

PROMOTION RECOMMENDATION  
UNIVERSITY OF MICHIGAN  
MEDICAL SCHOOL  
DEPARTMENT OF INTERNAL MEDICINE

Minnie Mouse, M.D., clinical associate professor of internal medicine, Department of Internal Medicine, Medical School, is recommended for promotion to clinical professor of internal medicine, on the Clinician Leader/Administrator pathway, Department of Internal Medicine, Medical School.

Academic Degrees:

M.D.	1996	University of Michigan, Ann Arbor, MI.
B.S.	1992	University of Michigan, Ann Arbor, MI.

Professional Record:

2015- present	Clinical Associate Professor, Department of Internal Medicine, Division of Infectious Diseases, University of Michigan, Ann Arbor, MI.
2009- 2015	Clinical Assistant Professor, Department of Internal Medicine, Division of Infectious Diseases, University of Michigan, Ann Arbor, MI.
2007- 2009	Clinical Instructor, Department of Internal Medicine, Division of Infectious Diseases, University of Michigan, Ann Arbor, MI.
2006- 2007	Clinical Lecturer, Department of Internal Medicine, Division of Infectious Diseases, University of Michigan, Ann Arbor, MI.

Summary of Evaluation:

Teaching:

Dr. Mouse is an active teacher of medical students, residents, and fellows. This teaching takes place while Dr. Mouse is attending on the Infectious Diseases consult service and involves didactic and bedside teaching. She teaches M3 and M4 students the fundamentals of infectious diseases. For the residents, Dr. Mouse serves as a discussant at the Internal Medicine resident morning report and the Morbidity and Mortality conferences. Her focus with the Infectious Disease fellows is case-based discussions on the specific care of complex patients. Dr. Mouse also presents annual lectures to the fellows during their didactic infection control curriculum. Within her role as Medical Director of the Department of Infection Prevention and Epidemiology, Dr. Mouse develops educational materials that are routinely distributed to mid-level providers, attending physicians, nurses and ancillary staff. These materials cover many topics such as hand hygiene, prevention of device related infections and transmission based precautions. Over the past five years, Dr. Mouse has been actively mentoring students within the School of Public Health who are pursuing a master's degree. This program, Certificate in Healthcare Infection Prevention and Control (CHIP) is a summer internship in an infection prevention practicum which incorporates a research project, she has mentored the majority of the students within this program. Dr. Mouse also developed an educational module on hand hygiene education as well as contributed to modules on core concepts in hand hygiene for the CDC/STRIVE initiative. These modules were made available to hospital staff at 450 sites in 28 states and are currently available on the CDC and American Hospital Associations websites.

### Professional Work & Service:

Dr. Mouse's clinical practice is focused on caring for those with general infectious diseases and she sees patients on the Infectious Diseases inpatient consult service. In recognition of her clinical service, she was honored to be named a member of the Clinical Excellence Society in 2018. Currently Dr. Mouse is serving as the Hospital Epidemiologist as well as the Medical Director for the Department of Infection Prevention and Epidemiology. Within the role of Hospital Epidemiologist, she functions as a subject matter expert, public health liaison, healthcare administrator and she provides strategic direction for both routine infection prevention responses and in times of crisis. This year proved to be challenging with the onset of the COVID-19 pandemic as Dr. Mouse played an integral role in Michigan Medicine's response to the crisis. Institutionally, she sits on a number of committees: Sterilization and Disinfection Workgroup (Faculty Advisor), the Antibiotic Subcommittee, the Health System Clinical Quality Committee and she has been Chair of the Infection Control Committee since 2013. Regionally, Dr. Mouse has been a member of the Healthcare Associated Infections Advisory Group through the Michigan Department of Community Health. Nationally, she is active within the Society for Healthcare Epidemiology of America (SHEA). Previously, Dr. Mouse served as a member of the Guidelines Committee and in 2019 she began serving on the Awards Committee. She provides her service as an ad hoc reviewer for *Infection Control and Hospital Epidemiology*, *Journal of the American Medical Association*, *Open Forum Infectious Diseases* and *Clinical Infectious Diseases*. It is clear that Dr. Mouse is engaged and dedicated to her profession on a broad spectrum.

### Scholarship:

Dr. Mouse's research interests are centrally focused on the prevention of multidrug resistant organisms (MDROs) and *Clostridium difficile*. Prompted by emerging outbreaks at other hospitals, she, in her role as Medical Director of Infection Prevention and Epidemiology, began looking at MDRO infections among patients who had undergone deudenscope procedures. This investigation showed that a need existed for highly reliable endoscope disinfection processes. Michigan Medicine in turn, created a central endoscope reprocessing department that has gone on to be a best practices example to other health systems nationally. Dr. Mouse presented this work at both regional and national platforms and as a result she was invited to be a contributing author to the Society of Healthcare Epidemiology of America's Sterilization and High-level Disinfection guidelines. Dr. Mouse is currently collaborating with Daisy Duck (Division of Geriatrics and Palliative Medicine) on an AHRQ funded R01 grant. The overarching goal of this project is to forge partnerships between Michigan Medicine and area nursing homes with a focus on infection prevention which is critical to the prevention of MDRO infection. With the significant roles that she has within Michigan Medicine, Dr. Mouse has been successful in her research collaborations as she has 37 peer-reviewed publications, two book chapters, and she has been invited to speak at over 15 extramural presentations, with two of those being given to medical schools in India. Dr. Mouse is an ad hoc reviewer for several influential journals within the field of infectious diseases such as *Infection Control and Hospital Epidemiology*, *Open Forum Infectious Diseases* and *Clinical Infectious Diseases*. Additionally, she also provides ad hoc reviewer service for the *Journal of the American Medical Association*.

### Recent and Significant Publications:

#### *Peer-reviewed publications:*

Duck D, **Mouse MM**, Kaye KS, Gibson K, Saint S, Reyes K, Cassone M, Mantey J, Cao J, Altamimi S, Perri M, Sax H, Chopra V, Zervos M: Multidrug –resistant organisms in hospitals: What is on patient's hands and in their rooms? *Clin Infect Dis* 69(11):1837-1844, 2019.

Henig O, Rojas LF, Bachman MA, Rudin SD, Brennan B, Sohnlen M, Jones K, Mills JP, Dombecki C, Valyko A, Marshall SH, Bonomo RA, Kaye KS, **Mouse MM**: Identification of four patients with colistin

resistant *Escherichia coli* containing the *mcr-1* (mobile colistin resistance) gene from a single health system in Michigan, USA. *Infect Control and Hosp Epidemiol* 40(9):1059-1062, 2019.

Oh J, Makar M, Fusco C, McCaffrey R, Rao K, Ryan EE, **Mouse MM**, West LR, Young VB, Guttig J, Hooper DC, Shenoy ES, Wiens J: A generalizable, data driven approach to predict daily risk of *Clostridium difficile* at two large academic health centers. *Infect Control Hosp Epidemiol* 39(4):425-433, 2018.

Hawken SE, **Mouse MM**, Williams CL, Newton DW, Snitkin ES: Genomic investigation of a putative endoscope-associated carbapenem-resistant *Enterobacter cloacae* outbreak reveals a wide diversity of circulating strains and resistance mutations. *Clin Infect Dis* 66(3):460-463, 2018.

Duck D, **Mouse L**, Flanders S: From Silos to Partners: Can acute care and nursing home infection prevention programs be integrated? *JAMA* 2018;319(11): 1089-1090.

#### Reviewer Quotes:

Reviewer A: “Dr. Mouse’s research covers a range of topics within the fields of infectious diseases and infection control, including antimicrobial stewardship, diagnostic stewardship, and epidemiology of multidrug-resistant organisms. She has presented research at important national conferences in her field, such as the conference of the Society of Hospital Epidemiology of America (SHEA), the European Congress of Clinical Microbiology and Infectious Diseases, and IDWeek.”

Reviewer B: “Her 2019 publication in the journal *Clinical Infectious Diseases* that described the role of patient hand hygiene in transmission of MDROs in the hospital setting received a lot of recognition and press. It was the impetus for additional discussion at the national level to engage patients more in hand hygiene.”

Reviewer C: “She has a very strong regional reputation as a leader in hospital epidemiology and antimicrobial stewardship... On a national level, she is gaining a reputation as a national leader in these same content areas. This is evidenced by her role on a number of SHEA committees including the Guidelines Committee and the Awards Committee. I was president of SHEA and based on my inquiries, Laraine has done an excellent job on these committees.”

Reviewer D: “Infection prevention and antibiotic stewardship continue to be timely issues in healthcare. Dr. Mouse has a proven ability to contribute to these areas and is an asset to the University of Michigan Medicine Center. I expect her leadership in healthcare epidemiology to continue and believe she will remain influential on a local and national level.”

Reviewer E: “Dr. Mouse is recognized both locally and nationally as a leader in the field of healthcare epidemiology and infection prevention, particularly in the critically important areas of antimicrobial stewardship and prevention of transmission of multidrug-resistant organisms.”

#### Career Development Plan (Junior Ranks):

Example Career Development plans can be found here: [Department User Drop Box folder](#)

#### Summary of Recommendation:

Dr. Mouse is an exceptional clinician who serves the University with distinction in her roles as Hospital Epidemiologist and Medical Director for the Department of Infection Prevention and Epidemiology. Her professional activities have made a considerable impact on our institution, and her scholarly activities have impacted the field of research regionally and nationally. Therefore, I enthusiastically support Dr. Mouse for promotion to Clinical Professor in the Department of Internal Medicine.

Recommended by:

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Marschall S. Runge, M.D., Ph.D.  
Executive Vice President for Medical Affairs  
Dean, Medical School

May 2021