

PROMOTION RECOMMENDATION  
UNIVERSITY OF MICHIGAN MEDICAL SCHOOL  
DEPARTMENT OF PEDIATRICS AND COMMUNICABLE DISEASES

Frank W. Moler, M.D., Associate Professor of Pediatrics and Communicable Diseases, with tenure, Department of Pediatrics and Communicable Diseases, Medical School, is recommended for promotion to Professor of Pediatrics and Communicable Diseases, with tenure, Department of Pediatrics and Communicable Diseases, Medical School.

Academic Degrees:

M.S.	1989	Clinical Research Design and Statistical Analysis, University of Michigan
M.D.	1977	University of Michigan
B.A.	1973	Albion College

Professional Record:

1996-Present	Associate Professor of Pediatrics and Communicable Diseases, University of Michigan
1990-1996	Assistant Professor of Pediatrics and Communicable Diseases, University of Michigan
1987-1990	Lecturer, Department of Pediatrics and Communicable Diseases, University of Michigan

Summary of Evaluation:

Teaching: Dr. Moler has consistently received very good teaching evaluations from medical students, residents and, notably, Critical Care fellows whom he has supervised on service. He has shared his expertise in the management of asthma, inotropic and vasopressor therapy and neuroprotective effects of hypothermia at both local and national settings. Given his master's degree training in clinical research, the Division has relied on him to develop a mini-course on Clinical Research for the PCCM (Pulmonary and Critical Care Medicine) Fellowship Program and is relied upon to critically assess the statistical analyses used in studies reviewed during the monthly Clinical Journal Club. He is consistently described as a "committed," "accessible," and an "effective" teacher in both fellow and resident evaluations. He has mentored eight individuals varying from Pediatric Critical Care fellows, to pediatric housestaff to an Epidemiology doctorate student. One of his most recent trainees just published a critical review entitled, "Extracorporeal Life Support for Severe Respiratory Failure in Children with Immune Compromised Conditions," that was also awarded the Clinical Investigation/Health Services Research, Fellow Award at the Department of Pediatrics 16th Annual Research Symposium. Dr. Moler is unquestionably dedicated to his teaching and mentoring role.

Research: Dr. Moler has taken on the tremendous challenge of aiming to improve neurodevelopmental outcomes following pediatric cardiopulmonary arrest. To this end, he has created a national research framework under the auspices of the Pediatric Emergency Care Applied Research Network (PECARN) which is funded by the Maternal and Child Health Bureau related to Emergency Medical Services in Children (EMSC) Program. He has successfully obtained funding through the R21 mechanism and, most recently, via an R34 mechanism to develop a multi-institutional study examining the effects of Therapeutic Hypothermia After Pediatric Cardiac Arrest (THAPCA Trial). With this support, he is preparing an ROI grant application that responds to a recent NIH Program Announcement for Translational Research in Critical Care. Given the networking provided through both PECARN and the Pediatric Critical Care community and the NIH support provided thus far, it is highly likely this application will be funded and the trial executed under Dr. Moler's leadership. Reflecting his expertise in this area, he has been appointed Chair of the Scientific Advisory Committee for the Great Lakes Node of PECARN. Additionally, he has chaired the national Therapeutic Hypothermia for Pediatric Cardiac Arrest Trial planning meeting sponsored by PECARN, AHA, and NIH with the goal of developing the randomized clinical trial design and has presented this study to the NIH-funded Cooperative Pediatric Critical Care Research Network (CPCCRN). As further recognition of his academic reputation, he participated in the Canadian Clinical Trials Investigator's Meeting held in Toronto in 2006. Thus, his expertise in and commitment to improving neurodevelopment outcomes in children follow cardiopulmonary arrests have positioned him as a nationally and internationally recognized leader in this field.

Recent and Significant Publications:

Odentola FO, Moler FW, Dechert R, Van Der Elsen K, Chenoweth C: Nosocomial catheter-related bloodstream infections in a pediatric intensive care unit: Risks and rates associated with various catheter technologies. *Pediatr Crit Care Med* 4:432-436, 2003.

Nasr SZ, Strouse PJ, Saskoline E, Maxvold NJ, Garver KA, Rubin BK, Moler FW: Efficacy of recombinant human Dnase in the management of RSV bronchiolitis. *Chest* 120:203-208, 2001.

Zahraa JN, Moler FW, Annich GM, Maxvold NJ, Bartlett RH, Custer JR: Venovenous versus venoarterial ECLS for pediatric respiratory failure: Are there differences in survival and complications? *Crit Care Med* 28:521-525, 2000.

Moler FW, Ohmit SE: Severity of illness models for respiratory syncytial virus-associated hospitalization. *Am J Respir Crit Care Med* 159:1234-1240, 1999.

Moler FW, Steinhart CM, Ohmit SE, Stidham GL, for the Pediatric Critical Care Study Group: Effectiveness of ribavirin in otherwise well infants with respiratory syncytial virus-associated respiratory failure. *J Pediatr* 128:422-428, 1996.

Service: Dr. Moler has provided long-standing administrative support to the Department in numerous roles. He has been the Clinical Director of the PICU for the past 12 years and Chair of the Pediatric Medicine and Surgery Joint Practice Committee which is responsible for overseeing those clinical guidelines adopted by the multidisciplinary practitioners involved in the PICU. He

has been a long-standing member of the Pediatrics Ethics Committee, the UMHS Committee on Clinical Quality, the UMHS Medical Liability Review Committee, the Mott Executive Committee, and is presently an elected member of the Department's Research Advisory Committee. In each of these instances, he has served committees with diligent participation, thoughtful contributions, and collegial respect, thereby affording successful progress on each of their respective agendas. At the national level, Dr. Moler has served on the PICU Advisory Committee; Pediatric Data Quality Systems (Pedi-QS) Collaborative Measures Workgroup sponsored by NACHRI, and is currently a standing member of the Pediatric Scientific Advisory Board for the AHA National Registry of CardioPulmonary Resuscitation. Thus, throughout his tenure, Dr. Moler has been a respected and effective administrator.

Professional Work: Dr. Moler's clinical responsibilities are primarily as staff attending in the PICU. In this setting, Dr. Moler is a senior clinical leader of the division in providing a high level of critical care. He is a strong advocate for his patients and effectively works with a multidisciplinary approach fostered by his communication skills and inclusiveness of other care providers.

External Review:

Reviewer A: "He is well known around the world for his focus on RSV disease and he has been one of the most important individuals internationally to change the care practices of this condition....I have no doubt that Dr. Moler would be promoted to Professor at my University. He is a nationally and internationally known investigator. His work is of very high quality, very relevant to current problems, and applicable to therapeutic decision making."

Reviewer B: "Dr. Moler also has a truly impressive track record for service both to the University of Michigan and nationally. His efforts on boards, committees, and advisory panels are remarkable and obviously his opinion is greatly valued at all levels."

Reviewer C: "Dr. Moler is an out-standing clinician and educator....Throughout his career he has taught students, residents, fellows, junior faculty and staff both at the bedside and in the classroom. He has mentored many critical care medicine fellows in research and his mentoring activities have resulted in numerous publications and presentations."

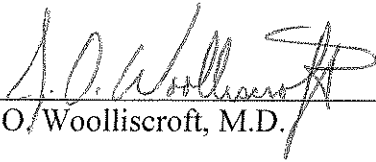
Reviewer D: "Dr. Moler has established himself more recently with the PECARN group particularly in his leadership of the project relating to the use of hypothermia after cardiac arrest in children. Dr. Moler has not only taken the lead on this project but has been successful in obtaining both pilot and writing grants from the NIH..."

Reviewer E: "Dr. Moler is well known nationally and respected for his contributions over the course of his career....Throughout his CV there is evidence of continuous and meaningful involvement in leading national groups....He has been consistently asked to be a reviewer for the major journals in his discipline...He has been the principal investigator or co-investigator on numerous grants..."

Reviewer F: “Despite a heavy clinical load and the administrative responsibility of medical director of the PICU, he has been productive in terms of publications, as well as tenacious in his pursuit of grant funds. I have no doubt that he would be promoted at our institution without difficulty....Thank you for allowing me to comment on Dr. Moler, whom I believe to be one of the senior leaders in pediatric critical care. He is an outstanding asset to the University of Michigan, and you are fortunate to be able to retain him there.”

Summary of Recommendation:

Dr. Moler’s commitment to top notch patient care, education, and research is outstanding. I whole heartedly support his promotion to Professor of Pediatrics and Communicable Diseases.



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

May 2008