

May 17, 2007

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

Delia M. Vázquez, M.D., Associate Professor of Pediatrics and Communicable Diseases, with tenure, Department of Pediatrics and Communicable Diseases, and Associate Professor of Psychiatry, without tenure, Department of Psychiatry, Medical School, is recommended for promotion to Professor of Pediatrics and Communicable Diseases, with tenure, Department of Pediatrics and Communicable Diseases, and Professor of Psychiatry, without tenure, Department of Psychiatry, Medical School. [She also holds an appointment as Research Associate Professor, Center for Human Growth and Development.]

Academic Degrees:

M.D.	1982	University of Puerto Rico
B.S.	1978	University of Puerto Rico

Professional Record:

2000-Present	Associate Professor of Pediatrics and Communicable Diseases and Associate Professor of Psychiatry, University of Michigan
2004-Present	Research Associate Professor, Center for Human Growth and Development, University of Michigan
2000-2004	Associate Research Scientist, Center for Human Growth and Development, University of Michigan
1997-2000	Assistant Research Scientist, Center for Human Growth and Development, University of Michigan
1995-2000	Assistant Professor of Psychiatry, University of Michigan
1994-2000	Assistant Professor of Pediatrics and Communicable Diseases, University of Michigan
1988-1993	Lecturer, Department of Pediatrics and Communicable Diseases, University of Michigan

Summary of Evaluation:

Teaching: Dr. Vázquez is an accomplished teacher and the Director of the Fellowship Training Program in Pediatric Endocrinology at the University of Michigan. She is also the principal investigator of the recently funded for NIH T32 Training Program in Pediatric Endocrinology (T32 DK071212-Developmental origins of endocrine dysfunctions). Dr. Vazquez is a participant in several University-wide NIH-funded pre- and post-doctoral training grants. Dr. Vazquez has also served as the mentor and Co-Chair of Ph.D. Thesis Committees for three Ph.D. trainees, and she currently serves as Chair for two other Ph.D. trainees and has mentored three physician-scientists in their training. She currently mentors a physician-scientist specializing in neonatal medicine, Keri Lattimore, who is investigating the effects of antidepressants in the developing

fetus. Under Dr. Vázquez's tutelage, Dr. Lattimore was recently successful in securing a career development K30 award from the NIH. Through her participation in the Undergraduate Research Opportunity Program, Dr. Vázquez has provided laboratory training to 23 undergraduate students since 1996, six of whom successfully completed an honors thesis from their degree granting department prior to graduation, six graduated from medical school, two were admitted to the University of Michigan Law School, and one pursued a masters degree in Public Health. In addition, she has been involved in the post-doctorate training of two physicians in the Division of Neonatology and two physicians and two Ph.D. scientists in the Department of Psychiatry, one of whom completed his training and is currently Assistant Professor at the University of Florida, Tallahassee.

Research: Dr. Vázquez is an internationally recognized leader in the field of the neuroendocrine development of the limbic-hypothalamic-pituitary-adrenal axis and related fields of stress and drug addiction. Her research initiatives integrate human and basic science techniques and protocols to investigate the effects of early life adversity and risk for psychopathology. The hallmark of Dr. Vázquez's research endeavors is her ability to successfully initiate, foster, and implement collaborative research projects both within and outside the University of Michigan. Dr. Vázquez's research efforts have consistently garnered extramural support (12 collaborative federal grants). Over the last five years Dr. Vázquez has facilitated in excess of \$6,000,000 in funding for the University of Michigan through her own research program and through other collaborations both nationally and on campus. Presently she is a principal investigator on an RO1 and two NIMH R21 grants. Dr. Vázquez is also a principal investigator on a Level I Network grant that brings together 11 national and international investigators representing behavioral, and clinical disciplines. Another example of Dr. Vázquez's collaborative abilities are her involvement in subprojects in NIMH funded Program Projects and Center grants. She has been a leading force in the developmental studies exploring brain plasticity and individual differences in emotional and endocrine reactivity using animal models developed by the Watson-Akil neuropeptide laboratories over the last ten years, the most recent of which was the topic for the MH42251 Project 3: Developmental studies of individual differences in emotional reactivity. Dr. Vázquez was also a member of a Center grant funded in 2001 by the National Institute of Mental Health. Dr. Vázquez headed the interdisciplinary team that examined the interaction of biological, psychological and social functioning on behavior in order to elucidate the impact of stress hormones during early development.

Dr. Vázquez's research accomplishments have consistently garnered national and international recognition. In addition to receiving federal funding, she has received funding from private agencies, such as the National Alliance for Research in Schizophrenia and Depression. Particularly noteworthy is that her being awarded the Curt Richter Award, the highest award given by the International Society for Psychoneuroendocrinology. At the national level, Dr. Vázquez was a member of the National Science Foundation, Neuroendocrine Study Section (1998–2001), and the Bio-Behavioral and Behavioral Processes Study Section (2004-2006). She has served as ad hoc reviewer for other study sections, most recently for a 2004 NIMH Conte Center Grant Review. In 2002, Dr. Vázquez was nominated to serve on the Society for Neuroscience (SFN), Minority Affairs Committee where she was charged with the promotion of research and mentoring opportunities. She was elected by her peers to serve on the Council of the Society for Pediatric Research (2003-2006). She is a much sought after speaker for seminars

and symposia and has been invited to numerous institutions and universities to lecture on her area of expertise in the neuroendocrinology of stress.

Recent and Significant Publications:

Stead DH, Neal C, Meng F, Wang Y, Evans S, Vázquez DM, Watson SJ, and Akil H: Transcriptional profiling of the developing rat brain reveals that the most dramatic regional differentiation in gene expression occurs post-partum. *Journal of Neuroscience* 26:345-353, 2006.

Lattimore KA, Donn SM, Kaciroti N, Kemper AR, Neal CR, Vázquez DM: Selective serotonin reuptake inhibitors (SSRIs), use during pregnancy and effects on the fetus and newborn: A meta-analysis. *Journal of Perinatology* 25:595-604, 2005.

Neal Jr CR, Weidemann G, Kabbaj M, Vázquez DM: Effect of neonatal dexamethasone exposure on growth and neurological development in the adult rat. *American Journal of Physiology - Regulatory Integrative & Comparative Physiology* 287(2):R375-R385, 2004.

Flagel SB, Vázquez DM, Robinson TE: Manipulations during the second, but not the first, week of life increase susceptibility to cocaine self-administration in female rats. *Neuropsychopharmacology* 28:1741-1751, 2003.

Gunnar M, and Vázquez DM: Low cortisol and a flattening of expected daytime rhythm: Potential indices of risk in human development. *Dev Psychol* 13:515-538, 2001.

Service: Dr. Vázquez's service on various committees and organizations at the national, institutional, and departmental levels is testimony to her reputation and leadership abilities. She has served as Interim-Director of the Center of Human Growth and Development Brain Behavior Program since 2001 and on the Research Advisory Council (RAC) of the Department of Pediatrics since the year 2000. She served as the Associate Chair for Research for the Department of Pediatrics from 2001 to 2004. Dr. Vázquez has also served on several search committees within and across departments (e.g. Pediatric Endocrine Director and Child Psychiatry Director Search Committee). She is presently an active member of the University of Michigan Depression Center's Steering Committee and the Biomedical Research Council of the Medical School.

Dr. Vázquez is an accomplished pediatric endocrinologist and diabetologist. She staffs the Pediatric Endocrinology and the Pediatric Diabetes Clinic at the Taubman Clinic. For 4-8 weeks a year she is also the physician-in-charge of the Inpatient Endocrine and Diabetes Service at the CS Mott Children's Hospital.

External Review:

Reviewer A: "As a clinician-researcher, her ability to maintain a competitive basic science research enterprise, to have recently initiated parallel clinical studies as well as her significant contributions in teaching and service is everything a major medical center needs of their senior faculty."

Reviewer B: “I consider Dr. Vasquez [sic] to be one of the leading scholars in the world in the area of stress neurobiology....This would be a much deserved promotion that would reflect her stature in the field and her many important contributions to advancing science and humankind. She will be a major credit to your university and will be a much valued mentor and colleague, both in your department and throughout the field.”

Reviewer C: “She would be regarded as a key person at any major university because of her various talents and interests. Her clinical duties, including her outreach to migrant farm workers in Southeastern Michigan, make her very special.”

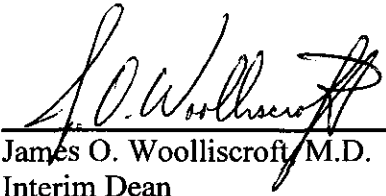
Reviewer D: “I would rank her as a star among her peers and believe that she is most deserving of promotion....Dr. Vazquez’ research is first rate in every regard....Her work has had a wide-ranging impact on advancing the field of developmental neuroendocrinology.”

Reviewer E: “Clearly, she is herself an exceptional example of the value and benefits of diversity contributing to the academic milieu.”

Reviewer F: “...Dr. Vazquez is a productive, well-funded clinician-researcher with a unique and critically important expertise. Dr. Vazquez is clearly one of the more multidisciplinary scientists I know in this or any field, and her ability to move comfortably between basic and clinical research is a major strength.”

Summary of Recommendation:

In summary, Dr. Vázquez has excelled in research, training and mentoring, and enjoys an impeccable national and international reputation in her chosen area of investigation. Her commitment to excellence in clinical care is unequivocal. I enthusiastically recommend Dr. Vázquez for promotion to Professor in the Department of Pediatrics and Communicable Diseases and Professor in the Department of Psychiatry.



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

May 2007