

PROMOTION RECOMMENDATION
UNIVERSITY OF MICHIGAN MEDICAL SCHOOL
DEPARTMENT OF INTERNAL MEDICINE

Approved by the Regents
May 15, 2008

Mariana J. Kaplan, 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.	1992	Universidad Nacional Autonoma De Mexico, Ciudad Universitaria, Mexico
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Professional Record:

2001-present	Assistant Professor of Internal Medicine, University of Michigan
1998-2001	Lecturer, Department of Internal Medicine, University of Michigan

Summary of Evaluation:

Teaching: Dr. Kaplan's teaching reflects the breadth of her work as a physician-scientist. It ranges from supervision of undergraduate and graduate students in immunology in her laboratory to clinical teaching of medical students, residents, and rheumatology fellows in clinical settings. She is also in demand nationally and internationally for distinguished lectureships that have given wide exposure to her creative scientific work.

Research: Dr. Kaplan is studying the role of unique antigen presenting cells in the pathogenesis of lupus and is also studying the mechanisms of vascular complications in both lupus and rheumatoid arthritis. This work has led to more than 35 peer-reviewed publications, many in very high quality journals. She has achieved a strong portfolio of research funding, including NIH RO1 grant support. Her research stature is recognized by editorial positions on distinguished journals and invitations to participate in study section reviews. Although still at an early stage in her career, she is viewed nationally as a leader and innovator in her areas of investigation.

Recent and Significant Publications:

Denny M, Thacker S, Mehta H, Somers E, Dodick, T, Kelley L, Barrat F, McCune W, Kaplan MJ: Interferon-alpha induces abnormal vascular repair in systemic lupus erythematosus and a potential link to premature atherosclerosis. *Blood* (In press; Blood First Edition Paper, pre-published online July 16, 2007; DOI 10.1182/blood-2007-05-089086).

Denny M, Chandaroy P, Killen P, Caricchio R, Lewis E, Richardson B, Lee KD, Gavalchin J, Kaplan MJ: Accelerated macrophage apoptosis induces autoantibody formation and organ damage in systemic lupus erythematosus. *Journal of Immunology* 176: 2095-104, 2006.

Ding D, Mehta H, McCune WJ, Kaplan MJ: Aberrant phenotype and function of myeloid dendritic cells in systemic lupus erythematosus. *Journal of Immunology* 177:5878-5889, 2006.

Rajagopalan S, Somers S, Brook R, Kehrer C, Pfenninger D, Lewis E, Chakrabarti A, Richardson BC, Shelden E, McCune WJ and Kaplan MJ: Endothelial cell apoptosis in systemic lupus erythematosus: A common pathway for abnormal vascular function and thrombosis propensity. *Blood* 301:3677-83, 2004.

Kaplan MJ, Lewis EE, Shelden EA, Somers E, Pavlic R, McCune WJ, Richardson BC: The apoptotic ligands TRAIL, TWEAK and FasL mediate monocyte death induced by autologous lupus T cells. *Journal of Immunology* 169: 6020-9, 2002.

Service: Dr. Kaplan contributes significantly to the patient care activities in the Division of Rheumatology in both outpatient and inpatient settings, including responsibilities for supervision of trainees at all levels. She participates in the interview and selection of immunology graduate students, and is a member of the Fellowship Selection Committee in the Division of Rheumatology where she also runs the fellows' journal club. At a national level, she is a member of the Committee on Research of the American College of Rheumatology.

External Review:

Reviewer A: "...Dr. Kaplan has demonstrated an excellent trajectory of research accomplishments and has been nicely progressing into new areas in which she has now been identified as a leading authority....Dr. Kaplan is increasingly recognized as a valued contributor and has been asked to present her work in key venues...these have been high profile presentations and demonstrate that Dr. Kaplan has achieved an important level of visibility and scientific interest in the communities in which she works."

Reviewer B: "...Dr. Kaplan has an enviable record of scholarly accomplishments....Dr. Kaplan is developing a cohesive understanding of pathologic mechanisms in lupus, and there is no doubt that she will continue not only to contribute but also to lead in the development of these ideas."

Reviewer C: "Mariana has created her own research niche in the field of lupus; a fact that is further evidenced by her funding accomplishments. The NIH has recently awarded her with distinct enthusiasm an RO1 for her studies on the pathogenesis of atherosclerosis in lupus. Mariana ranks at the top of her peers and she is unmistakably [sic] evolving into a leader. I strongly urge you to consider her promotion enthusiastically."

Reviewer D: "Dr. Kaplan is developing a national reputation as a thoughtful investigator of the basic mechanisms of cardiovascular disease and immune dysregulation in lupus. Her translational research is exemplary....she provides a role model for rheumatologists committed

to understanding mechanism of disease. It is clear that she has already mentored and taught many at the University of Michigan.”

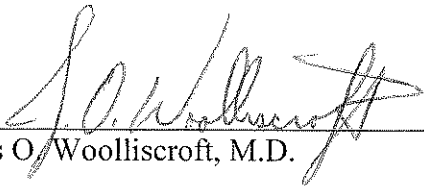
Reviewer E: “Overall, I see Dr. Kaplan as currently at the point of growing into a national leadership position in academic rheumatology. Her research is important and successful and she is willing to work hard to make contributions that will benefit the academic community beyond her own interests.”

Reviewer F: “Dr. Kaplan clearly has both international and national reputations for excellence in Rheumatology research and education....She has been productive, is creative and skilled in scientific thinking, and is a classical translational scientist. She is a leader internationally and nationally in Rheumatology.”

Reviewer G: “She has shown outstanding scholarly productivity to this point with an upslope in terms of the number of publications and successful grant applications. She has a national reputation in the field, which is growing as evidenced by her many research awards as well as lectureships at both the national and international level. Dr. Kaplan is truly a rising star in rheumatology and deserving of this promotion....”

Summary of Recommendation:

Dr. Mariana Kaplan is a physician-scientist who is among a handful of the most distinguished academic rheumatologists of her generation nationally. She has demonstrated consistent excellence in all aspects of her work and at every level ranging from student to Assistant Professor. She is already a distinguished member of our faculty and has outstanding potential for future significant scientific contributions that will impact clinical medicine profoundly. Her promotion to Associate Professor, with tenure, is universally endorsed by her colleagues and by an especially distinguished panel of external reviewers.



James O. Woolliscroft, M.D.
Dean

Lyle C. Roll Professor of Medicine

May 2008