

## Teaching portfolio

**1. Teaching CV: A list of teaching and supervision tasks, including specification of academic fields, scope, level (bachelor, master, continuing education, PhD). Please state the teaching method used (e.g. lecture, class teaching, exercises, supervision, examination, coexamination, distance teaching, internet-based teaching and evaluation of teaching). Please also indicate the language of instruction.**

Ph D supervision Pedagogical supervision of assistant professors Master education: MEDIS Master education: Biomedical Engineering Master education: Smertevidenskab og tværfaglig smerte-behandling Specialty education for medical doctors in Denmark Supervision of students: From study to job External supervisor: Elementary school projects External supervisor: Highschool (gymnasium) projects

**2. Study/programme administration and management: Experience in programme management and coordination. A list of study administration tasks, e.g. study board membership, chair of study board, semester or course coordinator, accreditation tasks, etc. Experience in planning teaching activities. Experience in programme development. Participating in committees and commissions etc. on education issues.**

Chairman and moderator Ph D defences

**3. Formal pedagogical training: A list of completed courses in university pedagogy, PBL courses, workshops, academic development projects, collegial guidance and supervision, etc. Written assessment from the course in university pedagogy for assistant professors. Participation in conferences on pedagogy and didactics. Please enclose any documentation of the above, such as course certificates, references, etc**

Act as pedagogical supervision of assistant professors

**4. Other qualifications: Conference contributions and attendance, contributions to debates, scientific articles on pedagogical issues etc. Peer supervision, editorials, mentoring experience or other types of competence development activities.**

Record for 2022: Aliotta GE, Lo Vecchio S, Elberling J, Arendt-Nielsen L. 2022. Antipruritic effect of TRPA1 antagonist on non-histaminergic itch induced by BAM8-22, a pilot study. Poster presented at IASP 2022 World Congress on Pain, Toronto, Canada. Aliotta GE, Lo Vecchio S, Elberling J, Arendt-Nielsen L. 2022. Effect of antihistaminergic cream doxepin on itch induced by histamine, bam8-22, and cowhage. Poster presented at 12th Congress of the European Pain Federation (EFIC), Dublin, Ireland. Arendt-Nielsen L, Thise Pedersen J, Høj AL, Thomsen L, Dreier S, Keefe FJ. 2022. The Evolving Landscape of Publishing in the Field of Pain: A Bibliometric Analysis from 1974-2021. Poster presented at IASP 2022 World Congress on Pain, Toronto, Canada. Arendt-Nielsen L. 2022. Fra smerteimpuls til smerteoplevelse. Poster presented at Aalborg Tandlæge Selskab, Aalborg, Denmark. Castaldo M, Di Antonio S, Ponzano M, Bovis F, Torelli P, Finocchi C, Arendt-Nielsen L. 2022. Cervical musculoskeletal dysfunction and signs of sensitization during the migraine cycle in episodic migraine patients. In 12th Congress of The European Pain Federation® - Pain in Europe XII - Targeting Pain and its Comorbidities in the Digital Age: Abstract Book. pp. 44. Castaldo M, Di Antonio S, Ponzano M, Bovis F, Torelli P, Finocchi C, Arendt-Nielsen L. 2022. Musculoskeletal dysfunctions and quantitative sensory testing in migraine patients with and without neck pain. In 12th Congress of The European Pain Federation® - Pain in Europe XII - Targeting Pain and its Comorbidities in the Digital Age: Abstract Book. pp. 45. Coxon L, Lugt C, Perro D, Lunde CE, Gomes JF, Cordeiro AC, Mendes PA, Birch J, Meijlink J, Hummelshøj L, et al. 2022. Have you ever had a flare of your symptoms? Clinically important findings from under-explored FLARES in Chronic Pelvic Pain. Poster presented at IASP 2022 World Congress on Pain, Toronto, Canada. Coxon L, Tan E, Perro D, Lunde CE, Gomes JF, Cordeiro AC, Mendes PA, Meijlink J, Hoffman A, Birch J, et al. 2022. What drinking water tells us about bladder sensitivity in Chronic Pelvic Pain. Poster presented at IASP 2022 World Congress on Pain, Toronto, Canada. Demetriou L, Coxon L, Perro D, Mendes PA, Lunde CE, Garbutt K, Krassowski M, Vitonis A, Arendt-Nielsen L, Aziz Q, et al. 2022. Understanding Fatigue in Chronic Pelvic Pain patients: a Translational Research in Pelvic Pain (TRiPP) study. Poster presented at IASP 2022 World Congress on Pain, Toronto, Canada. Demetriou L, Krassowski M, Mendes PA, Garbutt K, Vitonis A, Wilkins E, Coxon L, Arendt-Nielsen L, Aziz Q, Birch J, et al. 2022. Exploring pelvic pain and quality of life profiles in the Translational Research in Pelvic Pain (TRiPP) cohort. Poster presented at IASP 2022 World Congress on Pain, Toronto, Canada. Di Antonio S, Castaldo M, Finocchi C, Torelli P, Arendt-Nielsen L. 2022. Differences in clinical characteristics, musculoskeletal impairments, signs of sensitization, and psychological burden between migraine patients with and without neck pain. Poster presented at IASP 2022 World Congress on Pain, Toronto, Canada. Di Antonio S, Castaldo M, Ponzano

M, Bovis F, Torelli P, Finocchi C, Arendt-Nielsen L. 2022. Assessing which risk factors could predicting the presence of neck pain in migraine patients. In 12th Congress of The European Pain Federation® - Pain in Europe XII - Targeting Pain and its Comorbidities in the Digital Age: Abstract Book. pp. 44-45. Di Antonio S, Castaldo M, Ponzano M, Bovis F, Torelli P, Finocchi C, Arendt-Nielsen L. 2022. Trigemino-cervical sensitization during the migraine cycle in episodic migraine patients. In 12th Congress of The European Pain Federation® - Pain in Europe XII - Targeting Pain and its Comorbidities in the Digital Age: Abstract Book. pp. 45-46. Di Antonio S, Castaldo M, Torelli P, Finocchi C, Arendt-Nielsen L. 2022. Phenotyping migraine patients according to psychophysical characteristics. Poster presented at IASP 2022 World Congress on Pain, Toronto, Canada. Di Antonio S, Castaldo M, Torelli P, Finocchi C, Arendt-Nielsen L. 2022. The time from the last and to the next headache attack predict pain sensitization in high-frequency but not low-frequency episodic migraine patients. Poster presented at IASP 2022 World Congress on Pain, Toronto, Canada. Ebbesen BD, Giordano R, Rasmussen BS, Nielsen H, Arendt-Nielsen L. 2022. Identifying Long COVID-19 Pain Sequelae in Previous Hospitalized and Non-hospitalized SARS-CoV-2 Infected Cases: A National Incidence Study. Poster presented at IASP 2022 World Congress on Pain, Toronto, Canada. Giordano R, Aliotta GE, Lo Vecchio S, Fredsgaard M, Arendt-Nielsen L, Thomsen MH, Stensballe A. 2022. Analgesic and antipruritic effect of salicornia extract-infused cream on healthy participants. Poster presented at EFIC2022 European Pain Federation, dublin, Ireland. Giordano R, Leto A, Aboo C, Okutani H, Arendt-Nielsen L. 2022. Temporal plasma proteome modifications induced by acute experimental muscle pain in humans. Poster presented at IASP 2022 World Congress on Pain, Toronto, Canada. Giordano R, Okutani H, Gerra MC, Lo Vecchio S, Stensballe A, Petersen KK, Arendt-Nielsen L. 2022. Temporal dysregulation of circulating micrornas after acute experimental pain. Poster presented at EFIC2022 European Pain Federation, dublin, Ireland. Herrero-Montes M, Fernández-de-las-Peñas C, Ferrer-Pargada D, Tello-Mena S, Arendt-Nielsen L. 2022. Pain Intensity and Anxiety are associated with Kinesiophobia Levels in COVID-19 Survivors with post-COVID Pain Symptoms. Poster presented at IASP 2022 World Congress on Pain, Toronto, Canada. Herrero-Montes M, Fernández-de-las-Peñas C, Ferrer-Pargada D, Tello-Mena S, Arendt-Nielsen L. 2022. The S-LANSS and PainDETECT for evaluating Neuropathic Pain Symptomatology as Long-term Post-COVID Pain Sequelae. Poster presented at IASP 2022 World Congress on Pain, Toronto, Canada. Kilic K, Sejersgaard-Jacobsen TH, Jørgensen MK, Larsen DB, Troelsen A, Arendt-Nielsen L, Petersen KK. 2022. Preoperative quantitative sensory testing predicting chronic postoperative pain and postoperative pain relief following total knee arthroplasty surgery: a systematic review. In 12th Congress of The European Pain Federation® - Pain in Europe XII - Targeting Pain and its Comorbidities in the Digital Age: Abstract Book. pp. 6. Larsen DB, Verbrugghe J, Palsson T, Arendt-Nielsen L, Petersen KK. 2022. To sleep or not to sleep: A preliminary report on the impact of total sleep deprivation on peripheral and central pain mechanisms. In 12th Congress of The European Pain Federation® - Pain in Europe XII - Targeting Pain and its Comorbidities in the Digital Age: Abstract Book. pp. 6. Larsen JB, Roos EM, Laursen M, Holden S, Johansen MN, Rathleff MS, Arendt-Nielsen L, Rasmussen S, Skou ST. 2022. 5-year follow-up of patients with knee osteoarthritis receiving non-surgical treatment: results from a randomized controlled trial. *Osteoarthritis and Cartilage*. 30(Suppl. 1):S188-189. <https://doi.org/10.1016/j.joca.2022.02.252> Lo Vecchio S, Okutani H, Aliotta GE, Ammitzbøll N, Drewes AM, Arendt-Nielsen L. 2022. Effect of intradermal morphine on histaminergic and non-histaminergic itch. Poster presented at IASP 2022 World Congress on Pain, Toronto, Canada. Lyng KD, Andersen JD, Jensen SL, Madsen NK, Olesen JL, Arendt-Nielsen L, Petersen KK-S. 2022. Exercise improves conditioned pain modulation in patients with Subacromial Pain Syndrome. Poster presented at 12th Congress of the European Pain Federation (EFIC), Dublin, Ireland. Lyng KD, Andersen JD, Petersen KK-S, Jensen SL, Olesen JL, Arendt-Nielsen L. 2022. Exercise and Modulation of Pain Mechanisms In People with Subacromial Pain Syndrome. Poster presented at IASP 2022 World Congress on Pain, Toronto, Canada. Lyng KD, Djurtoft C, Bruun MK, Petersen KK-S, Larsen JB, Arendt-Nielsen L. 2022. Where are the gaps in the research within adults living with chronic musculoskeletal pain? A Evidence and Gap Map. Poster presented at IASP 2022 World Congress on Pain, Toronto, Canada. Okutani H, Lo Vecchio S, Ammitzbøll N, Drewes AM, Wegeberg A-ML, Arendt-Nielsen L. 2022. Peripheral morphine-induced itch in human is transmitted through a pathway distinct from the histaminergic pathway via TRPV1. Poster presented at IASP 2022 World Congress on Pain, Toronto, Canada. Perro D, Coxon L, Lunde CE, Gomes JF, Cordeiro AC, Mendes PA, Arendt-Nielsen L, Aziz Q, Birch J, Demetriou L, et al. 2022. Is conditioned pain modulation (CPM) a useful paradigm in women? A TRiPP study exploring CPM in pain-free women and those living with chronic pelvic pain. Poster presented at IASP 2022 World Congress on Pain, Toronto, Canada. Perro D, Demetriou L, Coxon L, Krassowski M, Mendes PA, Lunde CE, Garbutt K, Vitonis A, Arendt-Nielsen L, Aziz Q, et al. 2022. Widespread pain is associated with poor psychological health, sleep quality, fatigue, and pain catastrophizing in women with chronic pelvic pain: A TRiPP study. Poster presented at IASP 2022 World Congress on Pain, Toronto, Canada. Petersen KK-S, Drewes AM, Olesen AE, Ammitzbøll N, Bertoli D, Brock C, Arendt-Nielsen L. 2022. The Effect of Duloxetine on Mechanistic Pain Profiles, Cognitive Factors, and Clinical Pain in Patients with Painful Knee Osteoarthritis – A Randomized, Double-Blind, Placebo-Controlled, Crossover Study. In 12th Congress of The European Pain Federation® - Pain in Europe XII - Targeting Pain and its Comorbidities in the Digital Age: Abstract Book. pp. 115. Petrini L, Hennings K, Arendt-Nielsen L. 2022. Exploring Pain Catastrophizing in Older Adults. Poster presented at IASP 2022 World Congress on Pain, Toronto, Canada. Rasmussen S, Petersen KK, Kaae Kristiansen M, Andersen JS, Aboo C, Thomsen ME, Skjoldemose E, Jørgensen NK, Stensballe A, Arendt-Nielsen L. 2022. Determinants of effect after gold micro particles for knee osteoarthritis. Poster presented at EFIC2022 European Pain Federation, dublin, Ireland. Rasmussen S, Petersen KK, Kaae Kristiansen M, Andersen JS, Aboo C, Thomsen ME, Skjoldemose E, Jørgensen NK, Stensballe A, Arendt-Nielsen L. 2022. Gold micro-particles for knee osteoarthritis. Poster presented at EFIC2022 European Pain Federation, dublin, Ireland. Riccio D, Lo Vecchio S, Arendt-Nielsen L. 2022. Does noxious heat on top of anaesthetised skin evoke itch? An observational study. Poster presented at 12th Congress of the European Pain Federation (EFIC), Dublin, Ireland. Rizzo M, Petrini L, Del Percio C, Arendt-Nielsen L. 2022. Subcortical sources of electroencephalographic alpha rhythm desynchronization during mirror visual feedback. Poster presented at IASP 2022 World Congress on Pain, Toronto, Canada. Røikjer J, Santhiappillai S, Hansen TM, Frøkjær JB, Andersen H, Arendt-Nielsen L, Mørch CD, Ejlskjær N. 2022. Histamine-induced axon-flare response in persons with and without type 1 diabetic peripheral neuropathy. In 12th

Congress of The European Pain Federation® - Pain in Europe XII - Targeting Pain and its Comorbidities in the Digital Age: Abstract Book. pp. 64. Schmidt M, Arendt-Nielsen L, Sørensen HT, Pedersen L. 2022. Cardiovascular risks associated with diclofenac initiation: a nationwide population-based target trial. Poster presented at 12th Congress of the European Pain Federation (EFIC), Dublin, Ireland. Vela J, Dreyer L, Kjær Petersen K, Arent-Nielsen L, Kristensen S. 2022. Pain phenotyping in patients with psoriatic arthritis and hand osteoarthritis. *Annals of the Rheumatic Diseases*. 81(Suppl. 1):224-225. <https://doi.org/10.1136/annrheumdis-2022-eular.1053> Vela J, Petersen KK, Dreyer L, Arent-Nielsen L, Kristensen S. 2022. The effect of cannabidiol on quantitative sensory testing parameters in patients with hand osteoarthritis and psoriatic arthritis: a randomized double-blind placebo-controlled trial. *Annals of the Rheumatic Diseases*. 81(Suppl. 1):821-822. <https://doi.org/10.1136/annrheumdis-2022-eular.1101>

**5. Pedagogical development and research: Development of new courses, teaching materials, teaching methods, examination types or other types of pedagogical development. Didactic and pedagogical research. Cooperation with external collaboration partners.**

Act as pedagogical supervision of assistant professors

**6. References on your teaching skills from superiors or colleagues. Teaching evaluations and any teaching awards received.**

Type your answer here...

**7. Personal reflections and initiatives: Here you may state any personal deliberations as regards teaching and supervision, any wishes and plans for further pedagogical development, plans for following up on student feedback/evaluations, etc. Personal reflections on your own pedagogical practice, including objectives, methods and implementation. This should include an analysis and a reasoned description of your pedagogical activities in relation to your pedagogical understanding and student learning. Thoughts on the teaching method at Aalborg University (which is largely based on group-organised project work and problem-based learning)**

As a very successful initiative is we include master students (biomedical engineering, MEDIS and medicine) in our research group meetings and include them in interactions with the external institutions and companies. We have a very high student to job success for the students we include.

**8. Any other information or comments.**

Type your answer here...