

CURRICULUM VITAE (31.5.2018)

1. Full name

- Helle, Laura Helena

2. Academic education

- Separate pedagogical studies in teacher education (60 ECTS: Department of Education, University of Turku, 29.7.2016)
- Title of Docent. Field: “Academic expertise and learning”, 18.3.2013, Faculty of Education, University of Turku
- Doctor of Philosophy (Education), Faculty of Education, University of Turku, Finland, 5.12.2007; Topic of dissertation: Exploring project-based learning in higher education. The interplay between teacher-regulation and student self-regulation of learning
- Master of Philosophy (Humanities), University of Turku, Finland, 22.4.1999
- Master of Science (Economics), Turku School of Business Administration, 1994
- Matriculation examination 9.2.1994 (6 x L “outstanding”), Turun iltalukio, 31.5.1989

3. Posts and positions of primary importance

- University research fellow (tenured), Department of Teacher Education (Turku campus), University of Turku, 1.1.2018-
- University research fellow, Department of Teacher Education (Unit in Turku), University of Turku, 1.1.2014-31.12.2016 (duties: research and teaching; max. 180-200 contact hours of teaching); part-time coordinator of the OPPI doctoral programme (1.1.2016-); part-time university research fellow 1.1.2017-31.12.2017 due to a personal grant
- Post-doctoral researcher, Academy of Finland (1.1.2011-31.12.2013)
- Senior researcher (“erikoistutkija”), University of Turku, Department of Teacher Education (1.1.2010-31.12.2010)
- During the time period 1.7.1999-5.12.2007, uninterrupted work at the University of Turku or the University of Jyväskylä under the title research research assistant, researcher, coordinator (“suunnittelija”), research associate and grant recipient (“apurahatutkija”).
- Since 15.8.2005, uninterrupted employment either at the Faculty of Education or the Faculty of Social Sciences at the University of Turku

Most import employment opportunities 2005-2009

- University of Turku, Department of Psychology, senior researcher (“erikoistutkija”) 1.3.2008-31.12.2008
- Turku Institute for Advanced Studies, post-doctoral researcher 1.3.2009-31.12.2009 (9 months)

- Coordination of the Doctoral Programme for Multidisciplinary Research on Learning Environments (15.8.2005-2009; part-time)
- Coordination of the Virtual university project of Finnish faculties of Education (15.8.2005-31.12.2006; part-time)

4. Research funding during the last five years

- “Work-based project learning in business education: a marginal phenomenon or a solution to challenges facing current society?” Foundation for Economic Education, Finland (December, 2015): 20.000 e (used for piloting phase)
- Turun kauppaopetussäätiö (December, 2017): 5.000 e (reserved for the actual data collection in 2018)
- Olga & Vilho Linnamo Foundation (2017): 4.500 e (reserved for the actual data collection in 2018)

5. Most important expert assignments

- External reviewer of doctoral dissertation: Simon Frasier University, Canada (July, 2016)
- Editorial board member of Educational Research Review (2014->); Assistant editor of Educational Research Review (1.1.2010-31.12.2013)
- Peer-reviews for international journals (including Educational Research Review, Vocations & Learning, BMC Medical Education, Learning & Instruction)
- Official supervisor of doctoral theses: Sinikka Inkeroinen-Huhta (analysis phase of monograph complete), Anne Virmajoki (one article published), Tiina Tuijula (successful defense in 2011)

6. Most important scientific acknowledgements

Rated among the top three candidates with the necessary qualifications for a fixed term professorship in education, University Centre Kokkola, Finland, 2017

7. Outreach activities

- Teacher education development liason person (1.1.2018-31.12.2020, DiVED project, funding: Ministry of Education (purpose: to better prepare the new generation of Finnish teachers to account for student diversity in the classroom))

Publications

Peer-reviewed articles in scientific journals

1. Helle, L. (2017). Prospects and pitfalls in combining eye tracking data and verbal reports. *Frontline Learning Research* (new EARLI journal: no IF yet)
2. Bertram, R., Kaakinen, J., Helle, L., Bensch, F., Lantto, E., Niemi, P., & Lundbom, N. (2016). Eye movements reflect expertise in interpreting CT studies – a potential tool to measure resident development. *Radiology*, 281(3), 805-815. (IF₂₀₁₅: 6.9)
3. Bertram, R., Helle, L., Kaakinen, J. K., & Svedström, E. (2013). The Effect of Expertise on Eye Movement Behaviour in Medical Image Perception. *PloS one*, 8(6), e66169. (IF₂₀₁₁: 4.1)
4. Helle, L., Laakkonen, E., Tuijula, T., & Vermunt, J.D. (2013). The developmental trajectory of perceived self-regulation, personal interest, & general achievement throughout high school. A longitudinal study. *British Journal of Educational Psychology*, 83(2), 252-266. (IF₂₀₁₁: 1.4)
5. Nivala, N., Lehtinen, E., Helle, L., Kronqvist, P., Paranko, J., & Säljö, R. (2013). Histological knowledge as a predictor of medical students' performance in diagnostic pathology. *Anatomical Sciences Education*, 8 (6), 361-367 (IF₂₀₁₁: 3.0)
6. Helle, L., Nivala, M., Kronqvist, P. (2013). More technology, better learning resources, better learning? Lessons from adopting virtual microscopy in undergraduate medical education. *Anatomical Sciences Education*, 6 (2). 73-80. (IF₂₀₁₁: 3.0)
7. Helle, L. & Säljö, R. (2012). Introduction to special issue: Collaborating with digital tools and peers in medical education. Cases and simulations as interventions in learning. *Instructional Science*, 40, 737-744. (IF₂₀₁₁: 1.8)
8. Helle, L. & Säljö, R.(Eds.) (2012). Special issue: Collaborating with digital tools and peers in medical education. Cases and simulations as interventions in learning. *Instructional Science*, 40, 737-744. (IF₂₀₁₁: 1.8)
9. Helle, L., Nivala, M., Kronqvist, P., Gegenfurtner, A., Björk, P., & Säljö, R. (2011). Traditional microscopy instruction versus process-oriented virtual microscopy instruction: a naturalistic experiment with control group. *Diagnostic Pathology*, 6 (Suppl. 1), 58. (IF₂₀₁₁: 1.6)
10. Helle, L., Nivala, M., Kronqvist, P., Ericsson, K.A. & Lehtinen, E. (2010). Do prior knowledge, personality and visual perceptual ability predict student performance in microscopic pathology? *Medical Education*, 44 (6), 621-629. (IF₂₀₁₁: 3.2)
11. Tynjälä, P., Pirhonen, M., Vartiainen, T. & Helle, L. (2009). Educating IT project managers through project-based learning: a working-life perspective. *Communications of the Association for Information Systems*, 24 (16).

12. Helle, L., Tynjälä, P., Olkinuora, E. & Lonka, K. (2007). "Ain't Nothing Like the Real Thing". Motivation and Study Processes in University-Level Project Studies. *British Journal of Educational Psychology*, 77 (2). (IF₂₀₀₇: 1.0)
13. Helle, L., Tynjälä, P. & Olkinuora, E. (2006). Project-based learning in post-secondary education. Theory, practice and rubber sling shots. *Higher Education*, 51, 287-314. (IF₂₀₁₁: 1.1)

Other articles in scientific compilation books with referee practice

Virmajoki, A. & Helle, L. (2016). Definitions of medication calculation competence of registered nurses: an integrative review. In H. Silfverberg & P. Hästö (Eds.), *Matemattikan ja luonnontieteiden opetuksen tutkimusseuran tutkimuspäivät 2015*. (A4)

Helle, L. & Tynjälä, P. (2007) Outcomes of project-based studies and student self-regulation of learning. In Pamela B. Richards (Ed.), *Global issues in Higher Education*. New York: Nova Science Publishers.

Helle, L., Tynjälä, P. & Olkinuora, E. (2007) Where's the learning in project-based learning? Case study in information systems design. In R. Rinne, A. Heikkinen & P. Salo (Eds.) *Adult Education – Liberty, Fraternity, Equality? Nordic views on lifelong learning*. Research in Educational Sciences 28. Turku: Finnish Educational Research Association.

Helle, L., Tynjälä, P. & Vesterinen, P. (2006). Work-related project as a learning environment. In P. Tynjälä, J. Välimaa & G. Boulton-Lewis (Eds.) *Higher Education and Working Life Collaborations, confrontations and challenges*. EARLI Advances in Learning Series. Amsterdam: EARLI, Elsevier.

Helle, L., Tuominen, T. & Olkinuora, E. (2006). Learning in project-based extension training? In P. Tynjälä, J. Välimaa & G. Boulton-Lewis (Eds.), *Higher Education and Working Life. Collaborations, confrontations and challenges*. EARLI Advances in Learning Series. Amsterdam: EARLI, Elsevier.

Lappalainen, M. & Helle, L. (2005). Miten jäsentää yliopisto-opettajille suunnattua osaamisen kehittämistarjontaa? Teoksessa A. Virta, K. Merenluoto & P. Pöyhönen (toim.) *Ainedidaktiikan ja oppimistutkimuksen haasteet opettajankoulutukselle*. Turun yliopiston kasvatustieteiden tiedekunnan julkaisuja B:75, 399-406.

Helle, L., Vesterinen, P. & Tynjälä, P. (2004). Työelämäprojekti oppimisympäristönä. (A work-based project as a learning environment) In P. Tynjälä, J. Välimää & M. Murtonen (Toim.) *Korkeakoulutus ja työelämä*. Jyväskylä: PS-Kustannus.

Tynjälä, P., Helle, L., Murtonen, M., Mäkinen, J., Lonka, K. & Olkinuora, E. (2001). A University Studies Perspective into the Development of Professional Expertise. In E. Pantzar, R. Savolainen & P. Tynjälä (Eds.) *In Search for a Human-Centred Information Society*. Tampere University Press,

Mäkinen J., Helle, L., & Olkinuora, E. (2000). Yliopisto-opiskelijoiden käsitykset asiantuntijuudesta (The conceptions of expertise held by university students). Teoksessa: S.

Honkimäki & H. Jalkanen (Toim.) *Innovatiivinen yliopisto?* Jyväskylän yliopisto. Koulutuksen tutkimuslaitos. Jyväskylä: Yliopistopaino.

Helle, L. (1999). Mistä puhtia filologiaopintoihin? (Inspiring studies in philology) Turun yliopiston Italian kielen ja kulttuurin opiskelijoiden opiskelumotivaatio ja motivointi. Teoksessa J. Mäkinen & E. Olkinuora (Toim.) *Yliopisto-opiskelu ja sen kokeminen*. Turun yliopisto. Kasvatustieteiden tiedekunta. Julkaisusarja A:190.

Helle, L. (1998). Come rendere più motivanti gli studi di filologia? Alcune considerazioni nate da una indagine svolta tra gli studenti di lingua e cultura italiana dell'Università di Turku. *Settentrione*. Nuova Serie, n. 10, 1998.

Other scientific publications

Bertram, R., Kaakinen, J., Helle, L., Bensch, F., Lantto, E., Niemi, P., & Lundbom, N. (2017). Tracking eye movements during CT interpretation: inferences of reader performance and clinical competency require clinically realistic procedures for unconstrained search. *Response. Radiology*, 283 (3), 921-922. (IF₂₀₁₅: 6.9)

Bertram, R., Kaakinen, J., Helle, L., Bensch, F., Lantto, E., Niemi, P., & Lundbom, N. (2017). The potential of eye movement measures as a marker of expertise in interpreting CT studies. *Diagnostic Imaging Europe May/June 2017*. <http://www.dieurope.com/> (invited mini review article based on work reported in the original article which appeared in *Radiology*)

Tynjälä, P., Helle, L. & Murtonen, M. (2002). A Comparison of Students' and Experts' Beliefs Concerning the Nature of Expertise. In: E. Pantzar (Ed.) *Perspectives on the Age of the Information Society*. Reports of the Information Research Programme of the Academy of Finland. Tampere University Press.

Helle, L. (2000). Tietojärjestelmätieteen opiskelijoiden opiskeluorientaatiot ja niiden yhteydet sosiokulttuuralliseen taustaan (Information systems design students' general study orientations). Teoksessa E. Pantzar (Toim.) *Informaatio, tieto ja yhteiskunta: raportti Tiedon tutkimusohjelman II tutkijaseminaarista 8.-9.6.2000*. Tampereen yliopisto.

Text books and other publications related to research work

Helle, L. (2007). *Exploring project-based learning: the interplay between teacher regulation and student self-regulation of learning*. Faculty of Education, University of Turku.

Helle, L., Klemelä, K., Trapp, H. & Olkinuora, E. (2002; Toim.) *Osaamisen kehittäjäksi (Competence Development)*. Turun yliopiston täydennyskoulutuskeskus. Sarja B, Raportit ja selvitykset: 17:

- Helle, L., Trapp, H., Vauras, M. & Olkinuora, E. (2003). *Suunnistuskierron alku: joitakin perusasioita*
- Helle, L., Olkinuora, E. & Vauras, M. (2003). *Osaamisen kehittäminen yksilönäkökulmasta*
- Helle, L. & Keskinen, E. (2003). *Osaamisen kehittäminen tiimin näkökulmasta*
- Helle, L., Tuominen, T., Trapp, H. & Rinne, R. (2003). *Kehä sulkeutuu: täydentävä katsaus osaamisen kehittämiseen organisaatiossa*

- Helle, L., Klemelä, K., Tuominen, Wallenius, L., & T., Hirvonen, R. (2003).
Juonnettu kirjallisuusluettelo

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