who is even close to Dr. Reddy in terms of contributions to the field, leadership capacity and future potential....He would be a valuable member of any bone marrow transplantation program in the US. He is precisely the type of individual who should be fostered in his career development. I expect great contributions from Dr. Reddy in the future and already he has distinguished himself as without peers at his level of career development in the area of bone marrow transplantation.”

Reviewer E: “His work has had dramatic impact on the directions of BMT in cancer... Dr. Reddy is one of those rare individuals who can merge clinical and basic observations and represents the future of the clinical scientist in the BMT field (which is in short supply in today’s climate).... He is a tremendous asset for your institution...”

Reviewer F: “His major area of interest is in murine models of graft-versus-host disease and in that area he has made a number of important contributions....Dr. Reddy has developed significant extramural grant support...[and he] also received the Amy Strelzer Manasevit Award from the National Marrow Donor Program which is a highly prestigious and quite competitive award in the field.”

Summary of Recommendation:

In summary, Dr. Reddy is an exceptionally gifted scientist with an impressive track record, who is widely regarded as a rising star by the bone marrow transplant community. Not only is he renowned for his scientific contributions, but he is also respected for his outstanding clinical performance, his educational contributions, and his effectiveness as a mentor for trainees. Accordingly, Dr. Reddy is a most worthy candidate for promotion to Associate Professor, with tenure, in the Department of Internal Medicine.



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

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