

PROMOTION RECOMMENDATION
The University of Michigan
College of Literature, Science, and the Arts

Approved by the Regents
May 20, 2010

Cindy Ann Lustig, assistant professor of psychology, College of Literature, Science, and the Arts, is recommended for promotion to associate professor of psychology, with tenure, College of Literature, Science, and the Arts.

Academic Degrees:

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| Ph.D. | 2001 | Duke University |
| M.A. | 1996 | Case Western Reserve University |
| B.A. | 1996 | Case Western Reserve University |

Professional Record:

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| 2004 – present | Assistant Professor, Department of Psychology, University of Michigan |
| 2001 – 2004 | Postdoctoral Fellow, Department of Psychology, Washington University |

Summary of Evaluations:

Teaching – Professor Lustig has taught upper level undergraduate and graduate psychology courses for concentrators interested in learning/memory and cognitive aging. She is a dedicated and creative teacher with high expectations. Students appreciate the extensive individual time devoted to their development as scholars. Her courses use methods developed in response to data from her own research on what improves learning and deep intellectual engagement. Her informal mentoring of nearly 60 undergraduates and six graduate students is unparalleled at this career stage. Honor's students and graduate students are frequent co-authors.

Research – Professor Lustig focuses on problems that are at the forefront of cognitive neuroscience. Her research examines the cognitive and neuronal mechanisms that underlie attention and cognitive control. She is interested in determining how these executive functions constrain learning and memory retrieval. Professor Lustig employs a range of research approaches and techniques, and her subjects include special human populations (e.g., older adults, patients, and subjects with defined genetic variants that affect neural function of brain areas that control attention). Her theoretical contributions have been considerable, especially given her career stage.

Recent and Significant Publications:

“Rats and humans paying attention: Cross-species task development for translational research,” with E. Demeter and M. Sarter, in *Neuropsychology*, 22, 2008, pp. 787-799.

“Targeting latent function: Encouraging effective encoding for successful memory training and transfer,” with K. Flegal, *Psychology and Aging*, 23, 2008, pp. 754-764.

“Evidence for frontally-mediated controlled processing differences in older adults,” with K. Velanova, et al., *Cerebral Cortex*, 17, 2007, pp. 1033-1046.

“Who benefits from memory training?” with D. Bissig, *Psychological Science*, 18, 2007, pp. 720-726.

Service – Professor Lustig has an exemplary service record and has served the department and the university in numerous capacities. In addition, she has served as a grant reviewer, is a member of several editorial boards, and she has organized several symposia at major meetings where scientists early in their career rarely are allowed that honor.

External Reviews:

Reviewer (A)

“...I do think it highly likely she would be successful in a bid for promotion and tenure at my institution... ..she is publishing work in high quality journals that speaks to the excellent nature of her research. ...she has demonstrated an ability to guide her own research program, independent of prior mentors, as evidenced by successful competition for major federal grants (e.g., her NSF award), and publication as lead or senior author on articles in good journals without any of her prior mentors as co-authors...”

Reviewer (B)

“...Dr. Lustig is the brightest star in CNA [cognitive neuroscience of aging] and one of most outstanding researchers [of her generation] in the broader field of cognitive neuroscience. Within CNA, I cannot imagine any other researcher [of her generation] whose work has had as much impact as Cindy’s work... Within cognitive neuroscience, I would place Cindy among the very best cognitive neuroscientists in her age cohort...”

Reviewer (C)

“Cognitive neuroscience is a hot area at present in psychology; it is literally essential for any up-to-date psychology department to have someone with Dr. Lustig’s interests and expertise. ...Lustig has a number of qualities that suggest to me she will be a future leader in her field. Her thinking is innovative, she is clearly very committed to a career in academic science, and she is thoughtful and wide-ranging in her interests—both basic and applied.”

Reviewer (D)

“...Lustig is a very successful scientist who has demonstrated the capacity to initiate and carry out an independent and important program of research. This work has been very well received by her peers and garnered both national and international recognition. ...Dr. Lustig is a rising star...”

Reviewer (E)

“Lustig is an outstanding speaker and presenter of ideas. Each time I have seen her present papers at conferences, I was impressed by the perfect structure and timing as well as the perfect balance between easy and complex messages.”

Reviewer (F)

“I have always admired the fact that from graduate school onwards, the scope of Cindy’s work and methodological tools has been quite breathtaking. ... I have been very impressed by Cindy’s recent, systematic attempts to combine analyses of default-network/frontal relations during cognitive control situations with drug manipulations. This work has already produced some very compelling results...and shows great potential for further compelling results. Equally, I am impressed by her very successful attempt of forging a connection with system neuroscience

researchers, the result of which is a cross-species attention task with parallel mouse and human data.”

Reviewer (G)

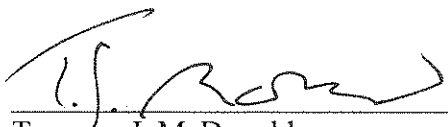
“The quantity and quality of C[indy] L[ustig]’s scholarship is of such standing that I strongly recommend her for the award of tenure and promotion to associate professor. No doubt C[indy] L[ustig] is a solid scientist that would be an asset at any university. I remain confident that she will work hard and continue to be productive.”

Reviewer (H)

“Cindy is an outstanding scholar and is easily one of the top three, if not the top scholar [of her generation] in the cognitive neuroscience of aging. If I had the opportunity to recruit a...neuroscientist, she would be one of my top two choices... ..she was one of the first scientists to focus on the role of parietal activations in understanding neurocognitive aging, a focus which has turned out to be extremely important in understanding the aging brain and may even be a key to differentiating between normal aging and pathology.”

Summary of Recommendation:

Professor Lustig is a highly innovative and successful scholar. She is a dedicated instructor and has an excellent record of service. The Executive Committee of the College of Literature, Science, and the Arts and I recommend that Assistant Professor Cindy Ann Lustig be promoted to the rank of associate professor of psychology, with tenure, in the College of Literature, Science, and the Arts.



Terrence J. McDonald
Arthur F. Thurnau Professor,
Professor of History and Dean
College of Literature, Science, and the Arts

May 2010