Yearly Report 2020

PharmaSafe

PharmacoEpidemiology and Drug Safety Research group (PharmaSafe)
Section for Pharmaceutics and Social Pharmacy
Department of Pharmacy
Faculty of Mathematics and Natural Sciences
University of Oslo

In PharmaSafe, our priority research areas are:

Pharmacoepidemiology, E-health, Health registry-based research

Social and clinical pharmacy

Key numbers 2020:

- 34 international publications
- 13 posters
- 6 oral presentations/external lectures
- > 50 media coverages
- 4 visits from international guest lecturers
- 7 research grants awarded > 10 million NOK in total

Key numbers 2019: 31 international publications, 10 national scientific publications/guidelines, 20 posters, 18 international presentations, 15 national presentations/external lectures, 39 media coverages, 4 visits from international guest lecturers, 6 PhD defense committees as international member.

Key numbers 2018: 32 international publications, 11 national publications, 25 posters, 17 international presentations, 23 national presentations/external lectures, 22 media coverages, 7 visits from international guest lecturers.

Key numbers 2017: 39 international publications, 11 national publications, 30 posters, 44 oral presentations/external lectures, 13 media coverages, 6 visits from international guest lecturers

PharmaSafe

International publications

1. A systematic review of the use of simulated patient methodology in pharmacy practice research from 2006 to 2016. **Björnsdottir I**, **Granas AG**, Bradley A, Norris P. Int J Pharm Pract. 2020 February; 28; (1):13-25. Epub. PMID: 31397533.

2. Severe and fatal medication errors in hospitals: findings from the Norwegian Incident Reporting System. **Mulac A**, Taxis K, Hagesaether E, **Granas AG**. European Journal of Hospital Pharmacy. Published Online First: 2020 June 23.

3. Use and Intentional Avoidance of Prescribed Medications in Pregnancy: A Cross-Sectional, Web-Based Study among 926 Women in Italy. **Lupattelli A,** Picinardi M, Cantarutti A**, Nordeng H.** Int J Environ Res Public Health. 17(11):E3830. PMID: 32481641.

4. Response to: Modelling Paternal Exposure as a Negative Control. **Wood ME**, Cohen JM, **Ystrom E, Nordeng HME**, Hernandez-Diaz S. Int J Epidemiol. 2020 April. 24:dyaa055. Epub ahead of print. PMID: 32330933.

5. The cure model in perinatal epidemiology. Stoltenberg EA, **Nordeng HM, Ystrom E,** Samuelsen SO. Stat Methods Med Res. 2020 February. 11:962280220904092. Epub ahead of print. PMID: 32041516.

6. Differences in medication beliefs between pregnant women using medication, or not, for chronic diseases: a cross-sectional, multinational, web-based study. Roldan Munoz S, **Lupattelli A,** de Vries ST, Mol PGM, **Nordeng H**. BMJ Open. 10(2):e034529. PMID: 32029496; PMCID: PMC7044950.

7. Prenatal paracetamol exposure and neurodevelopmental outcomes in preschool-aged children. **Trønnes JN**, **Wood M**, **Lupattelli A**, **Ystrom E**, **Nordeng H**. Paediatr Perinat Epidemiol. 34(3):247-256. Epub 2019 Aug 25. PMID: 31448449.

8. Rheumatoid Arthritis Patients, Both Newly Diagnosed and Methotrexate Treated, Show More DNA Methylation Differences in $CD4^+$ Memory Than in $CD4^+$ Naïve T Cells. Guderud K, Sunde LH, Flåm ST, Mæhlen MT, Mjaavatten MD, Lillegraven S, Aga AB, Evenrød IM, Norli ES, Andreassen BK, Franzenburg S, Franke A, Haavardsholm EA, Rayner S, **Gervin K**, Lie BA. Front Immunol. 11:194. PMID: 32117312; PMCID: PMC7033478.

9. Extending balance assessment for the generalized propensity score under multiple imputation. **Frank ASJ**, Matteson DS, Solvang HK, **Lupattelli A**, **Nordeng H**. Epidemiol. Methods 2020; 20190003. https://doi.org/10.1515/em-2019-0003

10. Association of coincident self-reported mental health problems and alcohol intake with all-cause and cardiovascular disease mortality: A Norwegian pooled population analysis. Degerud EMM, Høiseth G, Mørland JG, Ariansen I, Graff-Iversen S, **Ystrøm E**, Zuccolo L, Næss Ø. PLoS Medicine 2020; Volum 17.(2) s. 1-21.

11. Diagnostic tests and treatment procedures performed prior to cardiovascular death in individuals with severe mental illness. Heiberg IH, Nesvåg R, Balteskard L, Bramness JG, Hultman CM, Næss Ø, Reichborn-Kjennerud T, **Ystrøm E**, Jacobsen BK, Høye A. Acta Psychiatrica Scandinavica. 2020; Volum 141. s. 439-451.

12. Maternal Drinking and Child Emotional and Behavior Problems. Lund IO, Eilertsen EM, Gjerde LC, Torvik FA, Røysamb E, Reichborn-Kjennerud T, **Ystrøm E**. Pediatrics. 2020; Volum 145.(3) s. –

13. Mechanisms linking parental educational attainment with child ADHD, depression, and academic problems: a study of extended families in The Norwegian Mother, Father and Child Cohort Study. Torvik FA, Eilertsen EM, McAdams TA, Gustavson K, Zachrisson HD, Brandlistuen RE, Gjerde LC, Havdahl A, Stoltenberg C, Ask H, **Ystrøm E**. Journal of Child Psychology and Psychiatry and Allied Disciplines. 2020 s. -

14. Neonatal thyroid-stimulating hormone and association with attention-deficit/hyperactivity disorder. Villanger GD, **Ystrøm E**, Engel SM, Longnecker MP, Pettersen RD, Rowe AD, Reichborn-Kjennerud T, Aase H. Paediatric and Perinatal Epidemiology. 2020; FHI, OUS, UiO.

15. Preterm birth and risk for language delays before school entry: A sibling-control study. Zambrana IM, Vollrath MEMT, Jacobsson B, Sengpiel V, **Ystrøm E**. Development and Psychopathology. 2020.

16. The effect of prenatal exposure to benzodiazepines and z-hypnotics on pregnancy length, birth weight and other perinatal outcomes. A prospective study with data from the Norwegian Mother, Father and Child Cohort and the Norwegian Medical Birth Registry. **Huitfeldt A**, **Sundbakk LM**, Skurtveit S, Handal M, **Nordeng H.** JAMA Open. 22 June online.

17. Thyroid hormone replacement therapy patterns in pregnant women and perinatal outcomes in the offspring. **Frank AS, Lupattelli A,** Meltzer HM, Matteson DS, **Nordeng H**. Pharmacoepidemiology and Drug Safety. 2020**;** 29(1): 111-121.

18. Emerging Issues and Questions on Peripartum Depression Prevention, Diagnosis and Treatment: A Consensus Report From the Cost Action riseup-PPD. Fonseca A, Ganho-Ávila A, Lambregtse-van den Berg M, **Lupattelli A**, Rodriguez-Muñoz MF, Ferreira P, Radoš SN, Bina R. Journal of Affective Disorders. 2020; 274:167-173.

19. Modeling exposures of medications used episodically during pregnancy: triptans as a motivating example. **Harris GME**, **Wood M, Nordeng H**. Pharmacoepidemiol Drug Saf.

20. Empowering pregnant women through use of decision support tools: a systematic review. **Ngo E, Truong MBT, Nordeng H**. J Medical Internet Research. J Med Internet Res. 2020; 22(9):e19436.

21. Fertility treatment and oral contraceptive discontinuation for identification of pregnancy planning in routinely collected health data - an application to analgesic and antibiotic utilisation. **Hjorth S**, **Wood M**, **Tauqeer F, Nordeng H.** BMC Pregnancy and Childbirth. 2020; 20:731.

22. Medication-related problems among hospitalized pregnant women in a tertiary teaching hospital in Ethiopia: A prospective observational study. Ahmed SM, Sundby J, Aragaw YA, **Nordeng H.** BMC Pregnancy & Child Birth. 2020; Volume 20, Article number: 737.

23. The effect of a pharmacist consultation on pregnant women's quality of life with a special focus on nausea and vomiting in pregnancy – an intervention study. **Truong MBT**, **Ngo E**, Ariansen H, Tsuyuki RT, **Nordeng H**. BMC Pregnancy and Childbirth. 2020; 20;766.

24. Sleep problems and depressive symptoms in toddlers and 8-year-old children: A longitudinal study. Sivertsen B, Harvey AG, Reichborn-Kjennerud T, **Ystrom E,** Hysing M. Journal of sleep research. 2020.

25. High levels of the openness trait are associated with better parental reflective functioning in mothers with substance use disorders. Øie MG, Aarnes IE, Eilertsen LH, Söderström K, **Ystrom E,** Håkansson U. Addictive Behaviors Reports. 2020; 12:100318.

26. How important are parents in the development of child anxiety and depression? A genomic analysi of parent-offspring trios in the Norwegian Mother Father, and Child Cohort Study (MoBa). Cheesman R, Eilertsen EM, Ahmadzadeh YI, Gjerde LC, Hannigan LJ, Havdahl A, Young AI, Eley TC, Njølstad PR, Magnus P, Andreassen OA, **Ystrom E**, McAdams TA.

27. Maternal and paternal effects on offspring internalizing problems: Results from genetic and family-based analyses. Eshim J, Eilertsen EM, Hammerschlag AR, Qiao Z, Evans DM, **Ystrøm E**, Bartels M, Middeldorp CM. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics. 2020; Volum 183.(5) s.258-267.

28. Potentially inappropriate prescribing to older patients receiving multidose drug dispensing. **Josendal AV**, Bergmo TS, **Granas AG**. BMC Geriatr. 2020; 20, 272. https://doi.org/10.1186/s12877-020-01665-x

29. Association between antidepressant treatment during pregnancy and postpartum self-harm ideation: a cross-sectional, multinational study using the Edinburgh Postnatal Depression Scale. Vallee J, Wong Y, Mannino E, **Nordeng H**, **Lupattelli A**. Int. J. Environ. Res. Public Health. 2021; 18(1), 46; https://doi.org/10.3390/ijerph18010046. www.mdpi.com/1660-4601/18/1/46/htm

30. Thyroid hormone replacement therapy in pregnancy and motor function, communication skills, and behavior of preschool children: The Norwegian Mother, Father, and Child Cohort Study. van den Broek S, **Lupattelli A**, Frank AS, Haug LS, **Nordeng H**. Pharmacoepidemiol Drug Saf. 2020; 1–11. https://doi.org/10.1002/pds.5184

Accepted or in press

1. ConcePTION: A comprehensive review on non-clinical methods to study transfer of medication into breast milk - A contribution from the ConcePTION project. Nauwelaerts N, Deferm N, Smits A, Bernardini C, Lammens B, Gandia P, Panchaud A, **Nordeng H**, Baccid ML, Fornid M, Ventrell D, Van Calsteren K, DeLise A, Huys I, Bouisset-Leonard M, Allegaert K, Pieter Annaert. P. Biomedicine & Pharmacotherapy. *In Press.*

2. Direct and indirect effects of maternal, paternal, and offspring genotypes: Trio-GCTA. Eilertsen EM, Jami ES, McAdams T, Hannigan L, Havdahl A, Magnus P, Evans D, **Ystrom E.** Behavior Genetics. 2020; Accepted for publication.

Preprint hos medRxiv

1. Anti-thyroid drug use during the first trimester of pregnancy and the risk of birth defects in offspring: systematic review and meta-analysis of observational studies with methodological considerations. Morales DR, Fonkwen L, **Nordeng H**. https://medrxiv.org/cgi/content/short/2020.06.10.20127233v1

2. Mediation analysis in sibling designs: an application to the effect of prenatal antidepressant exposure on toddler depression mediated by gestational age at birth. **Wood ME**, Eilertsen EM, **Ystrom E**, **Nordeng H,** Hernandez-Diaz S. MS https://medrxiv.org/content/10.1101/2020.06.11.20128496v1

International posters

1. In utero opioid exposure and risk of ADHD in childhood: A Scandinavian registry study. Handal M, Skurtveit S, Lund IO, Odsbu I, **Nordeng H**, **Lupattelli A**, Kieler H, Buket Ö, Nørgaard M, Reichborn-Kjennerud T, **Wood M**, Hernandez-Diaz S, Mahic M. EuroDURG conference, Hungary 2020.

2. How to identify pregnancy planning in routinely collected health data? **Hjorth S, Wood M, Tauqeer F, Nordeng H**. ISPE. 2020 September 16 (digital conference).

3. Maternal Use Of Antidepressant Medication In Pregnancy And Risk Of Gestational Diabetes Mellitus. **Lupattelli A**, Barone-Adesi F, **Nordeng H**. ISPE. 2020 September 16 (digital conference).

4. Gestational Weight Gain Following Use Of Antidepressant Medication In Pregnancy: Results From The Norwegian Mother And Child Cohort Study. **Lupattelli A**, Barone-Adesi F, **Nordeng H**. ISPE. 2020 September 16 (digital conference).

5. Association Between Antidepressant Treatment During Pregnancy And Postnatal Self-Harm Ideation: A Cross-Sectional, Multinational Study Using The Edinburgh Postnatal Depression Scale. Vallee J, Wong Y, Mannino E, **Lupattelli A.** ISPE. 2020 September 16 (digital conference).

6. Unmeasured confounding by maternal personality traits on the association between prenatal medication exposures and child developmental outcomes. **Lupattelli A**, Vamsæter K, **Ystrøm E**, **Nordeng H**. ISPE. 2020 September 16 (digital conference).

7. Emerging Issues and Questions on Peripartum Depression Prevention, Diagnosis and Treatment: A Consensus Report From the Cost Action riseup-PPD. Fonseca A, Ganho-Ávila A, Lambregtse-van den Berg M, **Lupattelli A**, Rodriguez-Muñoz MF, Ferreira P, Radoš SN, Bina R. The International Marcé Society for Perinatal Mental Health. 2020 5-7 October (digital conference).

8. Risk of gestational diabetes mellitus after use of antidepressant medication in pregnancy: results from the Norwegian Mother and Child Cohort Study. **Lupattelli A**, Barone-Adesi F, **Nordeng H**. Reprod Toxicol. 2020 October; 97:5. PMID: 33353709.

9. Prenatal antidepressant use and maternal weight gain in pregnancy: results from the Norwegian Mother and Child Cohort Study. **Lupattelli A**, Barone-Adesi F, **Nordeng H**. Reprod Toxicol. 2020 October; 97:4.

10. Antiemetic prescription fills during pregnancy: a drug utilization study among 762,437 pregnancies in Norway. Van Gelder MMHJ, **Nordeng HME**. ISPE. 2020 September 16 (digital conference).

11. Perinatal use of triptans and other drugs - a nationwide drug utilization study. **Tauqeer F**, **Wood M**, **Hjorth S**, **Lupattelli A**, **Nordeng H**. ISPE. 2020 September 16 (digital conference).

12. Development and testing of a digital observational tool to monitor Bar Code Medication Administration. **Mulac A**, Kristiansen R, Nielsen SM, Andersson Y, Eikeland SR, Taxis K, Hagesæther E, **Granas AG**. ISPE. 2020 September 16 (digital conference).

13. Medication Calculation Errors With Moderate, Severe And Fatal Patient Outcomes: Findings From The Norwegian Incident Reporting System. Mulac A, Taxis K, Hagesæther E, **Granas AG**. ISPE. 2020 September 16 (digital conference).

International oral presentations

1. ConcePTION, **Nordeng, H**. OTIS conference. 2020 July 8 (digital conference).

2. Prenatal exposure to NSAIDs and risk of ADHD: a follow-up study in the Norwegian Mother, Father, and Child Cohort. **Sarah Hjorth**. ISPE. 2020 September 16 (digital conference).

3. Lessons on Nordic data sharing learned from: Risk of childhood cancers after prenatal exposure to medications – a Nordic registry-based study. **Sarah Hjorth**. DSFE yearly meeting. 2020 October 26 (digital conference).

Text books

The Nordic Federation of Societies of Obstetrics and Gynecology (NFOG) online textbook for medical students. Obstetrics: Chapter on Medication Use during Pregnancy and Lactation. Malm H, Nörby U, Pedersen LH, **Nordeng H**. 2020 August 29 (Published online).
www.sundhed.dk/sundhedsfaglig/opslag-og-vaerktoejer/laereboeger/obstetrics-gynecology/obstetrics/medication-use-during-pregnancy-and-lactation/

National oral presentations

1. Forskningsformidling. **Nordeng H**. UiO. 2020 January 7. Forskningsseminar, Institutt for lærerutdanning og skoleforskning (ILS).

2. Legemidler og graviditet, Grunnkurs i obstetrikk. **Nordeng H**. 2020 January 13. Kurs i regi av Den norske legeforening (DNLF).

3. MinSafeStart: App mot svangerskapskvalme. **MBT Truong**. UiO. 2020 March 5. Åpen dag.

4. Alvorlig og fatale feilmedisineringer på sykehus. **Mulac A**. Webinarserie i samarbeid mellom Farmasøytisk institutt, Sykehusapotekene HF, Sykehusapoteket Kalnes og Nasjonalt senter for e-helseforskning. Webinarer - Ehealthresearch.no (NO)

5. Fra telefaks til elektronisk forskrivning av multidose - hvordan påvirkes denne overgangen av uoverensstemmelser i legemiddellistene? **Jøsendal AW**. 2020 December 13. Webinarserie i samarbeid mellom Farmasøytisk institutt, Sykehusapotekene HF, Sykehusapoteket Kalnes og Nasjonalt senter for e-helseforskning. Webinarer - Ehealthresearch.no (NO)

National report

Kartlegging av samarbeidsformer mellom legetjenesten i kommunen og farmasøyter. Advisor: **Granås AG**. Utarbeidet for Helsedirektoratet by Oslo Economics.

PhD-assessment

AG Granås: Kristian Ringsby Odberg. A Human Factors approach to medication administration in nursing homes. University of Stavanger. 2020 May 26.

Grants awarded where FAI receives funding

NFR urgency call - EU-COVID-19: 4,97 MILL NOK. FAI role: **Nordeng H**, PI. Participants: **Lupattelli A**.

EMA: ACCESS – vACcine Covid-19 monitoring ReadinESS. FAI role: Partner. Participants: **Nordeng H**.

EIT Health, a body of European Union. MOOC course on patient perspective on medicines use. FAI role: Partner. Participants: **Granås AG**. Understanding Patient Perspectives on Medications | Coursera

EMA: CONSIGN. Funder: EMA. Role WP1 Responsible: **Nordeng H**. Participants: **Nordeng H**, **Lupattelli A**.

Nordforsk: Nordic COHERENCE. Role WP3 Responsible: **Nordeng H**. Participants: **Nordeng H**, **Lupattelli A**.

Nordic Cancer Union: Nordic Medications in Pregnancy and Childhood Cancer Study (NorMed-PreCCS). Role: **Nordeng** H, PI. Participants: **Hjorth S**.

COST: European Cooperation in Science and Technology. CA19132 - European Network to Advance Best practices & technoLogy on medication adherencE. Participant: **Granås AG**.

Grants for educational activities

MatNat study quality funding for the development of programmes, courses and teaching: Development of digital teaching material for master course FARM5220: (medication errors with use of metotrexate, MS drugs in pregnancy using WHO VigiBase ICSR data).

CCSE – Center for Computing in Science Education: Integration of data analysis and computation into teaching activities at the Department of Pharmacy, course FARM5220, 4 students summer 2019.

Other grants with PharmaSafe members

Wellcome Trust Senior Research Fellowship: The Intergenerational Transmission of Mental Health Problems: Identifying Causal Pathways and How to Interrupt Them. McAdam T, PI. Collaborators: Ystrøm E, Nordeng H.

Guest researchers

1. **Marleen Van Gelder**, Assistant Professor in Epidemiology / scientific coordinator of the Pregnancy and Infant DEvelopment (PRIDE) Study, Radboud University, Nijmegen, **The Netherlands**, March 2020. Antiemetic drug utilization in pregnancy.

2. **Julia do Amaral**, Departamento de Genética – UFRGS, Porto Alegre, **Brazil**, March 2020. Genetic vulnerability to teratogens.

3. **Nhung Trinh**, researcher, Pierre Louis Doctoral School of Public health, epidemiology and biomedical information sciences, University of Paris, **France**. August – October 202: Utilisation of antibiotics in Pregnancy – (interrupted) time-series analysis.

4. **Justine Bénéven**t, assistant Professor, Perinatal and reproductive pharmaco epidemiologi, Toulouse University Hospital, **France**. September 2020 –September 2021: Risk of childhood cancer after prenatal exposure to thyroid therapy – a Nordic registry based study.

UiO:LifeScience summer student projects

1. Medication Information Sources and needs among women and HCP" Report. IMI ConcePTION project, master in nutrition Kristin Strenger Rosnes.

2. Patient-centered approaches to aid women's decision-making on antidepressant use in the perinatal period. Psychology student Ludvig Daae Bjørndal.

Media

En pille for mye
Vi over 60 | Anne Gerd Granås

Psykisk sykdom og medisinbruk i svangerskapet
Babyverden.no | Hedvig Nordeng

– Noen går til legen og føler seg snytt dersom de går ut igjen uten en resept
Anne Gerd Granås | vi.no

Farmasi og skuespill i apoteklaben
Anne Gerd Granås | Farmatid

Hedvig Nordeng får 4,97 millioner til koronaprosjekt
Hedvig Nordeng | Farmatid

– Betryggende funn om gravide og sovemedisin
Dagens Medisin | Hedvig Nordeng

På to år døde 27 pasienter etter feilmedisinering på sykehus (abo)
BT mener: Kontrollen med legemidler på norske sykehus er for dårlig (abo)
Bergens Tidende | Alma Mulac

I løpet av to år døde 27 pasienter og 177 ble alvorlig skadet på sykehus på grunn av legemiddelfeil
Sykepleien | Alma Mulac

Babyer og eldre oftest feilmedisinert (Aftenposten)
Babyar og eldre oftast feilmedisinerte (Sunnmøringen)
Babyer og eldre oftest feilmedisinert (ABCNyheter)
Babyer og eldre oftest feilmedisinert (HealthTalk)
NTB / Nynorsk pressekontor (med uriktig overskrift) | Alma Mulac
Papirutgåvene av Fremover, Tønsbergs Blad, Tvedestrandsposten, Trønder-Avisa

Personlighetstrekket bak psykiske lidelser
Dagbladet Pluss | Eivind Ystrøm

Slår alarm om regnefeil ved norske sykehus
P4 | Alma Mulac

Sykepleier klargjorde ti ganger for høy dose – annen sykepleier avverget at den ble gitt
Sykepleien | Alma Mulac

Savner farmasøytkontroll på sjukehus
Apotekforeningen | Alma Mulac

Studie avdekker når feilmedisinering oppstår på norske sjukehus (abcnyheter)
Studie avdekkjer når feilmedisinering oppstår på norske sjukehus (Sunnmøringen)
Studie avdekker når feilmedisinering oppstår på norske sykehus (Oppland Arbeiderblad via Retriever)

Studie avdekker når feilmedisinering oppstår på norske sykehus (Farmasiforbundet)
NTB / Nynorsk pressekontor | Alma Mulac

Barn utsatt for feilmedisinering
NRK radio | Anne Gerd Granås

Derfor er barn mest sårbare for feilmedisinering
nrk.no | Anne Gerd Granås

Misvisende om utdanningsulikhet
Aftenposten | Eivind Ystrøm

Mer forskning på digitalt legemiddelområde
Nasjonalt senter for e-helseforskning | Anne Gerd Granås

Stor interesse for farmasiutdanning ved Universitetet i Oslo
Maria Bich-Thuy Truong | Apotekforeningen

Kvinner med svangerskapskvalme får hjelp av app
Maria Bich-Thuy Truong | Apotekforeningen

– Behov for mer kunnskap om legemidler i tjenestene
NAKU | Anne Gerd Granås

Opplevde anafylaktisk reaksjon i apotek: - Vi var forberedt!
Apotekforeningen | Vedrana Rosic og Anne Røv-Johnsen

Forskarane ser ikkje heile biletet når bitar i puslespelet manglar
Titan | Angela Lupattelli og Hedvig Nordeng

Helseforskarar manglar data, men oppdagar det ikkje
forskning.no | Angela Lupattelli og Hedvig Nordeng

Psykisk utviklingshemma fekk betre medisinering gjennom tverrfagleg samarbeid
Titan | Anne Gerd Granås

Psykisk utviklingshemma fekk betre medisinering etter rydding
Anne Gerd Granås | forskning.no

Tilsette i apotek vert studerte av ukjende kundar
Ingunn Björnsdottir | Titan

Tilsette i apotek vert studerte av «spionkundar»
Ingunn Björnsdottir | forskning.no

Norske kvinner leverer mest morsmjølk i verda. No skal donormjølka bli enda sikrare
Hedvig Nordeng | forskning.no

High standards for human milk banks in Norway
ScienceNorway | Hedvig Nordeng

Det som er riktig for pasientane i ein forskingsstudie, stemmer ikkje nødvendigvis for alle
Anders Huitfeldt | forskning.no

Hedvig Nordeng og Nils Chr. Stenseth blant forskere som får koronastøtte
Hedvig Nordeng | Titan

Fleire for tidlege fødslar hjå gravide som tok angst- og sovemedisin
Titan | Hedvig Nordeng

Fleire for tidlege fødslar hjå gravide som tok angst- og sovemedisin
forskning.no | Hedvig Nordeng

Felles europeisk satsing mot svangerskapsdepresjon
Titan | Angela Lupattelli

Felles europeisk forskingssatsing mot svangerskapsdepresjon
forskning.no | Angela Lupattelli

Liv kan bli redda med betre legemiddelhandtering i sjukehus
Titan | Alma Mulac

Feilmedisinering skjer fleire gongar om dagen ved norske sjukehus
forskning.no | Alma Mulac

Studie avdekker når feilmedisinering oppstår på norske sykehus
forskning.no | Alma Mulac

Multidose gjer det mogleg med betre samarbeid om medisinar
Titan | Anette Vik Jøsendal

Piller i porsjonsposar løyser ikkje alle problem med feilmedisinering
forskning.no | Anette Vik Jøsendal

Verktøy for gravide gjev betre hjelp med desse tre grepa
Titan | Elin Ngo

– Negative funn er òg nyttige
Titan | Sarah Hjorth Andersen

UiO

– Jeg vil at studentene mine skal bli kunnskapsrike og dedikerte fagfolk
UiOs rekrutteringskampanje | Hedvig Nordeng

Gravide skal bli tryggare i legemiddelbruken sin
FAI | Mollie Wood (notis på forskning.no)

Hedvig Nordeng får 4,97 millionar til COVID-19-prosjekt
Hedvig Nordeng | FAI

Revidert Veileder for fødselshjelp med bidrag fra FAI
FAI | Hedvig Nordeng

Masterstudentar utviklar læringsressurs for masterstudentar
FAI | Pari Faraj og Linda Tran (Angela Lupattelli)

Hedvig Nordeng får Nordforsk-støtte til nytt Covid-19-prosjekt
FAI | Hedvig Nordeng

Photo: UiO / Anders Lien

UiO : University of Oslo

PharmaSafe members in 2020

Name	Position
Alma Mulac	PhD
Anette Vik Jøsendal	PhD
Angela Lupattelli	Researcher
Anne Gerd Granås	Professor
Anne Gyri Gløersen	Lecturer
Anne Røv-Johnsen	Lecturer (20%)
Bich Thuy Ha Truong	PhD
Christian Page	Post doc (PharmaTox, MI)
Eirin Guldsten Robinson	PhD
Eivind Ystrøm	Researcher(10% August 2020)/Guest researcher
Elin Ngo	PhD
Emilie Willoch Olstad	PhD
Fatima Tauqeer	PhD
Gerd Marie Eskerud Harris	PhD
Hassina Hassan	Lecturer (20%)
Hedvig Marie Egeland Nordeng	Professor
Helle Wallach Kildemoes	Researcher
Hilde Samdal	Lecturer (20%)
Ingunn Björnsdottir	Associate Professor
Johanne Naper Trønnes	PhD
Jorun Evandt	Short term
Justine Benevent	Visiting scientist
Kristina Gervin	Post doc (june 2020)/Guest researcher
Laila Torstveit	Administration (20%)
Lene Maria Sundbakk	PhD
Mollie Wood	Guest researcher
Nhung Trinh	Post doc
Robert Lyle	Researcher (5% August 2020)
Sarah Hiorth Andersen	PhD
Socheat Cheng	Post doc
Vedrana Rosic	Lecturer (20%)
Yuanyuan Wang	Short term

PharmaSafe

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PHOTO: For accreditation of photos see PharmaTox website. Illustration photos: Colourbox.no
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