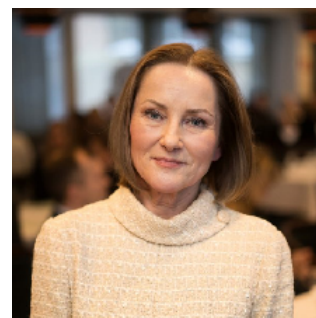


Curriculum vitae

Erika ISOLAURI (née Kreula), MD, Dr. Med. Sci.

ORCID identifier: 0000-0002-1635-8002
Date of birth: February 18, 1955
Place of birth: Pori, Finland
Citizenship: Finland
Marital status: Married to Docent Jouko Isolauri, MD, PhD.
Child: Maria Aleksandra, MSc
Residence: Niemimäentie 77, 01900 Nurmijärvi, Finland
Language skills: Finnish, Swedish, German, French, English
URL for web site: <https://www.utu.fi/fi/ihmiset/erika-isolauri>



CURRENT POSITION

Senior Scientist, Professor, University of Turku, Finland

Professor of Paediatrics; University of Turku, Finland (2005-2023)

Chief Physician; Department of Paediatrics at Turku University Hospital, Finland.

Head of the Department of Clinical Medicine, Faculty of Medicine, University of Turku, 2014- 2022

MAJOR RESEARCH INTERESTS

Gastroenterology: gut microbiota; Nutrition: probiotics, obesity; Immunology: food allergy
Leader of the research programme **Neonatal exposures, Adverse outcomes, Mucosal immunology and Intestinal microbiota (NAMI)**

SCIENTIFIC PUBLICATIONS

H-index 99 (May 2023)

463 Scientific articles: 285 Original publications; 112 Review articles/ Chapters in books; 66 Scientific articles in Finnish; 187 Invited Lectures in International Academic Meetings

ACADEMIC HONOURS

University of Tampere 1986 (the Doctoral Thesis); *John Harris price* 1989 (European Society for Paediatric Gastroenterology and Nutrition); *Niilo Hallman price* 1992 (Foundation for Paediatric Research); *Institut Candia* 1993 (France); *Development of clinical diagnostics of food allergy* 1995 (Tampere University Hospital); *Marvin L. Dixon Memorial Lecture* 1998 (Harvard Combined Program in Pediatric GI&Nutrition Unit, Children's Hospital, Massachusetts General Hospital, USA); *International Award for Modern Nutrition* 2000 (Swiss Central Nutrition Association); *Martin Rosenhead Lecture and Award* 2000 (The Foundation of Allergy Research, Royal Society of Medicine, London, United Kingdom); *Nanna Svartz Lecture* 2001 (Karolinska Hospital, Stockholm, Sweden); *Tissier Price and Lecture* 2002 (The Japan Bifidus Foundation); *The IDF Elie Metchnikoff Prize* 2010 category Nutrition and Health (The International Dairy Federation, IDF, Institut Pasteur Paris and The International Scientific Association for Probiotics and Prebiotics, ISAPP); *Matti Äyräpää Award* 2016 (The Finnish Medical Society Duodecim), *European Award in Medicine: the Gastroenterology category*, IV Edition, 2023.

Knight, First Class, of the Order of the White Rose of Finland, FWR K I (Suomen Valkoisen Ruusun I luokan ritarimerkki, SVR R I) 06.12.2016

PREVIOUS POSITIONS

Clinical Lecturer in Paediatrics (Assistant Professor) at the University of Tampere 1986-1996, Finland
Specialist in Paediatrics at Tampere University Hospital 1986-96 (Acting Assistant Professor 1985)
Senior Scientists, The Academy of Finland, August 1, 1992- July 31, 1993
Professor of Paediatrics, University of Tampere, and Physician-in-Chief of Department of Paediatrics at Tampere University Hospital, Finland, August 1, 1993- June 30, 1994
Senior Investigator, The Academy of Finland, 1994-2000
Clinical Lecturer in Paediatrics (Assistant Professor) at the University of Turku, Finland, 1996-2000
Acting Professor in Paediatrics, University of Turku, Finland, January 1-May 31, 2001; September 1, 2001-May 31, 2002; January 1, 2003- June 30, 2004
Senior Scientist, The Academy of Finland June -December 2002, August 2004- May 2005.

EDUCATION Licentiate of Medicine (m.d.) December 14, 1979

Postgraduate education

Residency 1981-1986, Department of Paediatrics, Tampere University Hospital, Finland
Doctor of Medical Sciences (D.M.Sc.) March 25, 1986

Certification and Licensure

Licensed physician January 30, 1980
Certification, Specialist in Paediatrics May 30, 1986

Title of Docent in Paediatrics July 1, 1990

Post-Doctoral Research Fellow

INSERM U 290, Hôpital Saint-Lazare, Paris, France. 1987- 1988 (1 year)

Assistant Professor in Paediatrics

Cornell Medical College, New York, USA. October 1, 1988- January 15, 1989

Visiting Professor, Harvard Combined Program in Pediatric GI&Nutrition Unit, Children's Hospital, Massachusetts General Hospital, December 1998.

Academic Leadership Programmes

The first course of Medical Pedagogy organized by the Faculty of Medicine, University of Turku, Finland October 2003-May 2004;

Academic Leadership Programme; Executive education and development, Turku School of Economics, Finland, June 10- December 14, 2015; Academic Leadership Programme: Advanced Course, Turku School of Economics, University of Turku, Finland, March 1- June 14, 2019.

OFFICIAL DUTIES AND ADMINISTRATIVE EXPERIENCE

The Academy of Finland, Section for Clinical Research 1989-2000

Scientific Secretary 1989- 1991

Member/ Chairman of the Evaluation Panel on Clinical Research 2000-2002

The Finnish Medical Association Duodecim (Finnish College of Physicians); **Advisory Committee member** 1996-2001

The Finnish Medical Association Council member 1986-1988

Scientific Advisory Board of the National Nutrition Council, Finland 2000-2002

International Life Sciences Institute (ILSI) Europe, Functional Food Science in Europe, member of the theme group: Gastrointestinal Physiology and Function: 1996-7; ILSI Europe, Process for the Assessment of Scientific Support for Claims on Foods (PASSCLAIM), member of the theme group: Gut Health and Immunity 2001-4; Chairman of the Working Group (Functional Foods and Probiotics) for the First World Congress of Pediatric Gastroenterology, Hepatology and Nutrition, 2000; Member of the Working Group (Biotherapeutic and Nutriceutical Agents and Functional Foods) of the Federation of International Societies of Pediatric Gastroenterology, Hepatology and Nutrition 2002-4; Member of the Review Committee of the 2nd World Congress of Pediatric Gastroenterology, Hepatology and Nutrition, 2004; Member of the Working Group (Markers to Assess the Impact of Nutrition on Immune Function in Man), ILSI Europe, 2004.

Turku University Scholarship Committee member 2004-2007

Chairman of the Working Group on International Affairs in the Faculty of Medicine, University of Turku, Finland, 2004-2007.

The Finnish Paediatric Association

Council member 1991-1994, 2010-2014

Chairman of the Education Committee 2005-2010

Confederation of European Specialists in Paediatrics (CESP), 2005-2008

The Turku Collegium for Science and Medicine; Board member 2011- 2014

Administrative council, The Foundation of Paediatric Research, Finland, 2014-

Research Faculty member, University of Turku, Finland

Reviewer of the Doctoral Program Plus (W1212-B09) Inflammation and Immunity; FWF (Austrian Science Fund), April 2010; *Reviewer* of the Science Foundation Ireland centre INFANT (Irish Centre for Fetal and Neonatal Translational Research) August 2017- December 2017; **External Assessor**, APC Microbiome, Cork Ireland, December 2018-March 2019; *Reviewer* of the Science Foundation Ireland centre INFANT (Irish Centre for Fetal and Neonatal Translational Research) 6-year final report September 2019-October 2019; Reviewer, Dutch Research Council, Open Technology Programme, 2023.

Advisory board member, Maternal nutrition Delphi project 2023.

Guest Editor; *Annales of Medicine* 1999; 31 (4) Special Section: New Topics in Food Allergy; *Co-Editor* (together with Professor W. Allan Walker); Allergic Diseases and the Environment; Nestlé Nutrition Workshop Series Pediatric Program, 2004; vol 53; *Guest Editor*, *European Journal of Gastroenterology & Hepatology* 2005: Review in Depth section on: Food Allergy and GI Tract; Microbial Ecology in Health and Disease; *Chairman* of the 64th Nestlé Nutrition Workshop Microbial-Host Interaction: Tolerance vs. Allergy. Sydney, Australia, 2008; *Co-Editor* (together with Professor Per Brandtzaeg and Professor Susan Prescott); Microbial-Host Interaction: Tolerance vs. Allergy. Nestlé Nutrition Workshop Series Pediatric Program, 2009; *Chairman and Co-Editor* (together with Professor W. Allan Walker and Professor Philip Sherman P): Functional Aspects in Health& Disease. 88th Nestle Nutrition Workshop, Mexico, 2016.

MEMBERSHIP OF SCIENTIFIC AND PROFESSIONAL SOCIETIES

The Finnish Medical Association Duodecim (Finnish College of Physicians); The Finnish Medical Association ; The Finnish Paediatric Association; Finnish Society of Allergology and Immunology; European Society for Paediatric Gastroenterology, Hepatology and Nutrition

THESIS WORKS SUPERVISED (PhD; Dr.Med.Sci) (26)

- Taina Arvola, MD, 1992. Intestinal permeability: studies on cow's milk-induced alterations of gut mucosal barrier functions.
- Hanna Suomalainen, MD, 1993. Immune mechanisms in cow's milk allergy.
- Minna Kaila, MD, 1993. Immune responses evoked by cow milk products in health and during rotavirus diarrhea.
- Heli Majamaa, MD, 1996. Gut mucosal barrier: target for probiotic therapy.
- Yelda Sütas, MD, 1996. Food allergy and atopic dermatitis in children. Studies on nutritional and immunologic treatments.
- Merja Malin, MD, 1998. Evaluation of the intestinal mucosal barrier in Crohn's disease and juvenile chronic arthritis.
- Minna-Maija Grönlund, MD, 1999. Mode of delivery and intestinal microflora.
- Tanja Pessi, M.Sc, 2000. Antigen processing and probiotic bacteria: effect of probiotic bacteria on antigen immunogenicity and inflammation.
- Leea Pelto, M.Sc, 2000. Milk hypersensitivity in adults. Studies on diagnosis, prevalence and nutritional management.
- Marko Kalliomäki, MD, 2001. The role of gut microflora in the hygiene hypothesis of allergy. A prospective randomised clinical trial with probiotics in high-risk children.
- Marketta Juntunen, MD 2002. Treatment and prevention of childhood diarrhoea with probiotics and early refeeding.
- Pirkka Kirjavainen, M.Sc, 2003. Intestinal microbiota- a target for treatment in infant atopic eczema?
- Samuli Rautava, MD, 2005. Probiotics in maturing the immune system and reducing the risk of disease in infancy.
- Ulla Hoppu, M.Sc, 2005. Maternal diet during breastfeeding, breast milk composition and allergic disease in the infant.
- Minna Rinne, MD, 2006 Modulation of gut microbiota in early infancy: probiotics, prebiotics and breastfeeding.
- Anu Huurre, MD, 2007. The hygiene hypothesis: reinforcing health counselling against allergy in early infancy.
- Raakel Luoto, MD, 2010. Probiotic interventions in infancy: benefit and safety assessment of extended applications.
- Pasi Kankaanpää, M.Sc, 2010. Interactions between polyunsaturated fatty acids and probiotics.
- Jonna Aaltonen, MD, 2010. Early nutritional determinants in cardio-metabolic programming- a prospective randomized controlled dietary intervention study.
- Lukasz Grzeskowiak, PhD, 2011. Gut microbiota in early infancy: effect of environment, diet and probiotics.
- Johanna Jaakkola, PhD, June 2013. Individual dietary counselling during and after pregnancy: Impact on diet and body weight.
- Anna Pärtty, D.Med.Sc, 2014. Infant colic crying and gastrointestinal tract. Causes, consequences and cure.
- Katri Niinivirta-Joutsa, D.Med.Sc, 2014. Pre- and postnatal nutrition - target for allergy risk reduction.
- Sanna Vähämäki, PhD, 2016. Diet and probiotics during pregnancy – endorsing developmental programming.
- Ulla Hautero, MD, 2017. Maternal overall diet and quality of fat in promoting infant health and development.
- Henriina Hermansson, MD, 2023. Caesarean section- impacts on child health.

OPPONENT (6)

- University of Helsinki, 1995. Mikael Kuitunen: Intestinal permeability to human α -lactalbumin, bovine β -lactoglobulin, mannitol and lactulose in healthy infants and coeliac disease patients.
- Université Paris XI, 1998. Corinne Guérin-Danan: Contribution à l'étude des mécanismes d'action d'un lait fermenté par *Lactobacillus casei* DN 114-001 dans la prévention de la diarrhée à rotavirus. Etudes chez l'enfant sain et chez un nouveau modèle de raton diarrhéique.
- Karolinska Institutet, 1999. Thomas Casswall: Passive immunisation as therapy for gastrointestinal infections in children.
- University of Tampere, 2010. Sini Lohi: Prevalence and Prognosis of Coeliac Disease.
- Wageningen University, 2012. Rina Agustina: Probiotics, calcium and acute diarrhea.
- University of Copenhagen, 2019. Mette Louse Gyhrs: Preventive effect of two probiotic strains on diarrhoea and airway tract infections in a Danish cohort of young children- a randomised clinical study.

PRE-EXAMINER (PhD Thesis, Finland)

- 2023 University of Oulu, Jenni Turunen; 2021 University of Oulu, Katja Kielesseniva; 2015 University of Tampere, Tapio Seiskari.