

Framtidige forskingsmuligheter innan psykologisk smerteforskning.

Magne Arve Flaten

Psykologisk Institutt, NTNU

«forskingmuligheter»

- Tema
- Utlysingar, program for finansiering av forskning

«Pain» i tittel. Norsk adresse på reprint
author eventuelt førsteforfattar. 2014.

Minimum 3 sider.

- Statens Arbeidsmiljøinstitutt:
 - Work with prolonged arm elevation as a risk factor for shoulder pain: A longitudinal study among young adults.
 - Time-course of occupational psychological and social factors as predictors of new-onset and persistent neck pain: A three-wave prospective study over 4 years
 - Work-related psychosocial and mechanical risk factors for neck/shoulder pain: a 3-year follow-up study of the general working population in Norway
- Rikshospitalet, Anestesi/Ortopedisk
 - Pain and rehabilitation problems after single-event multilevel surgery including bony foot surgery in cerebral palsy A series of 7 children
 - Chronic pain and cardiovascular stress responses in a general population: the Tromsø Study
 - Burden of disease is often aggravated by opioid treatment of chronic pain patients: Etiology and prevention

- UiO, Med. Fak.
 - Effect of vitamin D on musculoskeletal pain and headache: A randomized, double-blind, placebo-controlled trial among adult ethnic minorities in Norway
 - Musculoskeletal Pain as Related to Some Diet Items and Fatty Acids in the Cross-Sectional Oslo Health Study
 - "Imprisoned" in pain: analyzing personal experiences of phantom pain
 - Experienced Nurses' Use of Non-Pharmacological Approaches Comprise More Than Relief From Pain
 - Clinical course of pelvic girdle pain postpartum - Impact of clinical findings in late pregnancy
 - Psychometric properties of the pain stages of change questionnaire as evaluated by rasch analysis in patients with chronic musculoskeletal pain
 - (Un)doing gender in a rehabilitation context: a narrative analysis of gender and self in stories of chronic muscle pain
- UiB, Med. Fak./UNI Helseforskning
 - Effective Pain Management in Patients with Dementia: Benefits Beyond Pain?
 - How can a brief intervention contribute to coping with back pain? A focus group study about participants' experiences
 - The MOBID-2 pain scale: Reliability and responsiveness to pain in patients with dementia
 - Impact of a stepwise protocol for treating pain on pain intensity in nursing home patients with dementia: A cluster randomized trial
 - The importance of pain management in older people with dementia
 - Efficacy of pain treatment on mood syndrome in patients with dementia: a randomized clinical trial
 - The Response of Agitated Behavior to Pain Management in Persons with Dementia
 - Fatigue and Depression in Sick-Listed Chronic Low Back Pain Patients
 - Are 2 Questions Enough to Screen for Depression and Anxiety in Patients With Chronic Low Back Pain?
 - Management of chest pain: a prospective study from Norwegian out-of-hours primary care

- NTNU, Med. Fak. / Psykologisk Inst.
 - Sleep problems, exercise and obesity and risk of chronic musculoskeletal pain: The Norwegian HUNT study
 - A large conditioned pain modulation response is not related to a large blood pressure response: A study in healthy men
 - Co-morbidity in persistent opioid users with chronic non-malignant pain in Norway
 - Parental chronic pain in relation to chronic pain in their adult offspring: family-linkage within the HUNT Study, Norway
 - Self-report measurement of pain & symptoms in palliative care patients: a comparison of verbal, visual and hand scoring methods in Sub-Saharan Africa
 - Psychosocial factors and risk of chronic widespread pain: An 11-year follow-up study-The HUNT study
 - Chronic pain and use of opioids: A population-based pharmacoepidemiological study from the Norwegian Prescription Database and the Nord-Trøndelag Health Study
 - Prevalence and long-term predictors of persistent chronic widespread pain in the general population in an 11-year prospective study: the HUNT study
 - Occupational rehabilitation programs for musculoskeletal pain and common mental health disorders: study protocol of a randomized controlled trial
 - The characteristics of physical activity and gait in patients receiving radiotherapy in cancer induced bone pain
 - Immersion in water for pain relief and the risk of intrapartum transfer among low risk nulliparous women: secondary analysis of the Birthplace national prospective cohort study
 - Pain-related negative emotions and placebo analgesia
 - Substance use in children of parents with chronic pain - the HUNT study
 - Patients with chronic pain lack somatic markers during decision-making
 - A pilot study of nasal fentanyl for patient controlled treatment of cancer pain.

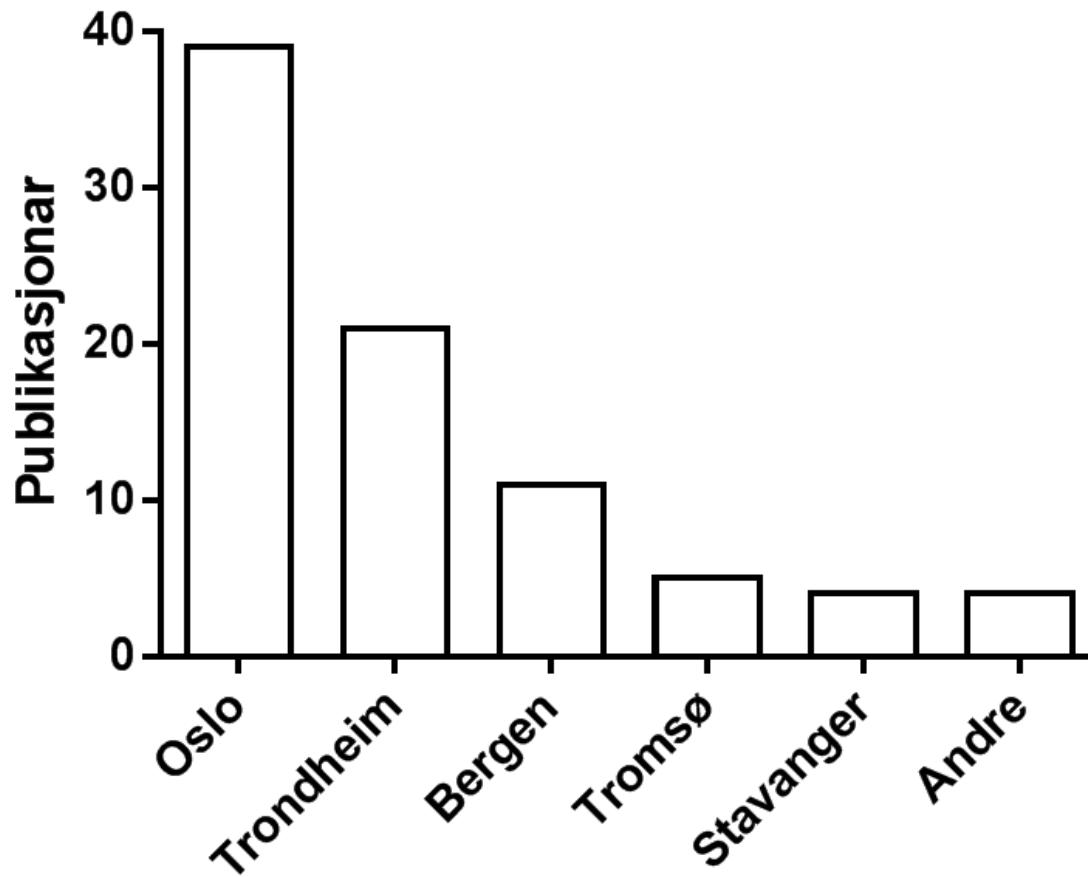
- OUS, Anestesi; Fysikalsk Med & Rehab; Nevrologi; Radiumhosp.; Akutt; Gynekologi
 - Effect of different episiotomy techniques on perineal pain and sexual activity 3 months after delivery
 - The Effect of Work-Focused Rehabilitation Among Patients With Neck and Back Pain A Randomized Controlled Trial
 - Chronic Pain in Breast Cancer Survivors: Comparison of Psychosocial, Surgical, and Medical Characteristics Between Survivors With and Without Pain
 - Current evidence on catastrophizing and fear avoidance beliefs in low back pain patients
 - Association between baseline IL-6 and 1-year recovery in lumbar radicular pain
 - The Interleukin-1 alpha Gene C > T Polymorphism rs1800587 is Associated With Increased Pain Intensity and Decreased Pressure Pain Thresholds in Patients With Lumbar Radicular Pain
 - Do Abnormal Serum Lipid Levels Increase the Risk of Chronic Low Back Pain? The Nord-Trondelag Health Study
 - INDIVIDUALIZED QUALITY OF LIFE IN PATIENTS WITH LOW BACK PAIN: RELIABILITY AND VALIDITY OF THE PATIENT GENERATED INDEX
 - The association between Modic changes and pain during 1-year follow-up in patients with lumbar radicular pain
 - Radiological findings correlate with neurological deficits but not with pain after operatively treated sacral fractures
 - The use of InstanylA (R) in the treatment of breakthrough pain in cancer patients: a 3-month observational, prospective, cohort study
 - Improving the systematic approach to pain and sedation management in the ICU by using assessment tools
 - Pelvic Pain and Patient Satisfaction After Laparoscopic Supracervical Hysterectomy: Prospective Trial
 - Radiostereometric analysis of movement in the sacroiliac joint during a single-leg stance in patients with long-lasting pelvic girdle pain
 - Does high blood pressure reduce the risk of chronic low back pain? The Nord-Trondelag Health Study
 - Pelvic joint fusion in patients with severe pelvic girdle pain - a prospective single-subject research design study
 - Opioids in the treatment of postoperative pain: old drugs with new options?
 - Development and Testing of a Computerized Pain Body Map in Patients With Advanced Cancer
 - A Randomized Clinical Trial of the Efficacy of a Self-care Intervention to Improve Cancer Pain Management

- Høgskolen i Vestfold og Buskerud
 - Stories of pain and health by elderly Pakistani women in Norway
- Sjukehuset Telemark
 - Efficacy of Methylprednisolone on Pain, Fatigue, and Appetite Loss in Patients With Advanced Cancer Using Opioids: A Randomized, Placebo-Controlled, Double-Blind Trial
- St. Olavs Hospital, Nasj Kompetansesenter Komplekse Symptom;
 - Risk Factors and Early Pharmacological Interventions to Prevent Chronic Postsurgical Pain Following Cardiac Surgery
 - A cross-sectional study on prevalence of pain and breakthrough pain among an unselected group of outpatients in a tertiary cancer clinic
 - A randomized, double-blind, double-dummy comparison of short- and long-acting dihydrocodeine in chronic non-malignant pain
 - Long- or short- acting opioids for chronic non- malignant pain? A qualitative systematic review
 - Cost-Effectiveness of Total Disc Replacement Versus Multidisciplinary Rehabilitation in Patients With Chronic Low Back Pain
- Høgskulen i Bergen, Fak. Helse- og samfunnsfag
 - Cancer-Related Pain and Symptoms Among Nursing Home Residents: A Systematic Review
- Vestre Viken
 - Pain and bleeding associated with trephine biopsy
- Folkehelseinstituttet
 - Role of IL1A rs1800587, IL1B rs1143627 and IL1RN rs2234677 Genotype Regarding Development of Chronic Lumbar Radicular Pain; a Prospective One-Year Study
 - Subjective health complaints in patients with lumbar radicular pain and disc herniation are associated with a sex-OPRM1 A118G polymorphism interaction: a prospective 1-year observational study
- Høgskolen i Østfold
 - Coexisting Irritable Bowel-Like Symptoms in Inflammatory Bowel Disease in Remission Is Associated With Impaired Social Functioning and Increased Bodily Pain

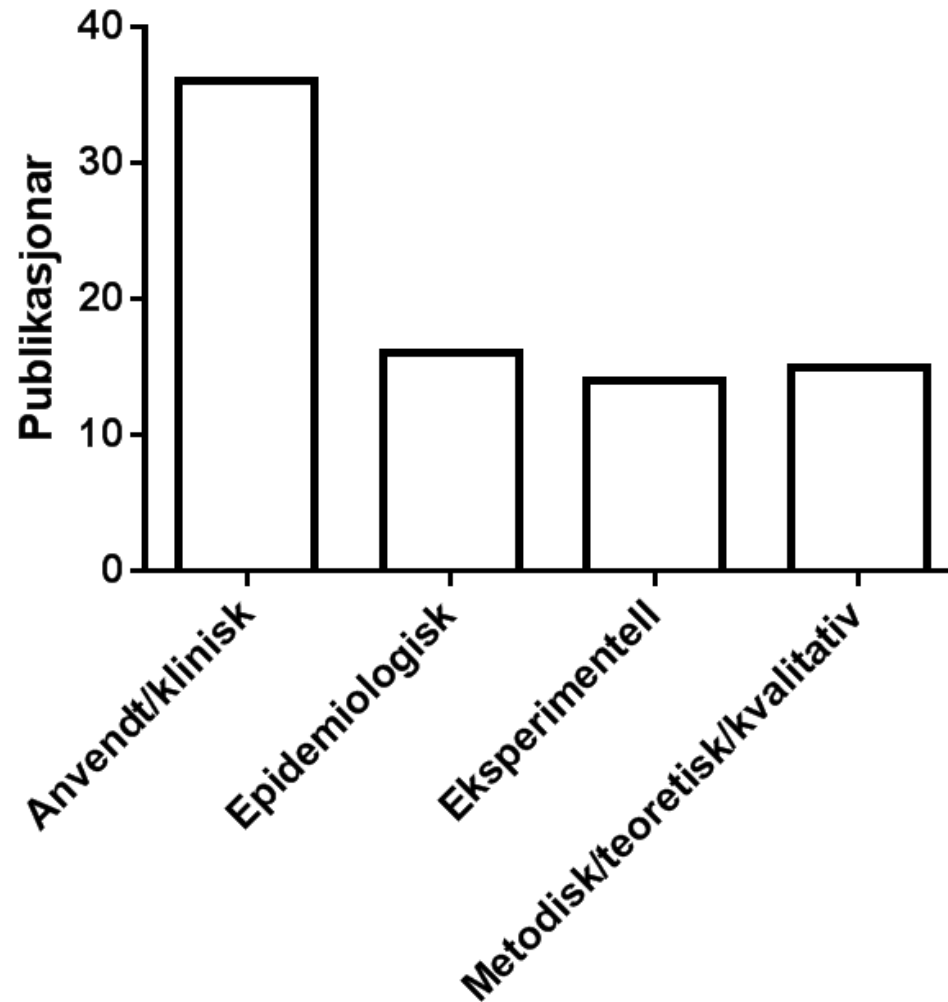
- Diakonhjemmet
 - Do weather changes influence pain levels in women with fibromyalgia, and can psychosocial variables moderate these influences?
 - No strong temporal relationship between obesity and multisite pain - results from a population-based 20-year follow-up study
- Stavanger Universitetssjukehus/UiS
 - Experiences with Spinal Cord Stimulator in Patients with Chronic Neuropathic Back Pain
 - The Experience of Loss in Patients Suffering from Chronic Pain Attending a Pain Management Group Based on Cognitive-Behavioral Therapy
 - A mixed-method study exploring suffering and alleviation in participants attending a chronic pain management programme
 - Therapeutic elements in a self-management approach: experiences from group participation among people suffering from chronic pain
- Sunnaas Sjukehus
 - Fatigue in Adults with Marfan Syndrome, Occurrence and Associations to Pain and Other Factors
- Norges miljø- og biovitenskapelige universitet
 - Behavioural Effects of the Commonly Used Fish Anaesthetic Tricaine Methanesulfonate (MS-222) on Zebrafish (*Danio rerio*) and Its Relevance for the Acetic Acid Pain Test
- Høgskolen i Oslo og Akershus
 - Pain and pressure pain thresholds in adolescents with chronic fatigue syndrome and healthy controls: a cross-sectional study

- Høgskolen i Sør-Trøndelag
 - Physical functioning after occupational rehabilitation and returning to work among employees with chronic musculoskeletal pain and comorbid depressive symptoms.
- Universitetssjukehuset i Nord-Noreg
 - Musculoskeletal pain in Arctic indigenous and non-indigenous adolescents, prevalence and associations with psychosocial factors: a population-based study
 - Persistent post-surgical pain and experimental pain sensitivity in the Tromsø study: Comorbid pain matters
 - Low back pain among mineworkers in relation to driving, cold environment and ergonomics
- UiT, Inst. Psykologi / Finnmarksfak.
 - The effect of transcranial direct current stimulation on experimentally induced heat pain
 - Struggling for a normal life: Work as an individual self-care management strategy among persons living with non-malignant chronic pain

Tal på publikasjoner sortert etter adresse reprint author



Tal på publikasjoner sortert etter tema



Tema

- Psykososiale forhold
 - Angst (1 ref, UiB)
 - Depresjon (2 ref, UiB)
 - Cognitive-behavioral (1 ref, UiS)
 - Emotion (1 ref, NTNU)
 - Attention (0 ref)
 - Psychological (1 ref, STAMI)
 - Psychosocial (6 ref)
- Konklusjon: lite psykologisk smerteforskning i Noreg

Finansiering

- Nye tildelingar Helseforetaka 2015. Prosjekt med «pain» eller «smerte» i tittel.
 - Helse Midt 8 mill.
 - Helse Vest 8 mill.
 - Helse Nord 4 mill.
 - Helse Sør-Øst 3 mill.

NFR

- FRIMEDBIO 2015: Ingen tildeling blant 69 innvilga prosjekt
- Ikkje kjennskap til at det er gitt løyving til smerteprosjekt i andre utlysingar

Extrastiftinga

- 2014: Tre pågåande prosjekt av ca. 110.
– 2.1 mill.

Finansieringskjelder

- Samarbeidsorganet Universitet – Helseforetak
 - Finansierer ein del smerteforsking
- Forskingsrådet
 - Relevante program?
 - FRIMEDBIO
 - Program for samarbeid med andre land

Finansieringskjelder

- EU
 - PES2020 middel for EU samarbeid (institusjonelt)
- NIH
 - Har mindre grants for skandinaviske forskarar i samarbeid med amerikanske

Artiklar om «future directions in pain research» siste ca 10 år

- Low back pain
- Neonatal
- Aging
- Genetic
- Sex differences
- Oral and maxillofacial
- PTSD
- Hyperalgesia
- Central pain syndrome

Mao, JR (2012) Current challenges in translational pain research.
Trends in Pharmacological Research

The current gap between basic science research and the development of new analgesics presents a serious challenge for the future of pain medicine. This challenge is particularly difficult in the search for better treatment for comorbid chronic pain conditions because: (i) animal 'pain' models do not simulate multidimensional clinical pain conditions; (ii) animal behavioral testing does not assess subjective pain experience; (iii) preclinical data provide little assurance regarding the direction of new analgesic development; and (iv) clinical trials routinely use over-sanitized study populations and fail to capture the multidisciplinary consequences of comorbid chronic pain. Therefore, a paradigm shift in translational pain research is necessary to transform the current strategy from focusing on molecular switches of nociception to studying pain as a system-based integral response that includes psychosocial comorbidities.

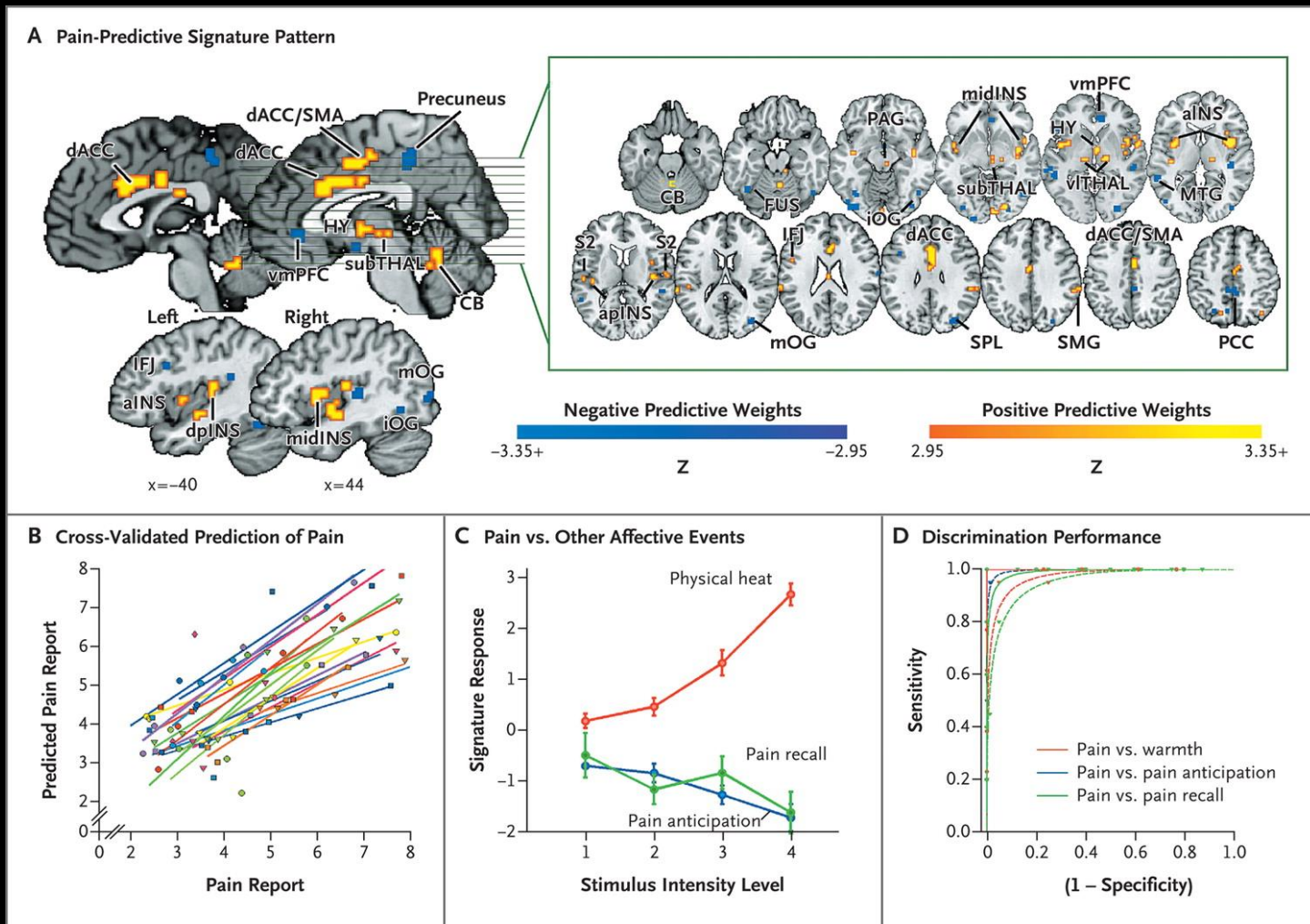
Tema

- Psykososiale forhold
 - Anxiety
 - Depression
 - Treatment studies
 - Emotion
 - Attention

Tema

- Biomarkører for smerte
 - Hjerneavbildningsteknikkar
 - Magnetresonansstomografi
 - Positronemisjonstomografi

Prediction of Physical Pain on the Basis of Normative Data from Other Participants in Study 1.



Wager TD et al. *N Engl J Med* 2013;368:1388-1397.



The NEW ENGLAND
JOURNAL of MEDICINE

Tema

- Registrering av perifere fysiologiske reaksjonar (HR, EKG) til smerte ved mobiltelefon
 - Registrerast i daglige liv til deltakar
 - Tidsmerka
 - Sendast direkte til Excel-fil

 - Kan kombinere eksperimentelle design med høg ekstern validitet

Norsk psykologisk smerteforskning

- Kva er vegen vidare?
 - Samle kreftene, lage forskingsgrupper
 - Søke forskingsmiddel
 - Etablere kontakter nasjonalt og internasjonalt
 - Påvirke programplanar i NFR eller Helseforetak
 - Kan NOSF bidra?