

Attachments

A) CV of the applicant

Personal details:

Name	Karin Bammann
Date of Birth	22.06.1966
Nationality	German

Academic career:

since 2011	Bremen Senior Researcher , Institute for Public Health and Nursing Research (ipp), Faculty for Human and Health Sciences, University Bremen, Germany
2002-2010	Head of the research unit “Bioinformatics and Genetic Epidemiology” at the Bremen Institute for Prevention Research and Social Medicine (ZWE BIPS), University Bremen, Germany
1997-2000	Free-lance researcher for different clients
1992-2011	Research assistant in numerous research projects, Bremen Institute for Prevention Research and Social Medicine (ZWE BIPS), University Bremen, Germany

Education:

Secondary education:	1979 to 1985, Kooperative Gesamtschule Brinkum (Lower Saxony) High school graduation (Lower Saxony)
Higher education:	1985 to 1992, Studies of Computer Science, with a specialisation in Theoretical Computer Science University of Bremen, Faculty of Mathematics and Computer Science, Bremen, Germany 1992 Diplom Informatikerin (Dipl.-Inform.) Equivalent to Master's Degree in Computer Science Grade: 1.6 (Good) 2001, Completion of Doctorate in Natural Sciences (Naturwissenschaften)(Dr. rer.nat.) Grade: 1.0 (magna cum laude) University of Bremen, Faculty of Mathematics and Computer Science, Bremen, Germany Thesis title: “Auswertung von epidemiologischen Fall-Kontroll-Studien mit künstlichen neuronalen Netzen” or 'Analysis of epidemiological case-control studies with artificial neural networks'

External funding (from 2006-):

Time	Duration	Funding	Role in the project
2015-2018	Sub-project 3 „Development of a community-based outdoor physical activity promotion program in older adults 65+“ within the research framework „AEQUIPA - Physical activity and health equity: primary prevention for healthy ageing“	Federal Ministry of Education and Research (BMBF) € 631 511	Proposal writing; Principal investigator; Member of the Steering Committee of the research framework
2006-2012	Integrated Project: Identification and prevention of Dietary- and lifestyle-induced health Effects In Children and infantS (IDEFICS)	European Commission FP6 € 13 000 000	Proposal writing (in cooperation); Member of the Steering Committee; Chair of Working Area WA 03 „Standardisation & Quality Control“; Co-Chair of WA 02 “Statistics & Data management”; Member in diverse panels
2008-2011	Sub-project 2 „The influence of genetic factors on the etiology of obesity“ within the research framework „Interdisciplinary Obesity Prevention in Childhood and Adolescence“ of the National Obesity Competence Network	Federal Ministry of Education and Research (BMBF) € 126 754	Proposal writing (in cooperation); Scientific coordination
2006-2009	Artificial neural networks for modelling gene-gene- and gene-environment-interactions in genetic epidemiology	German Research Foundation (DFG) € 107 547	Proposal writing; Scientific coordination
2004-2007	Directed graphs for modelling gene-gene- and gene-environment-interactions in genetic epidemiology	German Research Foundation (DFG) € 196 000	Proposal writing (in cooperation); Scientific coordination

Other activities

- Member of German Society for Epidemiology (DGEpi); Member in different working groups of the society.
- Reviewer for numerous international journals in the areas of public health, epidemiology, physical activity, nutrition, and obesity.
- Academic Editor for PLoS ONE.
- Teaching in the programmes
 - B.A. Public Health (Bremen, Germany)
 - M.Sc. Epidemiology (Bremen, Germany)
 - Ph.D. School of Organisation and Management Studies (CBS, Denmark)

B) List of peer-reviewed papers of the applicant (from 2006-)

Fernandez JM, **Bammann K**, Pala V, Krogh V, Barba G, Eiben G, Hebestreit A, Veidebaum T, Reisch L, Tornaritis M, Kovacs E, Huybrechts I, Moreno LA. Prospective associations between socio-economic status and dietary patterns in European children: The identification and prevention of dietary- and lifestyle-induced health effects in children and infants (IDEFICS) study. *Br J Nutr*. 2015; 113(3): 517-25.

Foraita R, Brandes M, Günther F, **Bammann K**, Pigeot I, Ahrens W. The influence of aerobic fitness on obesity and its parent-offspring correlations in a cross-sectional study among German families. *BMC Public Health*. 2015; 15(1):638.

Foraita R, Günther F, Gwozdz W, Reisch LA, Russo P, Lauria F, Siani A, Veidebaum T, Tornaritis M, Iacoviello L, Vyncke K, Pitsiladis Y, Mårild S, Molnár D, Moreno L, **Bammann K**, Pigeot I. Does the FTO gene moderate the influence of the socio-economic status on the obesity development among young European children? Results from the IDEFICS study. *Int J Obes*. 2015; 39(1):1-6.

Gwozdz W, Souza-Poza A, Reisch LA, **Bammann K**, Eiben G, Kourides Y, Kovacs E, Lauria F, Konstabel K, Santaliestra-Pasias AM, Vyncke K, Pigeot I. Peer effects on obesity in a sample of European children. *Econ Hum Biol*. 2015; 18:139-152.

Verbestel V, De Henauw S, **Bammann K**, Barba G, Hadjigeorgiou C, Eiben G, Konstabel K, Kovács E, Pitsiladis Y, Reisch L, Santaliestra-Pasias A, Maes L, De Bourdeaudhuij I. Are context-specific measures of parental reported physical activity and sedentary behaviour associated with accelerometer data in 2-9 year old European children? *Public Health Nutr*. 2015; 18(5): 860-8.

Bammann K, Peplies J, De Henauw S, Hunsberger M, Molnar D, Moreno LA, Pohlabeln H, Tornaritis M, Veidebaum T, Ahrens W, Siani A. Early life course risk factors for childhood obesity: The IDEFICS case-control study. *PLoS One*. 2014; 9(2):e86914.

Barba G, Buck C, **Bammann K**, Hadjigeorgiou C, Hebestreit A, Mårild S, Molnár D, Russo P, Veidebaum T, Vyncke K, Ahrens W, Moreno LA. Blood pressure reference values for European non-overweight school children: The IDEFICS study. *Blood pressure reference values for European non-overweight school children: The IDEFICS study*. *Int J Obes (Lond)*. 2014; 38 Suppl 2:S48-56.

Börnhorst C, Bel-Serrat S, Pigeot I, Huybrechts I, Ottevaere C, Sioen I, De Henauw S, Mouratidou T, Mesana MI, Westerterp K, **Bammann K**, Lissner L, Eiben G, Pala V, Rayson M, Krogh V, Moreno LA. Validity of 24-hour recalls in (pre-)school children: Comparison of proxy-reported energy intakes with measured energy expenditure. *Clin Nutr*. 2014; 33(1):79-84.

Fernández-Alvira JM, **Bammann K**, Pala V, Krogh V, Barba G, Eiben G, Hebestreit A, Veidebaum T, Reisch L, Tornaritis M, Kovacs E, Huybrechts I, Moreno LA. Country-specific dietary patterns and associations with socioeconomic status in European children: The IDEFICS study. *Eur J Clin Nutr*. 2014; 68:811-21.

Formisano A, Hunsberger M, **Bammann K**, Michels N, Molnar D, Moreno L, Tornaritis M, Veidebaum T, Lissner L, Barba G, Siani A. Family structure and childhood obesity: results of the IDEFICS Project. *Public Health Nutr*. 2014; 17:2307-2315.

Konstabel K, Veidebaum T, Verbestel V, Moreno LA, **Bammann K**, Tornaritis M, Eiben G, Molnár D, Siani A, Sprengeler O, Wirsik N, Ahrens W, Pitsiladis Y. Objectively measured physical activity in European children: the IDEFICS study *Int J Obes (Lond)*. 2014; 38 Suppl 2: S135-S143.

Nagy P, Kovacs E, Moreno LA, Veidebaum T, Tornaritis M, Kourides Y, Siani A, Lauria F, Sioen I, Claessens M, Mårild S, Lissner L, **Bammann K**, Intemann T, Buck C, Pigeot I, Ahrens W, Molnár D. Percentile reference values for anthropometric body composition indices in European children from the IDEFICS study. *Int J Obes (Lond)*. 2014; 38 Suppl 2:S15-25.

Priego T, Sánchez J, Picó C, Ahrens W, Bammann K, De Henauw S, Fraterman A, Iacoviello L, Lissner L, Molnár D, Moreno LA, Siani A, Tornaritis M, Veidebaum T, Palou P. Influence of breast-feeding on blood-cell transcript-based biomarkers of health in children. *Pediatr Obes*. 2014; 9(6): 463-70. [Impact factor 2013: 2.419].

Santaliestra-Pasias AM, Mouratidou T, Verbestel V, Bammann K, Molnar D, Sieri S, Siani A, Veidebaum T, Mårild S, Lissner L, Hadjigeorgiou C, Reisch L, De Bourdeaudhuij I, Moreno LA. Physical activity and sedentary behaviour in European children. The IDEFICS study. *Public Health Nutr*. 2014; 17(10):2295-306. [Impact factor 2013: 2.483].

Bammann K, Gwozdz W, Lanfer A, Barba G, De Henauw S, Eiben G, Fernandez-Alvira JM, Kovacs E, Lissner L, Moreno LA, Tornaritis M, Veidebaum T, Pigeot I. Socioeconomic factors and childhood overweight in Europe: results from the IDEFICS multi-centre study. *Pediatr Obes*. 2013; 8(1):1-12.

Bammann K, Huybrechts I, Vicente-Rodriguez G, Easton C, De Vriendt T, Mårild S, Mesana MI, Peeters MW, Reilly JJ, Sioen I, Tubic B, Wawro N, Wells JC, Westerterp K, Pitsiladis Y, Moreno LA, on behalf of the IDEFICS consortium. Validation of anthropometry and foot-to-foot bioelectrical resistance against a three-component model to assess total body fat in children. The IDEFICS study. *Int J Obes (Lond)*. 2013; 37(4):520-526.

Fernández-Alvira JM, Mouratidou T, **Bammann K**, Hebestreit A, Barba G, Sieri S, Reisch L, Eiben G, Hadjigeorgiou C, Kovacs E, Huybrechts I, Moreno LA. Parental education and frequency of food consumption in European children: the IDEFICS study. *Public Health Nutr.* 2013; 16(3):487-98.

Gianfagna F, Cugino D, Ahrens W, Bailey ME, **Bammann K**, Herrmann D, Koni AC, Kourides Y, Marild S, Molnár D, Moreno LA, Pitsiladis YP, Russo P, Siani A, Sieri S, Sioen I, Veidebaum T, Iacoviello L. Understanding the links among neuromedin U gene, beta2-adrenoceptor gene and bone health: an observational study in European children. *PLoS One.* 2013; 8(8):e70632.

Gwozdz W, Sousa-Poza A, Reisch LA, Ahrens W, De Henauw S, Eiben G, Fernandez J, Hadjigeorgiou C, Kovac E, Lauria F, Veidebaum T, Williams G, **Bammann K**. Maternal employment and child obesity. A European perspective. *J Health Econ.* 2013; 32(4):728-42.

Lanfer A, **Bammann K**, Knof K, Buchecker K, Russo P, Veidebaum T, Kourides Y, De Henauw S, Molnar D, Bel-Serrat S, Lissner L, Ahrens W. Predictors and correlates of taste preference in children. *Food Qual Prefer.* 2013; 27(2):128–136.

Michels N, Huybrechts I, **Bammann K**, Lissner L, Moreno L, Peeters M, Sioen I, Vanaelst B, Vyncke K, De Henauw S. Caucasian children's fat mass: routine anthropometry v. air displacement plethysmography. *Br J Nutr.* 2013; 109(8):1528-37.

Michels N, Vanaelst B, Stoppie E, Huybrechts I, **Bammann K**, De Henauw S, Sioen I. Parental and children's report of emotional problems: agreement, explanatory factors and event-emotion correlation. *Child Adol Ment H-UK* 2013; 18(3): 180-186.

Reeske A, Spallek J, **Bammann K**, Eiben G, De Henauw S, Kourides Y, Nagy P, Ahrens W. Migrant Background and Weight Gain in Early Infancy: Results from the German Study Sample of the IDEFICS Study. *PLoS One.* 2013; 8(4):e60648.

Regber S, Novak M, Eiben G, **Bammann K**, Borup I, De Henauw S, Fernández-Alvira JM, Gwozdz W, Kourides Y, Moreno LA, Molnár D, Pigeot I, Reisch L, Russo P, Veidebaum T, Marild S. Parents' perception of their children's weight vs measured weights: The IDEFICS study. *Pediatr Obes.* 2013; 8(2):118-29.

Vanaelst B, Huybrechts I, De Bourdeaudhuij I, **Bammann K**, Chadjigeorgiou C, Eiben G, Konstabel K, Molnar D, Moreno L, Pigeot I, Reisch L, Siani A, Vyncke K, De Henauw S, the IDEFICS Consortium. Prevalence of negative life events and chronic adversities in European school-aged children: results of the IDEFICS study. *Arch Public Health.* 2012; 70(1):26.

Vanaelst B, Huybrechts I, Michels N, Flórez MR, Aramendía M, Balcaen L, Resano M, Vanhaecke F, **Bammann K**, Bel-Serrat S, De Henauw S. Hair Minerals and Metabolic Health in Belgian Elementary School Girls. *Biol Trace Elem Res.* 2013; 151(3):335-43.

Vanaelst B, Michels N, De Vriendt T, Huybrechts I, Vyncke K, Sioen I, **Bammann K**, Rivet N, Raul JS, Molnar D, De Henauw S. Cortisone in hair of elementary-school girls and its relationship with childhood stress. *Eur J Pediatr.* 2013; 172(6):843-6.

Verbestel V, De Henauw S, **Bammann K**, Barba G, Hadjigeorgiou C, Eiben G, Konstabel K, Kovács E, Pitsiladis Y, Reisch L, Santaliestra-Pasías A, Maes L, De Bourdeaudhuij I. Are context-specific measures of parental reported physical activity and sedentary behaviour associated with accelerometer data in 2-9 year old European children? *Public Health Nutr.* 2014; 2: 1-9.

Vyncke K, Cruz Fernandez E, Fajó-Pascual M, Cuenca-García M, De Keyzer W, Gonzalez-Gross M, Moreno LA, Beghin L, Breidenassel C, Kersting M, Albers U, Diethelm K, Mouratidou T, Grammatikaki E, De Vriendt T, Marcos A, **Bammann K**, Börmhorst C, Leclercq C, Manios Y, Dallongeville J, Vereecken C, Maes L, Gwozdz W, Van Winckel M, Gottrand F, Sjöström M, Díaz LE, Geelen A, Hallström L, Widhalm K, Kafatos A, Molnar D, De Henauw S, Huybrechts I. Validation of the Diet Quality Index for Adolescents by comparison with biomarkers, nutrient and food intakes: the HELENA study. *Br J Nutr* 2013; 109(11):2067-78.

Günther F, **Bammann K**, Pigeot I. Using a reduced topology of an artificial neural network to identify biological interaction in genetic epidemiology for two-locus disease models. *JP J Biostat* 2012.

Günther F, Pigeot I, **Bammann K**. Modelling gene-environment interactions using an artificial neural network. *BMC Genet.* 2012; 13(1):37.

Hunsberger M, Formisano A, Reisch LA, **Bammann K**, Moreno LA, De Henauw S, Molnar D, Tornaritis M, Veidebaum T, Siani A, Lissner L. Overweight in singletons compared to children with siblings-the IDEFICS study. *Nutr Diabetes.* 2012; 2:e56.

Lauria F, Siani A, **Bammann K**, Foraita R, Huybrechts I, Iacoviello L, Koni AC, Kourides Y, Marild S, Molnar D, Moreno LA, Pigeot I, Pitsiladis YP, Veidebaum T, Russo P, the IDEFICS Consortium. Prospective analysis of the association of a common variant of FTO (rs9939609) with adiposity in children: results of the IDEFICS study. *PLoS One* 2012; 7(11):e48876.

Michels N, Sioen I, Huybrechts I, **Bammann K**, Vanaelst B, Iacoviello L, Konstabel K, Ahrens W, De Henauw S. Negative life events, emotions and problem behavior as predictors of salivary cortisol in children. *Psychoneuroendocrinology.* 2012; 37(9):1506-15.

Ojiambo R, Konstabel K, Veidebaum T, Reilly J, Verbestel V, Huybrechts I, Sioen I, Casajus JA, Moreno LA, Vicente-Rodriguez G, **Bammann K**, Tubic BM, Marild S, Westerterp K, Pitsiladis YP. Validity of uni-axial versus tri-axial accelerometers in the assessment of free-living energy expenditure in young children: The IDEFICS Validation Study. *J Appl Physiol*. 2012; 113(10):1530-1536.

Sioen I, Mouratidou T, Kaufman JM, **Bammann K**, Michels N, Pigeot I, Vanaelst B, Vyncke K, De Henauw S. Determinants of vitamin D status in young children: results from the Belgian arm of the IDEFICS study. *Public Health Nutr* 2012; 15(6):1093-9.

Vanaelst B, Huybrechts I, **Bammann K**, Michels N, de Vriendt T, Vyncke K, Sioen I, Iacoviello L, Günther K, Molnar D, Lissner L, Rivet N, Raul JS, de Henauw S. Intercorrelations between serum, salivary, and hair cortisol and child-reported estimates of stress in elementary school girls. *Psychophysiology*. 2012; 49(8):1072-81.

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Ahrens W, **Bammann K**, Siani A, Buchecker K, De Henauw S, Iacoviello L, Hebestreit A, Krogh V, Lissner L, Marild S, Molnar D, Moreno LA, Pitsiladis YP, Reisch L, Tornaritis M, Veidebaum T, Pigeot I. The IDEFICS cohort: design, characteristics and participation in the baseline survey. *Int J Obes (Lond)*. 2011; 35 Suppl 1:S3-15.

Bammann K, Sioen I, Huybrechts I, Casajus JA, Vicente-Rodriguez G, Cuthill R, Konstabel K, Tubic B, Wawro N, Rayson M, Westerterp K, Marild S, Pitsiladis YP, Reilly JJ, Moreno LA, De Henauw S. The IDEFICS validation study on field methods for assessing physical activity and body composition in children: design and data collection. *Int J Obes (Lond)*. 2011; 35 Suppl 1:S79-87.

De Henauw S, Verbestel V, Barba G, **Bammann K**, Eiben G, Hebestreit A, Keimer K, Konstabel K, Kovacs E, Maes L, Moreno LA, Tornaritis M, Pigeot I, De Bourdeaudhuij I, Marild S. The IDEFICS Community Intervention Program. Rationale, concepts and implementation strategies. *Int J Obes (Lond)*. 2011; 35 Suppl 1:S16-23.

Herrmann D, Suling M, Reisch L, Siani A, De Bourdeaudhuij I, Maes L, Santaliestra-Pasías AM, Veidebaum T, Molnar D, Pala V, Kourides Y, Eiben G, **Bammann K**. Repeatability of parental report on prenatal, perinatal and early postnatal factors: findings from the IDEFICS parental questionnaire. *Int J Obes (Lond)*. 2011; 35 Suppl 1:S52-60.

Koni AC, Scott RA, Wang G, Bailey MES, Peplies J, **Bammann K**, Pitsiladis YP. DNA yield and quality of saliva samples and suitability for large scale epidemiological studies in children. *Int J Obes (Lond)*. 2011; 35 Suppl 1:S113-118.

Peplies J, Guenther K, **Bammann K**, Fraterman A, Russo P, Veidebaum T, Tornaritis M, Van Aelst B, Marild S, Molnar D, Moreno LA, Ahrens W. Influence of sample quality on the analyses of biological markers in the European multicentre study IDEFICS. *Int J Obes (Lond)*. 2011; 35 Suppl 1:S104-112.

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Hebebrand J, **Bammann K**, Hinney A. Genetische Ursachen der Adipositas: Zum Stand der Forschung. *Bundesgesundheitsbl Gesundheitsforsch Gesundheitsschutz*. 2010; 53(7): 674-80. Invited paper.

Peplies J, Fratermann A, Scott R, Russo P, **Bammann K**. A quality management system for the collection of biological samples in epidemiological studies. *Eur J Epidemiol*. 2010; 25(9):607-617.

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Foraita R, **Bammann K**, Pigeot I. Modeling gene-gene interactions using graphical chain models. *Hum Hered*. 2008; 65(1):47-56.

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Bammann K, Wawro N. Die Einbeziehung genetischer Faktoren in Studien der Epidemiologie. *Bundesgesundheitsbl Gesundheitsforsch Gesundheitsschutz*. 2006; 49(10):974-81. Invited paper.

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