Curriculum Vitae

Last name, First name: Berit Brunstad Granum **Gender**: Female

Nationality: Norwegian

Overall Scientific Expertise:

- Involved in research projects on immunotoxic effects of environmental chemicals on health outcomes such as asthma, allergy-related diseases and immunosuppression
- Responsible for the National Register on Adverse Effects from Cosmetic Products in Norway
- Hazard and risk assessment of food additives, flavouring, processing aids and cosmetics for the Norwegian Scientific Committee for Food Safety, and hazard assessment of chemicals for the Climate and Pollution Agency

Professional Experience

Years employed from – to	**Title of position**	**Employer – name and location**	**Areas of professional specialisation**
2011 – present	Senior Scientist	Norwegian Institute of Public Health	Toxicology (immunotoxicity), hazard and risk assessment, effects of xenobiotics on asthma and allergic diseases.
2005-2011	Scientist	Norwegian Institute of Public Health	Toxicology (immunotoxicity), hazard and risk assessment, effects of xenobiotics on asthma and allergic diseases.
2005-2011	Postdoctoral fellow	Norwegian Institute of Public Health	Effects of xenobiotics on asthma and allergic diseases
1993-1996	Scientific assistant/researcher	AXIS Biochemicals ASA	Development and production of an analysis based on ion exchange chromatography and turbidimetric detection

Educational Background

Year	**Degree awarded**	**Educational Institution – name and location**	**Areas of educational specialisation**
1996-2000	PhD	University of Oslo/Norwegian Institute of Public Health, Oslo, Norway	Allergology, immunotoxicology
1987-1993	M Sc	University of Trondheim, Trondheim, Norway	Eco-physiology with specialisation in immunology

Memberships in Scientific Advisory Bodies/Committees/Panels:

2014 – present
Norwegian Scientific Committee for Food Safety. Member of the Panel on food additives, flavourings, processing aids, materials in contact with food and cosmetics

2012 – present
Member of the steering board of PreventADALL (Preventing Atopic Dermatitis and ALLergy in children): an interventional birth cohort study, with information from the mother and baby from early pregnancy and onward for at least 10 years set out to test primary preventive strategies with long-term outcomes of allergic diseases.

2012 – 2013
Member of the Norwegian Scientific Committee for Food Safety's working group on "Exposure to aluminium through food and the use of cosmetic products in the Norwegian population"

2010 – 2014
Norwegian Scientific Committee for Food Safety. Member of the Panel on food additives, flavourings, processing aids, materials in contact with food and cosmetics

2012
Member of the Norwegian Scientific Committee for Food Safety's working group on "Risk assessment of vitamin A (retinol and retinyl esters) in cosmetics"

2010 – 2011
Member of WHO's working group on "Towards Environmental Health Inequality Reports: Development and Piloting of a National Assessment Tool"

2010
External expert for European Food Safety Authority (EFSA), Food contact materials, enzymes, flavourings and processing aids (CEF). Working group on bisphenol A

2010
Member of the working group on "Children's Environment and Health". Statistics Norway and Ministry of Health and Care Services

2009 – present
Member of the group coordinating the "National Strategy for Prevention and Treatment of Asthma and Allergic diseases 2008-2012". Directorate of Health, Norway.

2008 – 2009
External expert for Norwegian Scientific Committee for Food Safety, ad hoc group on Sensitisation Caused by Exposure to Cosmetic Products

Memberships in Learned Societies:

The Society of Toxicology

List of Publications:

Total number of peer-reviewed articles: 39 (3 review papers)
Total number of reports and risk assessments: 22

Seven most representative publications

Pennings JL, Jennen DG, Nygaard UC, Namork E, Haug LS, van Loveren H, Granum B. Cord blood gene expression supports that prenatal exposure to perfluoroalkyl substances causes depressed immune functionality in early childhood. J Immunotoxicol. 2016; 13:173-180.

Granum B, Haug LS, Namork E, Stølevik SB, Thomsen C, Aaberge IS, van Loveren H, Løvik M, Nygaard UC. Pre-natal exposure to perfluoroalkyl substances may be associated with altered

vaccine antibody levels and immune-related health outcomes in early childhood. *J Immunotoxicol* 2013;10:373-379.

Norwegian Scientific Committee for Food Safety, Panel on Food Additives, Flavourings, Processing Aids, Materials in Contact with Food and Cosmetics and Panel of Contaminants. Scientific Opinion on Risk assessment of the exposure to aluminium through food and the use of cosmetic products in the Norwegian population. 2013. ISBN 978-82-8259-088-4.

Thyssen JP, Søsted H, Uter W, Schnuch A, Giménez-Arnau AM, Vigan M, Rustemeyer T, Granum B, McFadden J, White JM, White IR, Goossens A, Menné T, Lidén C, Johansen JD. Self-testing for contact sensitization to hair dyes - scientific considerations and clinical concerns of an industry-led screening programme. *Contact Dermatitis* 2012;66:300-311.

Stølevik SB, Nygaard UC, Namork E, Haugen M, Meltzer HM, Alexander J, Knutsen HK, Aaberge I, Vainio K, van Loveren H, Løvik M, Granum B. Prenatal exposure to polychlorinated biphenyls and dioxins from the maternal diet may be associated with immunosuppressive effects that persist into early childhood. *Food Chem Toxicol* 2012;51C:165-172.

Carlsen KCL, Håland G, Devulapalli CS, Munthe-Kaas M, Pettersen M, Granum B, Løvik M, Carlsen K-H. Asthma in every fifth child in Oslo, Norway: a 10-year follow-up of a birth cohort study. Allergy 2006;61:454-460.

Granum B, Løvik M. Review: The effect of particles on allergic immune responses. *Tox Sci* 2002;65:7-17.