

Curriculum Vitae - short: Peter Musaeus

Danish Citizen, born 1971

Associate Professor (2010-present), Aarhus University, CED, Centre for Educational Development

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Scholar: <https://scholar.google.com/hk/citations?user=nvMQp74AAAAJ&hl=en>

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Education (Aarhus University, Department of Psychology, Denmark)

Ph.D. Psychology May 2005 Title: “Crafting Persons. A Sociocultural Approach to Recognition and Apprenticeship Learning” (Educational Psychology)

M.S. Psychology February 2001 (Health Psychology)

B.S. Psychology February 1998 (Cognitive Psychology)

Other:

Licensed psychologist by the Danish Psychological Association, 2007 (cand.psych.aut).

Erasmus Student at University of Valencia, Department of Psychology, Spain. September 1997 - January 1998.

I.B. (International Baccalaureate), May 1990, AH. United World College, New Mexico.

Languages

Professionally fluent (written and oral): Danish & English. Proficient: German. Good: Spanish (Castilian). Basic: Catalan (Basic 2 certificate March 2024) and Italian.

Research area

Higher Education Curriculum; Computational Thinking; Sustainability; Interprofessional teams.

Visiting Professor or Visiting Scholar

- Rovira University, Tarragona, Spring 2024. Primary contact: Professor Ramon Felix Palau Martin.
- Ludvig Maximilians University Munich, Institut für Didaktik und Ausbildungsforschung in der Medizin, January 2018-July 2018. Primary contact: Professor Martin Fischer.
- School of Education, Virginia Tech (Virginia Polytechnic Institute and State University), Fall 2015. Primary contact: Professor Deborah Tatar.

- Embodied Design Research Laboratory at the Graduate School of Education University of California, Berkeley, November 2010. Primary contact: Professor Dor Abrahamson.
- Institute for Simulation and Training, University of Central Florida, August 2008 – January 2009. Primary contact: Professor Eduardo Salas.

Editorship

2023-2024 Editor BMC: Medical Education and in 2023 Guest editor: Frontiers in Medicine

PhD Supervision and Assessment

PhD Supervision of 6 candidates in Health Sciences Education. Assessor of 7 PhD's in Medical Education, Sports Science and Psychology in both Norway and Denmark.

Publications (articles)

1. Rasmussen, E. L., & Musaeus, P. (2024). Subject matter changes in the dental curriculum: A scoping review of the last two decades. *Journal of Dental Education*. <https://doi.org/10.1002/jdd.13530>
2. Thistlethwaite, J. E., Musaeus, P., & Müller, M. (2024). Opportunities and challenges of interprofessional collaboration and education (editorial). *Frontiers in Medicine*, *11*, 1392690. <https://doi.org/10.3389/fmed.2024.1392690>
3. Gamborg, M. L., Mylopoulos, M., Mehlsen, M., Paltved, C., & Musaeus, P. (2023). Exploring adaptive expertise in residency: the (missed) opportunity of uncertainty. *Advances in Health Sciences Education*, 1-36. <https://doi.org/10.1007/s10459-023-10241-y>
4. Gamborg, M. L., Mehlsen, M., Paltved, C., Vetter, S. S., & Musaeus, P. (2023). Clinical decision-making and adaptive expertise in residency: A think-aloud study. *BMC Medical Education*, *23*(1), 22. <https://doi.org/10.1186/s12909-022-03990-8>
5. Pedersen, K., & Musaeus, P. (2023). A phenomenological approach to virtual reality in psychiatry education. *Frontiers in Virtual Reality*, *4*, <https://doi.org/10.3389/frvir.2023.1259>
6. Jensen, R.A.A., Musaeus, P. & Pedersen, K. Virtual patients in undergraduate psychiatry education: a systematic review and synthesis. *Advances in Health Sciences Education* (2023). <https://doi.org/10.1007/s10459-023-10247-6>
7. Musaeus, L. H., Caspersen, M. E., & Musaeus, P. (2023, September). A Template for Teaching Computational Modelling in High School. In *Proceedings of the 18th WiPSCE Conference on Primary and Secondary Computing Education Research* (pp. 1-10).
8. Rasmussen, E. L., Musaeus, M. H., Dahl, M. R., Løvschall, H., & Musaeus, P. (2023). Enhancing dental and medical students' self-regulated learning through multiple choice questions: An evaluative study using machine learning: An evaluation of two multiple-choice questions systems using machine learning. *Tidsskriftet Læring og Medier (LOM)*, *17*(29).
9. Gamborg, M. L., Mehlsen, M., Paltved, C., Vetter, S. S., & Musaeus, P. (2023). Clinical decision-making and adaptive expertise in residency: a think-aloud study. *BMC Medical Education*, *23*(1), 1-20.
10. Gamborg, M. L., Jensen, R. D., Musaeus, P., & Mylopoulos, M. (2022). Balancing closure and discovery: Adaptive expertise in the workplace. *Advances in Health Sciences Education*, 1-14.

11. Musaeus, L. H., Tatar, D., & Musaeus, P. (2022). Computational Modelling in High School Biology: A Teaching Intervention. *Journal of Biological Education*, 1-17.
12. Bøje, R. B., Musaeus, P., Sørensen, D., & Ludvigsen, M. S. (2022). Toward Nurses' Transformative Agency in Transitional Care for Older Adults: A Change-Laboratory Intervention. *Global Qualitative Nursing Research*, 9, 23333936221087622
13. Musaeus, P. Computational Thinking - et TC på CT. (2022). *Dansk Universitetspædagogisk Tidsskrift*, 17(32), 137-141.
14. Fiehn, N. E., & Musaeus, P. Fremtiden for odontologisk uddannelse og tandlægens roller. [Editorial: Future of odontological education and the roles of dentists]. *Tandlaegebladet*. 26(10), 905.
15. Rasmussen, Leth & Musaeus, P. (2022). Kritisk tænkning og refleksion i uddannelse og tandlægeprofession. *Tandlaegebladet*, 126(10), 924-928.
16. Musaeus, P., Kærsgaard, J.L. & Rasmussen, E. (2022). Tandlægeuddannelsen i det 21. århundrede: 10 temaer til curriculumrevision. *Tandlaegebladet*, 126(10), 906-917.
17. Musaeus, P., Lindelof, D. & Kirkevang, L.L. (2022). Tandlægens transition: Nyuddannedes læring i overgangen til praksis. *Tandlaegebladet*, Bind 126, Nr. 10, 10.2022, s. 918-923.
18. Bøje, R. B., Musaeus, P., Sørensen, D., & Ludvigsen, M. S. (2021). Systemic contradictions as causes to challenges in nurses' transitional care: A change laboratory intervention. *Nurse Education Today*, 103, 104950. <https://doi.org/10.1016/j.nedt.2021.104950>
19. Musaeus, L. H., & Musaeus, P. (2021). Computing and Gestures in High School Biology Education. In *Proceedings of the 26th ACM Conference on Innovation and Technology in Computer Science Education V. 1* (pp. 533-539).
20. Dahl, M. R., Lauritzen, K., & Musaeus, P. Four phases of video streaming: A case study of medical teaching. *Tidsskriftet Læring og Medier (LOM)*, 14(24). [15 pages]
21. Baaij, A., Özok, A. R., Væth, M., Musaeus, P., & Kirkevang, L. L. (2020). Self-efficacy of undergraduate dental students in Endodontics within Aarhus and Amsterdam. *International endodontic journal*, 53(2), 276-284.
22. Bisgaard, C. H., Rodt, S. A., Musaeus, P., Petersen, J. A. K., & Rubak, S. L. M. (2021). Early procedural training increases anesthesiology residents' clinical production: a comparative pre-post study of the payoff in clinical training. *BMC Medical Education*, 21(1), 1-9.
23. Gamborg, M. L., Mehlsen, M., Paltved, C., Tramm, G., & Musaeus, P. (2020). Conceptualizations of clinical decision-making: a scoping review in geriatric emergency medicine. *BMC emergency medicine*, 20(1), 1-12.
24. Brogaard, L., Kierkegaard, O., Hvidman, L., Jensen, K. R., Musaeus, P., Uldbjerg, N., & Manser, T. (2019). The importance of non-technical performance for teams managing postpartum haemorrhage: video review of 99 obstetric teams. *BJOG: An International Journal of Obstetrics & Gynaecology*, 126(8), 1015-1023.
25. Musaeus, L. H., & Musaeus, P. (2019). Computational thinking in the Danish high school: Learning coding, modeling, and content knowledge with Netlogo. In *Proceedings of the 50th ACM technical symposium on computer science education* (pp. 913-919).
26. Jakobsen, F., Musaeus, P., Kirkeby, L., Hansen, T.B., Moercke, A.M. (2019). Emotions and clinical learning in an interprofessional outpatient clinic: A focused ethnographic study. *Journal of Interprofessional Care*. 33(1): 57-65. Doi: 10.1080/13561820.2018.1514372.

27. Musaeus, P. Stemmen. (2018). [The Voice]. Serien: Tænkepauser, Aarhus Universitetsforlag.
28. Brinkmann, S. Musaeus, P. (2018). Commentary: Coming of age in a youthful culture: A commentary from cultural psychology, *Cultures of Care: Handbook of Cultural Geropsychology* Editors: Thomas Boll, Dieter Ferring, and Jaan Valsiner, Publisher: Information Age Publishers, Inc., Charlotte, N.C. p. 83-96.
29. Musaeus, P. (2018). The transition to independent practice, Ch.26. *Textbook of Endodontology*, 3rd edition. Pp. 451-462. Editors: Bjørndal, Kirkevang, Whitworth. Wiley Blackwell.
30. Bisgaard, C.H., Rubak, S.L. Mørck Rodt, S.Å., Petersen, J.A.K., Musaeus, P. (2018). The effects of graduate competency-based education and mastery learning on patient care and return on investment: A narrative review of basic anesthetic procedures. *BMC Medical Education*, 18(154): 1-15.
31. Musaeus, P., Wellbery, C., Walpole, S., Rother, H.A., Vyas, A., Leedham-Green, K. (2018). ECollaborating for Environmentally Sustainable Health Curricula. in: Azeitero, U.M., Leal Filho, W., Aires, L., (Eds.). *Climate Literacy and Innovations in Climate Change Education - Distance Learning for Sustainable Education*, volume produced as part of the "World Sustainability Series " published by Springer. Pp. 151-168.
32. Brogaard, L., Hvidman, L., Hinshaw, K., Kierkegaard, O., Manser, T., Musaeus, P., Arafeh, J., Daniels, K.I., Judy, A.E., Ulbjerg, N. (2018). Development of the TeamOBS-PPH - targeting clinical performance in postpartum hemorrhage. *Acta Obstetrica et Gynecologica*, 27.02.2018.
33. Creamer, E., Musaeus, P., Edwards, C., (2018). Extending the use of references to the literature: Lessons from a content analysis of mixed method case exemplars. *International Journal of Educational Research*. Vol. 89, 2018, p. 59-67. <https://doi.org/10.1016/j.ijer.2017.07.007>
34. Musaeus, P. & Blavnfeldt. (2017). In: Binow-Kjær, L. (Ed.). *Lægens roller. En guide til professionel udvikling for medicinstuderende og yngre læger*. [The Physicians' Roles: A guide to professional development for students and young doctors], FADL.
35. Musaeus, P., Tatar, D., Rosen, M. (2017). Medical Computational Thinking, *Computational Thinking: Research and Practice*. Chapter. AECT/Springer book (Editors) Charles B. Hodges and Peter Rich. Pp.85-98. https://link.springer.com/chapter/10.1007/978-3-319-52691-1_6/fulltext.html
36. Tatar, D., Harrison, S., Stewart, M., Frisina, C. & Museaus, P. (2017). Protocomputational Thinking: the Uncomfortable Underpinnings. *Medical Computational Thinking, Computational Thinking: Research and Practice*. Chapter. AECT/Springer book (Editors). Charles B. Hodges and Peter Rich. Pp. 63-81. https://link.springer.com/chapter/10.1007/978-3-319-52691-1_5
37. Walpole, S.C., Vyas, A., Maxwell, J., Canny, B.J., Woolard, R., Wellberry, C., Leedham-Green, K., Musaeus, P., Tufail-Hanif, U., Pavão Patrício, K., Rother, H.A. (2017). Building an environmentally accountable medical curriculum through international collaboration. *Medical Teacher*. 1-11. DOI: 10.1080/0142159X.2017.1342031
38. Paltved, C., Bjerregaard Thais, A. Krogh K., Pedersen Juul, J., Musaeus, P. (2017). Designing in situ simulation in the emergency department: evaluating safety attitudes

- amongst physicians and nurses. *Advances in Simulation*. 2:4 doi: 10.1186/s41077-017-0037-2
39. Musaeus, P. (2017). Represented Speech in: *Qualitative Health Research CASE SAGE Research Methods Cases Part 2* doi: <http://dx.doi.org/10.4135/9781526421043>
 40. Skipper, M., Musaeus, P. Backman Nøhr, S. (2016). The pediatric change laboratory: optimizing postgraduate learning in the outpatient clinic. In: *BMC Medical Education*, Vol. 16. 2016. doi: 10.1186/s12909-016-0563-y
 41. Skipper, M., Backman Nøhr, S., Klitgaard Jacobsen, T. & Musaeus, P. (2016). Organisation of workplace learning: A case study of pediatric residents' and consultants' beliefs and practices. *Advances in Health Sciences Education*. 21: 677-694.
<https://doi.org/10.1007/s10459-015-9661-6>
 42. Musaeus, P. (2015). Medical Identity: A Socio-Cultural Analysis. *European Journal for Person Centered Healthcare*. 3(2): 222-227.
<http://ubplj.org/index.php/ejpc/article/view/940>
 43. Musaeus, P. & Mørcke, A.M. (2015). Teaching activities in the Medical Sciences. *University Teaching and Learning*. Rienecker, L., Stray Jørgensen, P., Dolin, J. & Ingerslev, G. H. (Editors). Copenhagen: Samfundslitteratur. p. 251-258.
 44. Krogh, L., Stentoft, D., Emmersen, J. M. G. & Musaeus, P. (2015). Case-based learning. *University Teaching and Learning*. Rienecker, L., Stray Jørgensen, P., Dolin, J. & Ingerslev, G. H. (Editors). Frederiksberg: Copenhagen: Samfundslitteratur. p. 201-214.
 45. Paltved, C., Mørcke, A. M. & Musaeus, P. (2015). Insider action health research: The interprofessional surgical ward. *Action Research*. doi:10.1177/1476750315592937
 46. Musaeus, P. Brændstrup Bennedsen, A. Saltoft Hansen, J. & Dahl, M.R. (2015). LMS, læringsanalytik og kvalitet. Et casestudie af universitetsunderviseres brug af Blackboard. [LMS, learning analytics and quality: A casestudy of university teachers' use of Blackboard]. *Læring og Medier (LOM)*. Vol. 13,, p. 1-22.
 47. Williams, L. P. H., Christensen, M. K., Rytter, C. & Musaeus, P. (2014). Clinical Positioning Space: Residents' Clinical Experiences in the Outpatient Oncology Clinic. *Qualitative Health Research*. 1-11. doi: 10.1177/1049732314553596
 48. Paltved, C., Nielsen, K. & Musaeus, P. (2013). A mixed methods observational simulationbased study of interprofessional team communication. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*. 21(Suppl. 2), A1.
<https://sjtrem.biomedcentral.com/track/pdf/10.1186/1757-7241-21-S2-A1?site=sjtrem.biomedcentral.com>
 49. Lund, O., Musaeus, P. & Christensen Krogh, M. (2013). Shared Deliberate Practice: A Case Study Of Elite Handball Team Training. *Athletic Insight*. 5(2). Pp. 211-228
 50. Rienecker, L., von Müllen, R., Dolin, J., Musaeus, P. & Mørcke, A. M. (2013). Aktiviteter i fagene. *Universitetspædagogik*. Rienecker, L., Jørgensen, P., Dolin, J. & Ingerslev, G. (ed.). Copenhagen: Samfundslitteratur, Kap. 4.5.2, pp. 251-258. [Activities in the subjects]
 51. Musaeus, P. 2013. Case-baseret undervisning. 17 ting, du kan gøre ved din undervisning: *Inspiration fra Dansk Universitetspædagogisk Netværks konference 2012* . Dansk Universitetspædagogisk Netværk (DUN), s. 79-83. [Case-based teaching].
 52. Krogh, L., Stentoft, D., Emmersen, J. M. G. & Musaeus, P. (2013). *Universitetspædagogik*. Rienecker, L., Stray Jørgensen, P., Dolin, J. & Ingerslev, G. H. (ed.). 1 udg. Frederiksberg C: Copenhagen: Samfundslitteratur, Kap. 4.3, Pp.. 201-214.

53. Dahl, M. R., Hedegaard, E. & Musaeus, P. (2013). Online farmakologi i det virtuelle laboratorium. *Læring og Medier (LOM)*. 11, 18 pages. ISSN-number 1903-248X [Online pharmacology in the virtual laboratory].
54. Paltved, C. & Musaeus, P. (2013). Model for Capturing Team Adaptation in Simulated
55. Emergencies: The Importance of Updates. *Simulation in Healthcare*, 8(6), Board 397, p. 576.
56. Brinkmann, S. & Musaeus, P. (2012). Emotions and the moral order. Dynamicity in Emotion Concepts, Pp. 123-138. *Lodz Studies in Language*, Wilson, P.A. (ed.). Peter Lang Publishing.
57. Musaeus, P. (2012). Korttids etnografi – hverken blitzkrig eller eksil. *Deltager observation. En metode til undersøgelse af psykologiske fænomener*. Pp. 149-160. In: Pedersen, M., Klitmøller, J. & Nielsen, K., Hans Reitzels Forlag. [Shortterm Ethnography – neither Blitzkrieg nor Exile]
58. Paltved, C. & Musaeus, P. (2012). Qualitative Research on Emergency Medicine Physicians: A literature review. *International Journal of Clinical Medicine*, 3(12). 772-789.
59. Lyons, R., Musaeus, P., Salas, E. & Wilson, K.A. (2012). The science and practice of job analysis abroad. *The handbook of work analysis in organizations. The methods, systems, applications, and science of work measurement in organizations*, In: Wilson, M., Harvey, R. J., Alliger, G. M. & Bennett, W. Jr. (Eds.), New York: Routledge Academic.
60. Musaeus, P. (2012). Team Reasoning: Between Team Cognition and Societal Knowledge. *Theories of Team Cognition: Cross-Disciplinary Perspectives*, Ch. 19. Pp.495-516. In: Salas, E., Fiore, S. & Letsky, M. (Eds.), New York: Taylor & Francis.
61. Musaeus, P. Brinkmann, S. (2011). The semiosis of family conflict : A case study of the semiosis of Home-based psychotherapy. *Culture & Psychology*, 17(1): 47-63. <http://journals.sagepub.com/doi/10.1177/1354067X10388851>
62. Musaeus, P. (2011). Dynamisk delegeret lederskab: Følelser i det sikkerhedskritiske team. Ch.5. In: Elmholdt, C. & Tanggaard, L. (Eds.). *Følelser i ledelse. Moderne arbejdsliv*, Klim. Pp. 111-130 .
63. Musaeus, P. & Jacobsen, A. (2011). Regulering af teamemotion: Traumesygeplejerskers emotionelle arbejde, [Regulation of team emotion: Trauma nurses' emotional labour]. *Tidsskrift for arbejdsliv*. 13(2): 59-72.
64. Musaeus, P. (2009). Teamtillid. [Team trust]. *Psyke og Logos*, 2: 453-470.
65. Musaeus, P. (2008). A Luthier on the Road. A Case Study of Craft Apprenticeship, In: Nielsen, K., Brinkmann, S., Elmholdt, C., Tangaard Pedersen, L., Musaeus, P. & Kraft, G. (Eds.). *A Qualitative Stance: In memory of Steinar Kvale (1938-2008)*. Aarhus, Aarhus University Press, pp. 57-70.
66. Musaeus, P. (2007). Editorial, *Critical Social Studies. Outlines*, 9(2): 1-2.
67. Musaeus, P. (2006). Struggling to become a nurse. In: Zeitler, L. (Ed.). *Theory and Practice in Nursing Education*, pp. 189-198, Aarhus The center for Innovation in Nursing Education.
68. Musaeus, P. (2006). A sociocultural approach to apprenticeship learning and person formation, *Outlines. Critical Social Studies*, 8(1): 19-31.
69. Kristensen, O.S. & Musaeus, P. (2006). Expressions of Self in a Reemployment Program, In: Prescott, A.P. (Ed.) *The Concept of Self in Psychology*, Nova Publ., New York, pp. 243-265.

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72. Musaeus, P. & Kristensen, O.S. (2005). Transformativ og ekspansiv læring i to voksenalringsmiljøer, [Transformative and expansive learning in two adult learning environments]. *Psyke og Logos*, 2: 714-729.
73. Musaeus, P. & Elmholdt, C. (2004). Eklekticisme og erhvervsuddannelses-pædagogik: Styring, tendens eller tilfældighed? [Eclecticism and vocational educational pedagogy: Governance, tendency or coincidence?] *Tidsskrift for arbejdsliv*, 6(4): 77-90.
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