

## PERSONAL INFORMATION

**Anette Solli Karlsen**

## WORK EXPERIENCE

September 2001–August 2003

**Laboratory assistant**

University of Oslo (Norway)

Laboratory activities; Quality control, clinical-chemical analysis

February 2008–September 2011

**Post doctor position**

University of Oslo (Norway)

Project management (planning and collaborating) in clinical intervention studies.

October 2011–September 2013

**Researcher**

University of Oslo (Norway)

Project management (planning and collaborating) in clinical intervention studies.

October 2013–January 2017

**Advisor**

Regional committee for medical and health research ethics (Norway)

Management of portefolio for REC South-East A

Assessor of ethical issues in Medical end Health Research

January 2017–Present

**Senior advisor**

Norwegian Medicines Agency (NoMA) (Norway)

Clinical trial assessor

## EDUCATION AND TRAINING

August 1995–December 1999

**Bachelor/Cand Mag**

University of Oslo (Norway)

Organic chemistry

January 2000–May 2001

**Master/Cand Scient**

University of Oslo (Norway)

Organic chemistry analysis

August 2003–February 2008

**Ph D**

University of Oslo (Norway)

Clinical intervention trial, nutrition science and molecular biology

## ADDITIONAL INFORMATION

**Expertise**

Clinical trial assessor

Paediatric SA

**Publications**

1. P. Molander, A. Thomassen, L. Kristoffersen, T. Greibrokk, E. Lundanes: "Simultaneous determination of citalopram, fluoxetine, paroxetine and thier metabolites in plasma by temperature-programmed packed capillary liquid chromatography with on-column focusing of large injection

- volumes", *Journal of Chromatography B*, 2002, Vol 766, nr. 1, p. 77-87
2. P. Molander, A. Thomassen, G. Fladseth, E. Lundanes, S. Thorud, Y. Thomassen, T. Greibrokk : "Determination of 1-(2-methoxyphenyl) piperazine derivatives of airborne diisocyanates by temperature-programmed packed capillary liquid chromatography with pre-column large volume enrichment", *Journal of Separation Science*, 2002, Vol 24, nr. 12, p. 947-954
  3. Karlsen, A, Alexander, G, Blomhoff, R, Gundersen, TE: "Capillary High-Performance Liquid Chromatographic determination of lutein and zeaxanthin from a single mouse eye", *Journal of Chromatography B*, 2003, Vol 795 (1), p. 17-23
  4. Brevik A, Frost Andersen L, Karlsen A, Blomhoff R, Drevon C. "Six carotenoids in plasma used to assess recommended intake of fruits and vegetables in a controlled feeding study", *European Journal of Clinical Nutrition*, 2004, p. 1-8
  5. Karlsen A, Blomhoff R, Gundersen TE. "High-throughput analysis of vitamin C in human plasma with the use of HPLC with monolithic column and UV-detection". *J Chromatogr B Analyt Technol Biomed Life Sci*. 2005, 824(1-2):132-8.
  6. Karlsen A, Blomhoff R, Gundersen TE. "Stability of whole blood and plasma ascorbic acid", *European Journal of Clinical Nutrition*, 2007, 61(10):1233-6
  7. Anette Karlsen, Lars Retterstøl, Petter Laake, Ingvild Paur, Siv Kjølrsrud-Bøhn, Leiv Sandvik, Rune Blomhoff. "Anthocyanins inhibit nuclear factor-kappaB activation in monocytes and reduce plasma concentrations of pro-inflammatory mediators in healthy adults", *Journal of Nutrition*, 2007, 137(8):1951-4.
  8. Karlsen Anette, Retterstøl Lars, Laake Petter, Kjølrsrud-Bøhn Siv, Sandvik Leiv, Blomhoff Rune. "Effects of a daily intake of one glass of red wine on biomarkers of antioxidant status, oxidative stress and inflammation in healthy adults" e-SPEN, the European e-Journal of Clinical Nutrition and Metabolism, 2007, 2, e127–e133
  9. Kristin BRAEKKE, MD, Nina K. HARSEM MD, Anette KARLSEN Cand Sc, Rune BLOMHOFF, MSc, PhD, Per M. UELAND, MD, PhD, Anne C. STAFF, MD, PhD. "Homocysteine, cysteine, and related metabolites in maternal and fetal plasma in preeclampsia." *Pediatric Research*, 2007, 62(3):319-24
  10. Wolfgang Lilleby, Anette Karlsen, Kristin S. Grønli, Sigbjørn Smeland, Rune Blomhoff. "Tomater og prostatakreft" *Norsk Tidsskrift for Ernæring*, invited review, May 2007.
  11. Amrit K Sakhi, Kjell M Russness, Magne Thoresen, Anette Karlsen, Sigbjørn Smeland, Rune Blomhoff. "Pre-radiotherapy plasma carotenoids and markers of oxidative stress are associated with survival in head and neck squamous cell carcinoma patients: a prospective study", *BioMed Central*, 2009, Vol 9, p. 458
  12. Helena Andersson, Anette Karlsen, Truls Raastad, Fawzi Kadhi, Rune Blomhoff "Plasma antioxidant responses and oxidative stress following a soccer game in elite female players" *Scandinavian Journal of Medicine and Science in Sports*, 2010, Vol 20, 600-608
  13. Andersson H, Karlsen A, Blomhoff R, Raastad T, Kadi F "Active recovery training does not affect the antioxidant response to soccer games in elite female players", *British Journal of Nutrition*, 2010 Vol 104, p. 1492
  14. Amrit Kaur Sakhi, Siv K Bøhn, Sigbjørn Smeland, Magne Thoresen, Guro B Smedshaug, Johan Tausjø, Arne Svilaas, Anette Karlsen, Kjell M Russness, Tone Svilaas, Rune Blomhoff. "Post-radiotherapy plasma lutein, a-carotene and b-carotene are positively associated with survival in patients with head and neck squamous cell carcinoma", *Nutrition and Cancer*, 2010, Volume 62, p. 322-328
  15. Anette Karlsen, Ingvild Paur, Amrit K Sakhi, Siv K Bøhn, Grethe I Borge, Mauro Serafini, Iris Erlund, Petter Laake, Serena Tonstad, Rune Blomhoff. "Supplementation with anthocyanin-rich bilberry juice decrease inflammatory modulators in adults with cardiovascular risk factors in a parallel-designed clinical study". *European Journal of Nutrition*, 2010, Volume 49, p. 345.
  16. Anette Karlsen "Helseeffekter av antioksidanter". *Bioingeniøren*, invitert oversiktsartikkel, 2010, Vol 4 (April)
  17. Siv K Bøhn, Mari C Myhrstad, Magne Thoresen, Marit Holden, Anette Karlsen, Siv Haugen Tunheim, Iris Erlund, Mette Svendsen, Ingebjørg Seljeflot, Jan Ø Moskaug, Asim K Duttaroy, Petter Laake, Harald Arnesen, Serena Tonstad, Andrew Collins, Christian A Drevon, Rune Blomhoff "Blood cell gene expression associated with cellular stress defense is modulated by antioxidant-rich food in a randomised controlled clinical trial of male smokers" *BMC Medicine*, 2010, Vol 8, p. 54
  18. Monica H Carlsen, Inger TL Lillegaard, Anette Karlsen, Rune Blomhoff, Christian A Drevon, Lene F Andersen "Evaluation of energy and dietary intake estimates from a food frequency questionnaire using independent energy expenditure measurement and weighed food records" *BioMed Central*,

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19. Carlsen MH, Karlsen A, Lillegaard ITL, Gran JM, Drevon CA, Blomhoff R, Andersen LF "Relative validity of fruit and vegetable intake estimated from a food frequency questionnaire, using carotenoid and flavonoid biomarkers and the method of triads" *British Journal of Nutrition*, *British Journal of Nutrition*, Vol 10, p. 1530

20. Asgeir Brevik, Anette Karlsen, Amaia Azqueta, AE Tirado, Rune Blomhoff, Andrew Collins "Both base excision repair and nucleotide excision repair in humans are influenced by nutritional factors" *Cell Biochemistry and Function*, 2011, Vol 29, p.36-42.

21. Asgeir Brevik, Isabel Gaivao, Tirill Medin, Aud Jorgensen, Anita Piasek, Johanna Eliasson, Anette Karlsen, Rune Blomhoff, Turid Veggan, Asim K Duttaroy, Andrew R Collins "Supplementation of a western diet with golden kiwifruits (*Actinidia chinensis* var.'Hort 16A:') effects on biomarkers of oxidation damage and antioxidant protection" *Nutrition Journal*, 2011, Vol 10, p. 54

22. Anette Karlsen, Mette Svendsen, Ingebjørg Seljeflot, Asgeir Brevik, Iris Erlund, Mauro Serafini, Siv F Remberg, Grethe I Borge, Lars O Dragsted, Assim Duttaroy, Karin Haffner, Petter Laake, Christian A Drevon, Harald Amesen, Serena Tonstad, Rune Blomhoff

"Compliance and safety of two antioxidant-rich diets; A randomized, controlled trial in male smokers" *British journal of Nutrition*, 2011, Vol 106, p. 557

23. Joseph Sexton, Rune Blomhoff, Anette Karlsen, Petter Laake "Adaptive combination of dependent tests", *Computational Statistics & Data Analysis*, 2012, Vol 56, p. 1935

24. Bastani NE, Kostovski E, Sakhi AK, Karlsen A, Carlsen MH, Hjeltnes N, Blomhoff R, Iversen PO "Reduced antioxidant defence and increased oxidative stress in spinal cord injured patients", 2012, *Arch Phys Med Rehabil*, 2012, Vol. 93, p. 2223

25. Frode Norheim, Ingrid M.F. Gjelstad, Marit Hjorth, Kathrine Vinknes, Torgrim Langleite, Torgeir Holen, Jørgen Jensen, Knut Tomas Dalen, Anette Karlsen, Anders Kielland, Arild Rustan, Christian A. Drevon "Nutriomics – the modern way of performing nutritional science", *Nutrients*, 2012, Vol. 4, p.1898.

26. Anette Karlsen, Mette Svendsen, Ingebjørg Seljeflot, Petter Laake, Asim K. Duttaroy, Christian A. Drevon, Harald Amesen, Serena Tonstad, Rune Blomhoff "Kiwifruit decreases blood pressure and whole blood platelet aggregation in male smokers" *Journal of Human Hypertension*, 2013, Vol. 27, p.126-30

27. Olga W. Souverein, Jeanne H.M. de Vries, Riitta Freese, Bernhard Watzl, Achim Bub, Edgar R. Miller, Jacqueline J.M. Castenmiller, Wilrike J. Pasman, Karin van het Hof, Mridula Chopra, Anette Karlsen, Lars O. Dragsted, Renate Winkels, Catherine Itsiopoulos, Laima Brazionis, Kerin O'Dea, Carolien A. van Loo-Bouwman, Ton HJ Naber, Hilko van der Voet, Hendriek C. Boshuizen "Prediction of fruit and vegetable intake from biomarkers using individual participant data of diet-controlled intervention studies", *British journal of Nutrition*, Accepted for publication

28. Carlos Celis-Morales, Katherine M Livingstone, Cyril F M Marsaux, Anna L Macready, Rosalind Fallaize, Clare B O'Donovan, Clara Woolhead, Hannah Forster, Marianne C Walsh, Santiago Navas-Carretero, Rodrigo San-Cristobal, Lydia Tsirigoti, Christina P. Lambrinou, Christina Mavroggianni, George Moschonis, Silvia Kolossa, Jacqueline Hallmann, Anette Karlsen, Magdalena Godlewska, Agnieszka Surwiłło, Iwona Traczyk, Christian A Drevon, Jildau Bouwman, Ben van Ommen, Keith Grimaldi, Laurence D Parnell, J N S Matthews, Yannis Manios, Hannelore Daniel, J Alfredo Martinez, Julie A Lovegrove, Eileen R Gibney, Lorraine Brennan, Wim H M Saris, Mike Gibney, John C Mathers, "Validation of internet-based self-reported anthropometric, demographic data and participant identity in the Food4Me study", *International Journal of Obesity*, submitted manuscript

29. Keith A. Grimaldi, Larry Parnell, Carlos Celis, Eileen Gibney, Lorraine Brennan, Sue Fairweather-Tait, Lars Vershuren, Elisa Cirillo, Brenda de Kok, Cyril F.M. Marsaux, Iwona Traczyk, Julie Lovegrove, Ingrid M. Gjelstad, Silvia Kolossa, Roz Fallaize, Santiago Navas-Carretero, Wim H. M. Saris, Fermin Yoldi, Anette Karlsen, Anna MacReady, Ulrich Hoeller, Igor Bendik, Clare O'Donovan, Clara Woolhead, Henk van Kranen, Hannah Foster, Helen Roche, Michael Fenech, Ahmed El-Sohehy, Alfredo Martinez, Lynne Ferguson, Jose Ordovas, Mike Gibney, Hannelore Daniel, John C. Mathers, Ben Van Ommen, Jildau

Bouwman "Nutrigenetics and personal nutrition: A scientific framework to assess evidence and evaluate validity & utility of personalised dietary advice", *Genes and Nutrition*, submitted manuscript

30. Ingvild Paur, Wolfgang Lilleby, Siv Kjølrsrud Bøhn, Erik Hulander, Willibrord Klein, Ljiljana Vlatkovic, Karol Axcrona, Nils Bolstad, Trine Bjørø, Petter Laake, Kristin A. Taskén, Aud Svindland, Lars Magne Eri, Bjørn Brennhovd, Sophie D. Fosså, Sigbjørn S. Smeland, Anette Karlsen, and Rune Blomhoff "Tomato-based randomized controlled trial in prostate cancer patients: Effect on PSA.", *Clin Nutr*. 2017 Jun;36(3):672-679.

Projects

Memberships

Other Relevant Information