



Vegard Lysne

CLINICAL DIETITIAN, PhD

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Professional summary

I'm a clinical dietitian, currently working as a postdoctoral researcher at Haukeland University Hospital. My main professional interests are methods in nutritional epidemiology and statistics, including programming in the R language and data reporting and visualization. I'm a Review Editor in Frontiers in Nutrition, and an editorial board member in the Norwegian Journal of Nutrition. In 2019 I led the organizing committee for the annual conference of the Norwegian Association of Clinical Dietitians.

Education

PhD

DEPARTMENT OF CLINICAL SCIENCE, UNIVERSITY OF BERGEN

2015-2019

- Thesis title: Biomarkers of one-carbon metabolism and B-vitamin status - Targeted metabolomics in rats and humans exploring the effects of PPAR alpha-activation and dietary composition

MSc, Clinical Nutrition

UNIVERSITY OF BERGEN, FACULTY OF MEDICINE

2012-2014

- Thesis title: Treatment with a Peroxisome Proliferator-Activated Receptor agonist influences one-carbon metabolism and markers of B-vitamin status in rats

BSc, Human Nutrition

UNIVERSITY OF BERGEN, FACULTY OF MEDICINE

2009-2012

Work experience

Postdoctoral researcher

DEPARTMENT OF HEART DISEASE, HAUKELAND UNIVERSITY HOSPITAL, BERGEN, NORWAY

2020-

Researcher

DEPARTMENT OF CLINICAL SCIENCE, UNIVERSITY OF BERGEN, BERGEN, NORWAY

2019

PhD candidate

DEPARTMENT OF CLINICAL SCIENCE, UNIVERSITY OF BERGEN, BERGEN, NORWAY

2015-2019

Research assistant

DEPARTMENT OF HEART DISEASE, HAUKELAND UNIVERSITY HOSPITAL, BERGEN, NORWAY

2014-2015

Courses attended

- 2019 Building Tidy Tools, RStudio::conf workshop
- 2018 Data Science in the Tidyverse, RStudio::conf workshop
- 2017 Competing Risks, Introduction to Flexible Parametric Survival Analysis and Cancer Screening, EPINOR annual meeting
- 2017 New statistical methods for causal inference, University of Oslo
- 2017 Logistic regression, survival analysis and Cox-regression, University of Oslo
- 2017 The Art of Scientific Investigation, EPINOR summer school
- 2017 University pedagogy for PhD candidates, University of Bergen
- 2017 Epidemiology - beyond the basics, University of Oslo
- 2016 6th International course in Nutritional Epidemiology, Imperial College, London
- 2016 Experimental Design and Statistical Analysis, FRAME training school
- 2016 Basic course in Medical and Health Related Research, University of Bergen

1. Haugsgjerd TR, Egeland GM, Nygård OK, Igland J, Sulo G, **Lysne V**, Vinknes KJ, Bjornevik K, Tell GS. Intake of carbohydrates and SFA and risk of CHD in middle-age adults: the Hordaland Health Study (HUSK). *Public Health Nutr* 2020 PMID: 32907659
2. Saeed S, Smith J, Grigoryan K, **Lysne V**, Rajani R, Chambers JB. The tricuspid annular plane systolic excursion to systolic pulmonary artery pressure index: Association with all-cause mortality in patients with moderate or severe tricuspid regurgitation. *Int J Cardiol* 2020 PMID: 32512064
3. Haugsgjerd TR, Egeland GM, Nygård OK, Vinknes KJ, Sulo G, **Lysne V**, Igland J and Tell GS. Association of Dietary Vitamin K and Risk of Coronary Heart Disease in Middle-Age Adults: The Hordaland Health Study Cohort. *BMJ Open*, 2020 PMID: 32444431
4. Svenningsson MM, Svingen GFT, **Lysne V**, Ueland PM, Tell GS, Pedersen ER, Dhar I, Nilsen DW and Nygård O. Transsulfuration metabolites and the association with incident atrial fibrillation - An observational cohort study among Norwegian patients with stable angina pectoris. *Int J Cardiol*, 2020. PMID: 32389762
5. Dhar I, Siddique S, Pedersen ER, Svingen GFT, **Lysne V**, Olsen T, Nilsen DW, Nordrehaug JE, Midttun Ø, Ueland PM, Tell GS and Nygård O. Lipid parameters and vitamin A modify cardiovascular risk prediction by plasma neopterin. *Heart*, 2020. PMID: 32398245
6. **Lysne V**, Bjørndal B, Grinna ML, Midttun Ø, Ueland PM, Berge RK, Dierkes J, Nygård O and Strand E. Short-term treatment with a peroxisome proliferator-activated receptor α agonist influences plasma one-carbon metabolites and B-vitamin status in rats. *PLoS One*, 2019. PMID: 31805132
7. Parys AV, **Lysne V**, Svingen GFT, Ueland PM, Dhar I, Øyen J, Dierkes J and Nygård O. Dietary choline is related to increased risk of acute myocardial infarction in patients with stable angina pectoris. *Biochimie*, 2019. PMID: 31707100
8. Olsen T, Vinknes KJ, Blomhoff R, **Lysne V**, Midttun Ø, Dhar I, Ueland PM, Svingen GFT, Pedersen ER, Drevon CA, Refsum H, Nygård O. Creatinine, total cysteine and uric acid are associated with serum retinol in patients with cardiovascular disease. *Eur J Nutr*, 2019. PMID: 31502058
9. Strand E, **Lysne V**, Grinna ML, Bohov P, Svardal A, Nygård O, Berge RK, Bjørndal B. Short-Term Activation of Peroxisome Proliferator-Activated Receptors α and γ Induces Tissue-Specific Effects on Lipid Metabolism and Fatty Acid Composition in Male Wistar Rats. *PPAR res*, 2019. PMID: 31308847
10. Ulven SM, Christensen JJ, Nygård O, Svardal A, Leder L, Ottestad I, **Lysne V**, Laupsa-Borge J, Ueland PM, Midttun Ø, Meyer K, McCann A, Andersen LF, Holven KB. Using metabolic profiling and gene expression analyses to explore molecular effects of replacing saturated fat with polyunsaturated fat-a randomized controlled dietary intervention study. *Am J Clin Nutr*, 2019. PMID: 31051508
11. Dhar I, **Lysne V**, Svingen GFT, Ueland PM, Gregory JF, Bønaa KH, Nygård OK. Elevated plasma cystathionine is associated with increased risk of mortality among patients with suspected or established coronary heart disease. *Am J Clin Nutr*, 2019. PMID: 31005968
12. Puaschitz NG, Assmus J, Strand E, Karlsson T, Vinknes KJ, **Lysne V**, Drevon CA, Tell GS, Dierkes J, Nygård O. Adherence to the Healthy Nordic Food Index and the incidence of acute myocardial infarction and mortality among patients with stable angina pectoris. *J Hum Nutr Diet*, 2019. PMID: 30091209
13. Dhar I, Svingen GFT, Ueland PM, **Lysne V**, Svenningsson MM, Tell GS, Nygård OK. Plasma Cystathionine and Risk of Incident Stroke in Patients With Suspected Stable Angina Pectoris. *J Am Heart Assoc*, 2018. PMID: 30371177
14. Bjørndal B, Bruheim I, **Lysne V**, Ramsvik MS, Ueland PM, Nordrehaug JE, Nygård OK, Berge RK. Plasma choline, homocysteine and vitamin status in healthy adults supplemented with krill oil: a pilot study. *Scand J Clin Lab Invest*, 2018. PMID: 30261756
15. Dhar I, **Lysne V**, Seifert R, Svingen GFT, Ueland PM, Nygård OK. Plasma methionine and risk of acute myocardial infarction: Effect modification by established risk factors. *Atherosclerosis*, 2018. PMID: 29621698
16. Strauss P, Marti HP, Beisland C, Scherer A, **Lysne V**, Leh S, Flatberg A, Koch E, Beisvag V, Landolt L, Skogstrand T, Eikrem ØS. Expanding the Utilization of Formalin-Fixed, Paraffin-Embedded Archives: Feasibility of miR-Seq for Disease Exploration and Biomarker Development from Biopsies with Clear Cell Renal Cell Carcinoma. *Int J Mol Sci*, 2018. PMID: 29534467
17. Strand E, Rebord EW, Flygel MR, **Lysne V**, Svingen GFT, Tell GS, Løland KH, Berge RK, Svardal A, Nygård O, Pedersen ER. Serum Carnitine Metabolites and Incident Type 2 Diabetes Mellitus in Patients With Suspected Stable Angina Pectoris. *J Clin Endocrinol Metab*, 2018. PMID: 29325058
18. DeRatt BN, Ralat MA, **Lysne V**, Tayyari F, Dhar I, Edison AS, Garrett TJ, Midttun Ø, Ueland PM, Nygård OK, Gregory JF 3rd. Metabolomic Evaluation of the Consequences of Plasma Cystathionine Elevation in Adults with Stable Angina Pectoris. *J Nutr*, 2017. PMID: 28794210

19. Hannibal L, **Lysne V**, Bjørke-Monsen AL, Behringer S, Grünert SC, Spiekerkoetter U, Jacobsen DW, Blom HJ. Biomarkers and Algorithms for the Diagnosis of Vitamin B12 Deficiency. *Front Mol Biosci*, 2016. PMID: 27446930
20. **Lysne V**, Strand E, Svingen GF, Bjørndal B, Pedersen ER, Midttun Ø, Olsen T, Ueland PM, Berge RK, Nygård O. Peroxisome Proliferator-Activated Receptor Activation is Associated with Altered Plasma One-Carbon Metabolites and B-Vitamin Status in Rats. *Nutrients*, 2016. PMID: 26742069
21. **Lysne V**, Bjørndal B, Vik R, Nordrehaug JE, Skorve J, Nygård O, Berge RK. A Protein Extract from Chicken Reduces Plasma Homocysteine in Rats. *Nutrients*, 2015. PMID: 26053618
22. Øyen J, Svingen GF, Gjesdal CG, Tell GS, Ueland PM, **Lysne V**, Apalset EM, Meyer K, Vollset SE, Nygård OK. Plasma dimethylglycine, nicotine exposure and risk of low bone mineral density and hip fracture: the Hordaland Health Study. *Osteoporos Int*, 2015. PMID: 25616506

Other publications

1. Matre ÅO, Dierkes J, **Lysne V**. Ernæringsforskning er ikke som annen forskning. *Norsk Tidsskrift for Ernæring*, 2020(2)
2. Myklebust-Hansen T, **Lysne V**. FENS 2019: Malnutrition in an obese world - European perspective. *Norsk Tidsskrift for Ernæring*, 2019(4)
3. Matre ÅO, **Lysne V**. B12-tilskudd uten B12-mangel. *Norsk Tidsskrift for Ernæring*, 2019(3).
4. **Lysne V**. 12. Internasjonale konferanse om enkarbonmetabolisme, B-vitaminer og homocystein. *Norsk Tidsskrift for Ernæring*, 2019(3).
5. **Lysne V**, Marienborg I, Olsen T. FASEB-konferanse om folat, vitamin B12 og enkarbonmetabolisme. *Norsk Tidsskrift for Ernæring*, 2018(3).
6. **Lysne V**, Olsen T. Feilkilder i ernæringsepidemiologi. *Norsk Tidsskrift for Ernæring*, 2018(2).
7. **Lysne V**. Glimt fra den 11. internasjonale konferansen om homocystein og enkarbonmetabolisme i Århus. *Norsk tidsskrift for Ernæring*, 2017(3).
8. **Lysne V**, Olsen T. Konfidensintervaller – hva kan de fortelle deg? *Norsk Tidsskrift for Ernæring*, 2017(1)
9. **Lysne V**, Olsen T. P-verdier. Veiledende eller villedende? En simulert studie. *Norsk Tidsskrift for Ernæring*, 2016(4).
10. Christensen JJ, **Lysne V**. Støtter lørdagsgodt. *Den Norske Tannlegeforenings Tidende*, 2016(5).
11. Olsen T, **Lysne V**. Ta faget tilbake. *Norsk Tidsskrift for Ernæring*, 2015(3).
12. Kverneland M, Christensen JJ, **Lysne V**. Lavkarbodietter har kommet for å bli, men hører hjemme i klinikken. *Norsk Tidsskrift for Ernæring*, 2015(2).

Conference attendance

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| 2020 | Sunn Idrett, Oslo, Norway | Oral presentation |
| 2019 | The European Nutrition Conference (FENS), Dublin, Ireland | Poster presentation |
| 2019 | 12th International Conference on homocysteine and one-carbon metabolism, Tarragona, Spain | Poster presentation |
| 2019 | RStudio::conf2019, Austin, TX, USA | |
| 2019 | The conference of the Norwegian Association of Clinical Dietitians (KEFF), Bergen, Norway | |
| 2018 | FASEB Science research conference: Folic Acid, Vitamin B12 and One Carbon Metabolism, Halifax, Nova Scotia, Canada | Poster presentation |
| 2018 | RStudio::conf, San Diego, CA, USA | |
| 2018 | The conference of the Norwegian Association of Clinical Dietitians (KEFF), Kristiansand, Norway | |
| 2017 | 11th International Conference on homocysteine and one-carbon metabolism, Aarhus, Denmark | Poster presentation |
| 2017 | Norwegian Society for Epidemiology conference, Tromsø, Norway | |
| 2017 | The conference of the Norwegian Association of Clinical Dietitians (KEFF), Oslo, Norway | Oral presentation |
| 2016 | Nordic Nutrition Conference, Gotenburg, Sweden | |
| 2016 | FASEB Science research conference: Folic Acid, Vitamin B12 and One Carbon Metabolism, Steamboat Springs, CO, USA | Oral presentation |
| 2015 | 10th International Conference on homocysteine and one-carbon metabolism, Nancy, France | Oral presentation |
| 2015 | The conference of the Norwegian Association of Clinical Dietitians (KEFF), Oslo, Norway | |
| 2014 | FASEB Science research conference: Folic Acid, Vitamin B12 and One Carbon Metabolism, Steamboat Springs, CO, USA | Poster presentation |
| 2014 | Nordic Congress for Dietitians, Bergen, Norway | |
| 2013 | 9th International Conference on homocysteine and one-carbon metabolism, Dublin, Ireland | Poster presentation |
| 2013 | The conference of the Norwegian Association of Clinical Dietitians (KEFF), Oslo, Norway | |
| 2012 | The conference of the Norwegian Association of Clinical Dietitians (KEFF), Oslo, Norway | |

Teaching experience

I have taught at every semester of the bachelor and masters program in clinical nutrition at University of Bergen. I've held lectures on topics such as methods in nutrition research, nutritional biochemistry, food science, micronutrient metabolism, genetic disorders in nutrient metabolism and general nutrition in health and disease.

PhD candidate supervision

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| 2020- | Anthea Van Parys | Main supervisor |
| 2020- | Åslaug O Matre | Main Supervisor |

Student supervision

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| 2020 | Åslaug O Matre | MSc thesis |
| 2020 | Rosemarie Aaby and Ann Helen Børseth | BSc theses |
| 2018 | Ingvild Marienborg | MSc thesis |
| 2018 | Åslaug O Matre and Henriette Holm | BSc theses |
| 2017 | Jostein Sæle, Marcela Palma and Kristine S. Samuelsen | MSc theses |
| 2016 | Turid Bjørnsen Iversen | BSc thesis |
| 2015 | Jostein Sæle, Helene Dahl, Caroline K Jacobsen and Silje S Vabø | BSc theses |

Thesis committees

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| 2020 | Maren T Aase and Andrea H Kalås | MSc theses |
| 2020 | Elise Frederich | BSc thesis |
| 2018 | Eirin S Gjerde and Emilie H Markhus | BSc theses |
| 2017 | Trine Larsen, Helene Søiland and Miriam H Brandt | MSc theses |
| 2017 | Amalie Moxness, Maria-Anna F Holmefjord and Benedicte Wirkola | BSc theses |
| 2016 | Tonje N Hustoft and Anita E Smette | MSc theses |
| 2016 | Synnøve Næss, Ingrid Revheim, Charlotte Z Tøssebro and Renate D Laumann | BSc theses |
| 2015 | Anette Hetlevik and Maria B Songve | BSc theses |

Organizations and committees

- 2020- Review Editor, Frontiers in Nutrition
- 2019 Leader of the Organizing committee of the annual conference of The Norwegian Association of Dietitians
- 2018- Member of the editorial board, Norwegian Journal of Nutrition (NTFE)
- 2015-2018 Member of the academic policy board, The Norwegian Association of Dietitians affiliated with The Norwegian Association of Researchers

Skills and languages

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| R/Rstudio: Statistical programming, data handling and visualization | <i>Experienced</i> |
| SPSS: Statistical software | <i>Experienced</i> |
| STATA: Statistical software | <i>Basic knowledge</i> |
| Microsoft Office: Word, Excel, Powerpoint, Outlook | <i>Experienced</i> |
| Inkscape: Vector graphics | <i>Intermediate</i> |
| Git/GitHub: Version control | <i>Basic</i> |
| Norwegian, Written and oral | <i>First language</i> |
| English, Written and oral | <i>Fluent</i> |

References

On request