

Maria Louise Gamborg



Title	Dr.
First name	Maria Louise
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Job Title	Assistant Professor
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Biography	Maria Louise Gamborg is an educational psychologist with clinical training in geriatric psychiatry. She holds a PhD from Aarhus University in Denmark, where she explored how young doctors make decisions regarding geriatric patients in the workplace.
Research (long text)	Her research focuses on how novice doctors use adaptive expertise when dealing with unfamiliar or challenging tasks and how clinical supervision supports the development of these. Since 2023, she has been working as an Assistant Professor at Aarhus University, where her research is focused on applying the findings from her PhD to workplace-based learning in medicine, and beyond, researching how we can

	develop expert adaptive skills through simulation-based training, and supervisor support.
Teaching (long text)	She has expertise in both qualitative and quantitative research methods and is intimately familiar with ethnographic methods and interviews, in which she teaches at bachelor, master's, and PhD level.
Publications (long text)	<ol style="list-style-type: none"> 1. Gamborg, M. L., & Jensen, R. D. (2026). Ecology of the Mind and adaptive learning. In E. v. d. Beemt, J. v. Tartwijk, M. v. d. Schaaf, & Y. Baggen (Eds.), Adaptive Performance, Conceptualisation and Mechanisms in Engineering Education (Vol. 1). TU Delft OPEN Publishing. 2. Gamborg, M. L., Viuf, K. B., Jensen, R. D., Rölfing, J. D., & Høy, K. (2026). The More the Merrier? Appropriateness of Massed Simulation Training in Surgical Residency. <i>Journal of Medical Education and Curricular Development</i>, 13. 3. Gamborg, M.L. At the precipice of assessing adaptive expertise?. <i>Adv in Health Sci Educ</i> (2026). https://doi.org/10.1007/s10459-026-10526-y 4. Pedersen, C. H., Jensen, R. D., Rölfing, J. D., & Gamborg, M. L. (2025). Adaptation and validation of a Danish version of the Physicians' Reactions to Uncertainty Scales. <i>Danish medical journal</i>, 73(1), A05250375. 5. Gamborg, M.L., Salling, L.B., Rölfing, J.D. et al. Training technical or non-technical skills: an arbitrary distinction? A scoping review. <i>BMC Med Educ</i> 24, 1451 (2024). https://doi.org/10.1186/s12909-024-06419-6 6. Schram A, Jensen HI, Gamborg M, et al, Exploring the relationship between simulation-based team training and sick leave among healthcare professionals: a cohort study across multiple hospital sites, <i>BMJ Open</i> 2023;13:e076163. doi: 10.1136/bmjopen-2023-076163 7. Gamborg, M.L., Mylopoulos, M., Mehlsen, M. et al. Exploring adaptive expertise in residency: the (missed) opportunity of uncertainty. <i>Adv in Health Sci Educ</i> 29, 389–424 (2024). https://doi.org/10.1007/s10459-023-10241-y 8. Gamborg, M.L., Mehlsen, M., Paltved, C. et al. Clinical decision-making and adaptive expertise in residency: a think-aloud study. <i>BMC Med Educ</i> 23, 22 (2023). https://doi.org/10.1186/s12909-022-03990-8 9. Schram, A.L., Lindhard, M.S., Bie, M. et al. Using simulation-based training during hospital

	<p>relocation: a controlled intervention study. <i>Adv Simul</i> 7, 41 (2022). https://doi.org/10.1186/s41077-022-00237-w</p> <p>10. Gamborg, M.L., Jensen, R.D., Musaeus, P. et al. Balancing closure and discovery: adaptive expertise in the workplace. <i>Adv in Health Sci Educ</i> 27, 1317–1330 (2022). https://doi.org/10.1007/s10459-022-10177-9</p> <p>11. Gamborg, M., Mehlsen, M., Paltved, C. et al. Conceptualizations of clinical decision-making: a scoping review in geriatric emergency medicine. <i>BMC Emerg Med</i> 20, 73 (2020). https://doi.org/10.1186/s12873-020-00367-2</p> <p>12. Rölfing, J. D. ., Jensen , R. D. ., Bie, M. ., Gundsø, A. P. ., Schmid, J. M. ., Juelsgaard, J. ., ... Mainz, H. . (2020). Preparing an orthopedic department for COVID-19: Lessons learned from reorganization and educational activities. <i>Acta Orthopaedica</i>, 91(6), 644–649. https://doi.org/10.1080/17453674.2020.1817305</p>
<p>Conferences / Lectures (long text)</p>	<ul style="list-style-type: none"> • 40 accepted abstracts at 19 international conferences (17 as lead author, 12 as co-author, and 11 as senior author). Here, I have given 14 talks, and held 8 workshops, and 3 symposiums • > 20 invited talks (6 international)
<p>External links to work</p>	<p>https://orcid.org/0000-0002-8720-3307</p> <p>https://www.researchgate.net/profile/Maria-Gamborg/research</p> <p>See list of publications.</p>