

PROMOTION RECOMMENDATION
THE UNIVERSITY OF MICHIGAN
SCHOOL OF INFORMATION

Tiffany Veinot, associate professor of information, with tenure, School of Information, and associate professor of health behavior and health education, without tenure, School of Public Health, is recommended for promotion to professor of information, with tenure, School of Information, and professor of health behavior and health education, without tenure, School of Public Health.

Academic Degrees:

Ph.D.	2009	University of Western Ontario, London, Ontario
M.L.S.	1994	University of Toronto, Toronto, Ontario
B.A. (Hons.)	1992	University of Toronto, Toronto, Ontario

Professional Record:

2019 – present	Associate Dean, School of Information, University of Michigan
2014 – present	Associate Professor of Information, School of Information, and Associate Professor, School of Public Health, University of Michigan
2018 – 2019	Informatics Consultant, Centers for Disease Control and Prevention
2017 – 2019	Director, Master of Health Informatics Program (MHI), School of Information
2008 – 2014	Assistant Professor of Information, School of Information, and Assistant Professor, School of Public Health, University of Michigan
2007 – 2008	Instructor, Faculty of Information & Media Studies, University of Western Ontario

Summary of Evaluation:

Teaching: Professor Veinot is a thoughtful and deliberate teacher and mentor who has taught and/or developed seven courses in the Master of Science in Information (MSI), the Master of Health Informatics (MHI), and the doctoral degree programs at the School of Information (UMSI). Her teaching statement eloquently describes her approach linking learning objectives to the development of core skills while challenging students to think critically about equity issues. This statement also demonstrates her continuous reflection on teaching and revisions to improve the learning experience for students. This philosophy is evident in her individual courses as well as in the major role she played in developing the MHI curriculum. As a founding member of the MHI committee, she participated in the design of the curriculum and then as the MHI director made substantial revisions to the curriculum in 2017-2018. She developed and has taught two of the core courses in the degree, Consumer Health Informatics and Evidence-Informed Decision Making for 21st Century Healthcare and engaged in substantial revisions to the Health Informatics Seminar when she took it over in fall 2017.

Professor Veinot is an outstanding mentor. She has graduated two doctoral students; one is now in a tenure track position at a major research university and the other in a research position at a major health organization. She currently advises or co-advises six other doctoral students and

she serves or has served as a committee member for eleven others, at Michigan and elsewhere. She has also supervised three post-doctoral fellows, and seventeen master's students. Advisees at all levels are frequent co-authors on her published papers.

Professor Veinot's mentorship bridges the curricular and co-curricular. When she taught the doctoral seminar in Qualitative Methods, the mentorship of doctoral students often extended beyond the timeframe of the course. Student research papers and UMSI doctoral student milestones were incubated in this course. For example, two UMSI doctoral students began research projects that led to "Best Paper" awards at the Association of Computing Machinery Computer Supported Cooperative Work Conference (CSCW) and at the Symposium on Usable Privacy and Security (SOUPS). Another received a "Best Poster" award at the Working Group on Interactive Systems in Healthcare meeting. At least four other students also published papers based on work from the class and another three used the class to work on critical milestones in the UMSI doctoral program. One of these led to a published peer-reviewed article.

Consistent with her commitment to reducing health disparities as the focus of her research, Professor Veinot is committed to reducing educational disparities through her teaching; both of her graduated Ph.D. advisees are under-represented minorities (URMs), and many other advisees are also URMs or first-generation college students.

Research: Professor Veinot's greatest impact has been in community health informatics. Her interdisciplinary work intersects health informatics, information science, and human-computer interaction (HCI)/computer-supported cooperative work (CSCW). She is a clear leader in community health informatics research. Her work focuses on health interventions at what she refers to as the social meso-level. She views inequality, marginalization, and health as existing at a community or social level. Therefore, she investigates how to address these challenges through interventions beyond the individual level, such as changing living and working conditions, zoning changes, or tele-health access.

The article that best summarizes and demonstrates Professor Veinot's research impact and contributions is "Levelling up: On the Potential of Upstream Health Informatics Interventions to Enhance Health Equity" (2019). In this article, she argues for a shift in the focus of health informatics interventions from the individual level, which focuses on decreasing individual vulnerabilities and consequences of ill health, to the macro- and meso- levels, which focus on influencing social hierarchies and reducing environmental exposure to potential harms. Her argument is that interventions at these "upstream" levels will be more effective in reducing health disparities, and that some interventions at the individual level may in fact exacerbate health disparities because they are differentially effective for marginalized groups.

Professor Veinot is a recognized scholar and prolific researcher who engages in impactful scholarship, much of that targeting health disparities. She has 45 articles in peer-reviewed journals many in the top journals in health informatics and information science, and 18 peer-reviewed conference proceedings, many in the top conferences in health informatics and human-computer interaction. She has received numerous awards for her research including an Editor's Choice Award from the *Journal of the American Medical Informatics Association (JAMIA)*, the top journal in this area, a Best Paper Award (top 1% of all papers) from the 21st ACM

Conference on Computer-Supported Cooperative Work and Social Computing (CSCW 2018), and a Best Paper Honorable Mention Award (top 5% of all papers) from the 34th ACM Conference on Human-Computer Interaction (CHI 2016). Her intellectual leadership has also led to sizeable research funding. In total, she has garnered over \$15 million in research grants; over \$9 million of this total as a principal investigator. Of special note is a \$7 million dollar grant (ongoing) from the Patient-Centered Outcomes Research Institute (PCORI) for a controlled trial to improve patient safety during dialysis and a prestigious Institute for Museum and Library Services (IMLS) Career Award.

Recent and Significant Publications:

- Veinot, T.C., Ancker, J.S., Cole-Lewis, H., Mynatt, Elizabeth D., Parker, A.G., Siek, K., Mamykina, L. Levelling up: On the Potential of Upstream Health Informatics Interventions to Enhance Health Equity. *Medical Care*. (2019)
- Veinot, T.C., Pierce, C. Materiality in Information Environments: Objects, Spaces and Bodies in Three Outpatient Hemodialysis Facilities. *Journal of the American Society for Information Science & Technology (JASIST)*. 2019, 70(12):1324–1339.
- Dillahunt, T., Veinot, T.C. Getting There: Barriers and Facilitators to Transportation Access in Underserved Communities. *ACM Transactions on Computer-Human Interaction (TOCHI)*. 2018, 25: 1-39.
- Veinot, T.C., Mitchell, H., Ancker, J.S. Good intentions are not enough: Taking action to ensure that informatics interventions do not worsen inequality. *Journal of the American Medical Informatics Association (JAMIA)*. 2018, 25: 1080-188.
- Iott, B.E., Veinot, T.C., Loveluck, J., Kahle, E., Golson, L., Benton, A. Comparative analysis of recruitment strategies in a study of men who have sex with men (MSM) in Metropolitan Detroit. *AIDS & Behavior*. 2018, 22: 2296–2311.

Service: Professor Veinot has done significant service for UMSI, and her professional communities at large. Within UMSI, Professor Veinot is currently the associate dean for faculty, being selected by the dean based on her administrative and diplomatic abilities which are a hallmark of her service appointments. She was twice elected by fellow faculty members to the Dean’s Advisory Committee; she served on the Faculty Search Committee, ultimately becoming the vice chair and then chair; and has been a member of the Undergraduate Program Committee. In 2015-2016, she was invited by the provost to sit on the Dean Search Advisory Committee.

Within UM, Professor Veinot has been a member of two certificate initiatives, one in Urban Informatics and the other in Precision Health. However, her greatest service within the university was as head of the Master of Health Informatics Program, a degree program jointly governed by UMSI, the School of Public Health, and Learning Health Sciences in Michigan Medicine. Under her leadership, she led an evolution in the MHI program curriculum and benchmarked the program nationally to ensure it would continue to provide a strong and unique academic experience. In recognition of her service, she was awarded UMSI’s Michael D. Cohen Service Award.

Professor Veinot has done considerable service in her fields of research, both health informatics and human-computer interaction (HCI). She was a guest editor for the *Journal of the American Medical Informatics Association*, has served as an associate chair for the Association for

Computing Machinery's Conference on Human Factors in Computing Systems, as well as an editorial board member for multiple top journals health informatics. Professor Veinot has also served as a grant reviewer for several national and international funding agencies. She co-organized a Computing Community Consortium (CCC) agenda-setting workshop in 2018 on sociotechnical interventions to reduce health disparities reduction. This is the major professional organization for computing researchers that hosts workshops to define the community's research priorities. She is now chairing the 2020 Workshop on Interactive Systems in Healthcare (WISH) symposium. Her research agenda includes community engagement and service to multiple vulnerable groups, including people in low-income settings, people living with HIV/AIDS and more. As part of this work, Professor Veinot has collaborated with community groups, and has been effective in serving a larger community of people.

External Reviewers:

Reviewer A: "..., I think that Professor Veinot is making an outstanding contribution through her research and to the discipline at an international level and I have no doubt that she would meet there requirements for promotion to Full Professor at my own institution."

Reviewer B: "[Professor] Veinot has established herself as one of the leading researchers in what she terms community health informatics, an incredibly important area at the national and international level, allowing communities to pool scarce resources to improve their citizen's health. Such community-based interventions often help the most vulnerable and marginalized in our society, so also address health disparities. There is a small minority of researchers in the iSchool/CS disciplines who focus on community health engagement and health disparities, and [Professor] Veinot's work is at the forefront of the field."

Reviewer C: "[Professor] Veinot has established herself as one of the leading researchers in what she terms community health informatics, an incredibly important area at the national and international level..."

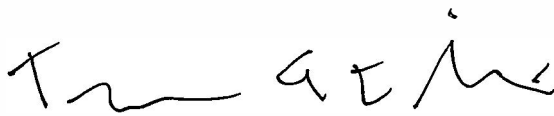
Reviewer D: "...she primarily describes herself as working in community health informatics, a nascent but growing field, in which [Professor] Veinot is a clear leader. ... [Professor] Veinot clearly collaborates well with colleagues and with students.... [Professor] Veinot is active in her service to the external research community. Notably, she has served on the Biomedical Library and Informatics Review Committee for the NLM, NIH. This post is prestigious and a lot of work, demonstrating both the esteem in which she is held and her commitment to supporting the larger research community."

Reviewer E: "After reviewing [Professor Veinot's] CV, research statement, and papers in her dossier, I can say with great certainty that [Professor Veinot] has achieved excellence in the field of Health Informatics. I make this assessment based on both the quantity and quality of her research publications in top tier venues, her outstanding research funding record, the awards her research has garnered, and her leadership in bridging the gap between Health Informatics and Human-Computer Interaction research. [Professor Veinot] has also been involved in numerous editorial boards for prestigious journals, which is also an indicator of her high-quality research reputation amongst the field and demonstrates her scholarly leadership."

Reviewer F: "..., I strongly support [Professor] Veinot's promotion to full professor. Her excellent research reputation nationally and internationally as well as the impact of her work on communities that are drastically underserved make such a strong recommendation easy."

Summary of Recommendation

Professor Veinot's accomplishments in the areas of teaching, research, and service meet and exceed promotion requirements. Therefore, with the support of the Promotion and Tenure Committee in the School of Information and the Executive Committee in the School of Public Health, we enthusiastically recommend Tiffany Veinot for promotion to professor of information, with tenure, School of Information, and professor of health behavior and health education, without tenure, School of Public Health.



Thomas A. Finholt
Dean, School of Information



F. DuBois Bowman, Ph.D.
Dean and Professor, School of Public Health

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