

CURRICULUM VITAE for Christine Stabell Benn

Born 15 June 1968. Mother of Frederikke (1995) and William (1998).

Work address: Bandim Health Project, Statens Serum Institut, Artillerivej 5, 2300 Copenhagen S, Denmark. Tel: +45 32 68 83 54, Fax: +45 32 68 31 65.

E-mail: cb@ssi.dk. Homepage: <http://www.bandim.org>

EMPLOYMENTS

- 2007- Post-doc, Bandim Health Project, Statens Serum Institut (SSI)
- 2005-2007 Post-doc, Bandim Health Project, SSI, and Dept. of Infectious Diseases, Rigshospitalet 7641, University of Copenhagen, Denmark (UCD)
- 2003-2004 Post-doc, Dept. of Epidemiology Research, SSI
- 2002-2004 External lecturer, Epidemiology, UCD
- 1999-2003 PhD-student, Dept. of Epidemiology Research, SSI
- 1998 Maternity leave
- 1996-98 Residence in Surgery, Internal Medicine and GP, Copenhagen
- 1995 Maternity leave
- 1993 12 months' scholarship, Institute of Epidemiology and Social Science, University of Aarhus, Denmark (UAD) and Bandim Health Project, Guinea-Bissau

EDUCATION

- 2006 One month at Paediatric Immunology Department, Stanford University, US
- 2003 PhD, UCD
- 1996 MD, UCD
- 1994 Diploma in Medical Research, UAD
- 1987-96 Medical Student, UAD and UCD

LECTURES

Many oral and poster presentations at international conferences such as all the international vitamin A (IVACG/Micronutrient Forum) meetings and the INDEPTH meetings. Invited speaker at several meetings. Co-organiser of a large international seminar "The Th1/Th2 paradigm in Epidemiology", held at the Statens Serum Institut in 2001 and a GABRIEL course in "Immunological methods for epidemiological studies" held at LUMC, The Netherlands, in 2007.

HONOURS

- 2004 Selected as one among the 9 most talented Danish Researchers nominated for a EURYI award
- 2005 Awarded a Young Research Leader grant by the Strategic Research Council as one among the 19 most talented young Danish Researchers
- 2009 Received a Female Research Leader grant from The Danish Council for Independent Research
- 2009 Received an ERC Starting Grant. The reviewers wrote: "The excellent qualification of the PI is shown by her outstanding competence in immunology and epidemiology, her well documented scientific activity that has led to a remarkable number of publications in high quality journals, and by her skill in organizing a research group." "A constant characteristic of the PI is her creative thinking that has resulted in innovative approaches leading to novel and partly unexpected findings.", "The PI is an international expert in the field of nutrition and immunology, and she is clearly

one of the world leaders in the domain of vitamin A supplementation.”, “The proposed project addresses a set of major issues currently at the frontiers of existing scientific knowledge. The implications include both production of new knowledge and improvement of public health action.”

EXPERIENCE AS PRINCIPAL INVESTIGATOR FOR CLINICAL TRIALS

The principal investigator for the following large-scale randomised trials in Guinea-Bissau:

- 1993-1995 The effect of vitamin A supplementation on the antibody-response to measles vaccine
- 2002, 2004 Randomised study of different doses of vitamin A given with oral polio vaccine during a campaign
- 2002-2005 The effect on mortality of 50,000 IU vitamin A given with BCG at birth
- 2004- The effect on mortality of different doses of vitamin A given with BCG at birth
- 2005- The effect on mortality of 25,000 IU vitamin A given with or without BCG to low-birth-weight-neonates
- 2007- An evaluation of the WHO vitamin A policy
- 2008- The effect on mortality of providing oral polio vaccine at birth

TUTORIAL TASKS

The supervisor of the following PhD students:

- 1) Mads Kamper-Jørgensen, MSc: “Short- and long term consequences of attendance to childcare facilities” (2004-2007)
- 2) Birgitte Diness, MD: “Should infants receive high-dose vitamin A supplementation with BCG vaccine at birth in developing countries?” (2004-2007)
- 3) Jane Agergaard, MD: “Randomised study of not providing DTP vaccination simultaneously with or after measles vaccination” (2005-2009)
- 4) Mathias Jul Jørgensen, MSc: “Understanding the immunological effects of vitamin A supplementation” (2006-2009)(delayed due to paternal leave)
- 5) Ane Fisker, MD: “Evaluation of WHO recommended vitamin A supplementation at first vaccination contact” (2007-2010)
- 6) Carlitos Balé, MD: “Evaluation of the impact on morbidity of the WHO recommended vitamin A supplementation at first immunisation contact after 6 months of age” (2008-2011)
- 7) Najaaraq Lund, MD: “Investigating the mortality impact of oral polio vaccine at birth” (2008-2011)
- 8) Andreas Andersen, MSc: “Non-random missing observations in longitudinal studies of childhood vaccines” (2009-2012)
- 9) Morten Bjerregaard-Andersen, MD: “Establishing a twin cohort in Guinea Bissau” (2009-2012)

The supervisor of the following one-year Scholarship/Master/OSVAL students:

- 1) Jeppe Madura Larsen, MSc student, “Investigating the immunological mechanisms behind non-specific effects of BCG vaccine” (2003-4)
- 2) Ane Fisker, MD student: “Sex-differential effects of high-dose vitamin A supplementation in developing countries” (2004-5)
- 3) Dorthe Christoffersen, MD student: “The impact of different doses of vitamin A supplementation on male and female childhood morbidity and mortality” (2004-5)
- 4) Ernesto Nante, MD: “Potential adverse events after simultaneous vitamin A supplementation and BCG vaccination in normal-birth-weight infants in Guinea-Bissau” (2004-2005)
- 5) Mia Eriksson, MD student: “Immunological effects of vaccinations” (2006) (OSVAL thesis, grade 13)

- 6) Sofia Lantz, MD student: "Sex-differential effects on mortality of prophylactic vitamin A supplementation in low-income countries. A meta-analysis" (2007)(OSVAL thesis, grade 12)
- 7) Karen Rokkedal Lausch, MD student: "Low birth weight, sex, season and mortality" (2006-2007)
- 8) Grith Poulstrup, MSc student: "The effect of DTP booster vaccine on morbidity" (2007)(Master thesis: grade 10)
- 9) Grethe Lemvik, MD student: "Immunological effects of DTP vaccination" (2007-2008)
- 10) Line Hein-Kristensen, MSc student; "Immunological effects of combining vitamin A supplementation and DTP vaccine in mice" (2007-2008)(Master thesis: grade 12)
- 11) Sofie Biering-Sørensen, MSc student: "Sex-differential health interventions in low-birth-weight infants" (2008-2009)
- 12) Linda Hornshøj, MD student: "Determinants of vaccination status in rural Guinea-Bissau" (2008-2009)
- 13) Niels Danneskiold-Samsøe, MSc student: "Mapping of vitamin A status among children in Guinea-Bissau" (2008-2009)
- 14) Julie Rasmussen, MD student: "Nutritional status and mortality in urban and rural Guinea-Bissau" (2009-2010)
- 15) Sophie Karkov, MSc student: " Investigating the immunological effects of oral polio vaccine at birth" (2009-2010)
- 16) Anna Sofie Hansen, MD student: "The effect of administering oral polio vaccine at birth on polio immunity" (2009-2010)

MAJOR FUNDING

The main or second applicant for the following grants (>½ mill. DKr)

| | |
|------|--|
| 2002 | EU: funding Vitamin A/BCG studies |
| 2003 | March of Dimes: Vitamin A/BCG study |
| 2004 | The Danish Medical Research Council: Post-doc grant |
| 2005 | The Danish Medical Research Council: DTP study |
| 2005 | The Strategic Programme for Young Researchers: salary for two PhD students |
| 2006 | Danida: Capacity building in Guinea-Bissau |
| 2006 | The Danish Medical Research Council: Vitamin A/vaccine study |
| 2007 | Danida: Post-doc grant |
| 2008 | The Danish Medical Research Council: OPV study |
| 2009 | The Danish Council for Independent Research: Female Research Leader |

OTHERS

- Reviewer for The Lancet, The British Medical Journal (peer reviewer in the top 10%), Vaccine, Clinical Microbiology Reviews, and Journal of Infectious Diseases (among the top 5%).
- Member of The Graduate School of Immunology, The Graduate School of Public Health, and The Copenhagen Graduate School of International Health.
- External examiner of PhD thesis, London School of Hygiene and Tropical Medicine, 2007.
- Temporary advisor for the World Health Organization (Neonatal vitamin A policy), 2008
- Board member, Danish Research Network for International Health from 2009.

PUBLICATIONS

Total number of publications in peer reviewed journals (not abstracts): 77

1. **Stabell C**, Balé C, da Silva AP, Olsen J, Aaby P. No evidence of fontanelle-bulging episodes after vitamin A supplementation of 6- and 9-months old infants in Guinea-Bissau. Eur J Clin Nutr 1995; 49: 73-74
2. **Benn CS**, Whittle H, Aaby P, Balé C, Michaelsen KF, Olsen J. Vitamin A and measles. Lancet 1995; 346: 503-504
3. **Benn CS**, Aaby P, Balé C, Olsen J, Michaelsen KF, George E, Whittle H. Randomised trial of effect of vitamin A supplementation on antibody response to measles vaccine in Guinea-Bissau, West Africa. Lancet 1997; 350: 101-105
4. **Benn CS**, Lisse IM, Balé C, Michaelsen KF, Olsen J, Hedegaard K, Aaby P. No strong long-term effect of vitamin A supplementation in infancy on CD4 and CD8 T-cell subsets. A community study from Guinea-Bissau, West Africa. Ann Trop Paediatr 2000; 20: 259-264.
5. **Benn CS**, Jeppesen DL, Hasselbalch H, Olesen AB, Nielsen J, Björkstén B, Lisse IL, Aaby P. Thymus size and head circumference at birth and development of allergic diseases. Clin Exp Allergy 2001; 31: 1862-1866.
6. **Benn CS**, Bager P, Jensen H, Lisse I, Aaby P. Measles and atopy – rash on rash? Allergy 2001; 56: 800-801.
7. **Benn CS**, Balde A, George E, Kidd M, Whittle H, Lisse IM, Aaby P. Long-term effect of vitamin A supplementation with measles vaccine in infancy on measles-specific antibody levels in Guinea-Bissau, West Africa. Lancet 2002; 359: 1313-14.
8. **Benn CS**, Bendixen M, Krause TG, Olesen, AB. Questionable coexistence of Th1 and Th2-related diseases. J Allergy Clin Immunol 2002; 110: 328-29.
9. **Benn CS**, Thorsen P, Jensen JS, Kjær BB, Bisgaard H, Andersen M, Rostgaard K, Björkstén B, Melbye M. Maternal vaginal microflora during pregnancy and risk of asthma hospitalization and anti-asthma medication in early childhood. J Allergy Clin Immunol 2002; 110: 72-77.
10. Bager P, Westergaard T, Rostgaard K, **Benn CS**, Melbye M. Mode of delivery and risk of allergic rhinitis and asthma. J Allergy Clin Immunol 2003; 111: 51-6.
11. Westergaard T, Begtrup K, Rostgaard K, Krause TG, **Benn CS**, Melbye M. Reproductive history and allergic rhinitis among 31,145 Danish Women. Clin Exp Allergy 2003; 33:301-5.
12. **Benn CS**, Benfeldt E, Andersen PK, Olesen AB, Melbye M, Björkstén B. Atopic Dermatitis in Young Children: Diagnostic criteria for Use in Epidemiological Studies Based on Telephone Interviews. Acta Derm Venereol 2003; 83: 347-350.
13. **Benn CS**, Balé C, Sommerfelt H, Friis H, Aaby P. Vitamin A supplementation and childhood mortality: Amplification of the non-specific effects of vaccines? Int J Epidemiol 2003; 32:822-8.
14. Aaby P, Jensen H, Rodrigues A, Garly ML, **Benn CS**, Lisse IM, Simondon F. Divergent female-male mortality ratios associated with different routine vaccinations among female-male twin pairs. Int J Epidemiol 2004; 33:367-73.
15. **Benn CS**, Böttcher MF, Pedersen BV, Filteau SM, Duchén K. Mammary epithelial paracellular permeability in atopic and non-atopic mothers versus childhood atopy. Pediatr Allergy Immunol 2004; 15:123-6.
16. **Benn CS**, Melbye M, Wohlfahrt J, Björkstén B, Aaby P. The sibling effect, infectious diseases, and risk of atopic dermatitis before 18 months of age. BMJ 2004; 328:1223-8.
17. Aaby P, Rodrigues A, Biai S, Martins C, Veirum JE, **Benn CS**, Jensen H. Oral polio vaccine and low case fatality at the paediatric ward in Bissau. Vaccine 2004; 22: 3014-7.

18. **Benn CS**, Wohlfahrt J, Aaby P, Westergaard T, Benfeldt E, Michaelsen KF, Björkstén B, Melbye M. Breastfeeding and Risk of Atopic Dermatitis During The First 18 Months of Life by Parental History of Allergy. Am J Epidemiol 2004; 160:217-23.
19. Linneberg A, Petersen J, Grønbæk M, **Benn CS**. Alcohol during pregnancy and atopic dermatitis in the offspring. Clin Exp Allergy 2004; 34: 1678-1683.
20. Nielsen J, **Benn CS**, Bale C, Martins C, Aaby P. Vitamin A supplementation during war-emergency in Guinea-Bissau 1998-1999. Acta Trop 2005; 93: 275-82.
21. Aaby P, Rodrigues A, Biai S, Martins C, Veirum JE, **Benn CB**, Jensen H. Vaccines and unexpected observations: Flaws or cause for concern? Vaccine 2005; 23: 2407-8.
22. **Benn CS**, Melbye M, Wohlfahrt J, Björkstén B, Aaby P. [Kohortestudie af effekten af søskende og infektionssygdomme på udvikling af atopisk dermatitis]. Ugeskr Laeger 2005;167 :1754-7
23. Aaby P, Jensen H, **Benn CS**, Lisse IM. Non-specific effects of vaccination: survival bias may explain findings. BMJ 2005; 330:844-5.
24. Jensen H, **Benn CS**, Aaby P. Diphtheria-tetanus-pertussis vaccination in low-income countries: improved child survival or survival bias? BMJ 2005; 330:845-6.
25. Olesen AB, Andersen G, Jeppesen DL, **Benn CS**, Juul S, Thestrup-Pedersen K. Thymus is enlarged in children with current atopic dermatitis. A cross-sectional study. Acta Derm Venereol 2005; 85: 240-243.
26. **Benn CS**, Michaelsen KF. Does the effect of breast-feeding on atopic dermatitis depend on family history of allergy? J Pediatr 2005;147(1):128-9.
27. **Benn CS**, Martins C, Rodrigues A, Jensen H, Lisse IM, Aaby P. Randomised study of the impact of different doses of vitamin A on childhood morbidity and mortality. BMJ 2005; 331:1428-32.
28. Linneberg A, Simonsen JB, Petersen J, Stensballe LG, **Benn CS**. Differential effects of risk factors on infant wheeze and atopic dermatitis emphasize a different etiology. J Allergy Clin Immunol 2006; 117(1):184-9.
29. Kamper-Jørgensen M, Wohlfahrt J, Simonsen J, Thrane N, **Benn CS**. Temporal trends in paediatric infections in Denmark. Arch Dis Child 2006; 91:401-4.
30. **Benn CS**, Diness B, Fisker AB, Christoffersen D, Friis H. [Høj-dosis vitamin A tilskud sænker børnedødeligheden i lavindkomstlande – kan det blive bedre?]. Ugeskr Laeger 2006; 168: 2442-2445.
31. Aaby P, Gustafson P, Roth A, Rodrigues A, Fernandes M, Sodemann M, Holmgren B, **Benn CS**, Garly ML, Lisse IM, and Jensen H. Vaccinia scars associated with better survival for adults. An observational study from Guinea-Bissau. Vaccine 2006; 24:5718-25.
32. Aaby P, Vessari H, Nielsen J, Maleta K, **Benn CS**, Jensen H, Ashorn P. Non-specific and sex-differential effects of routine immunizations in rural Malawi. PIDJ 2006; 25:721-727.
33. **Benn CS**, Fisker AB, Diness BR, Aaby P. Sex-differential effects of neonatal vitamin A supplementation on mortality? J Infect Dis 2006; 194: 719.
34. Kamper-Jørgensen M, Wohlfahrt J, Simonsen J, Grønbæk M, **Benn CS**. Population-based study of the impact of childcare attendance on hospitalizations for acute respiratory infections. Pediatrics 2006; 118: 1439-46.
35. Stensballe LG, Kristensen K, Simoes EAF, Jensen H, Nielsen J, **Benn CS**, Aaby P. Atopic Disposition, Wheezing, and Subsequent Respiratory Syncytial Virus Hospitalization in Danish Children Younger Than 18 Months: A Nested Case-Control Study. Pediatrics 2006;118: 1360-8.
36. **Benn CS**, Aaby P. [Kønsforskelle i respons på præventive sundhedsprogrammer]. Ugeskr Laeger 2006; 168: 3045-3046.

37. Poulsen A, Stensballe LG, Nielsen J, **Benn CS**, Balde A, Roth A, Lisse IM, Aaby P. Long-term consequences of respiratory syncytial virus acute lower respiratory tract infection in early childhood in Guinea-Bissau. PIDJ 2006; 25: 1025-1031.
38. Rodrigues A, Schellenberg JA, Roth A, **Benn CS**, Aaby P, Greenwood B. Revaccination with Bacillus Calmette-Guerin (BCG) vaccine does not reduce morbidity from malaria in African children. TMIH 2007;12:224-9.
39. Aaby P, **Benn CS**, Nielsen J, Lisse IM, Rodrigues A, Jensen H. Estimating the effect of DTP vaccination on mortality in observational studies with incomplete vaccination data. TMIH 2007;12:15-24.
40. Jensen H, **Benn CS**, Nielsen J, Lisse IM, Rodrigues A, Andersen PK, Aaby P. Survival bias in observational studies of the impact of routine immunisations on childhood survival TMIH 2007; 12:5-14.
41. **Benn CS**, Fisker AB, Jørgensen MJ, Aaby P. Why worry: Vitamin A with DTP vaccine? Vaccine 2007; 25: 777-779.
42. Aaby P, Biai S, Veirum JE, Sodeman M, Lisse I, Garly ML, Jensen H, **Benn CS**, Rodrigues A. DTP with or after measles vaccination is associated with increased in-hospital mortality in Guinea-Bissau. Vaccine 2007; 25: 1265-69.
43. Kamper-Jørgensen M, Wohlfahrt J, Simonsen JB, **Benn CS**. The Childcare Database: a valuable register-linkage. Scand J Public Health 2007; 35: 323-9.
44. Jensen ML, Dave S, van der Loeff MS, da Costa C, Vincent T, Leligdowicz A, **Benn CS**, Roth A, Ravn H, Lisse IM, Whittle H, Aaby P. Vaccinia Scars Associated with Improved Survival among Adults in Rural Guinea-Bissau. PloS ONE 2006; 1: e101.
45. Larsen JM, **Benn CS**, Fillie Y, van der Kleij D, Aaby P, Yazdanbakhsh M. BCG stimulated dendritic cells induce an IL-10 producing T-cell population with no Th1/Th2 bias in vitro. Immunology 2007; 121: 276-82
46. Aaby P, Garly ML, Jensen H, Martins C, Balé C, **Benn CS**, Rodrigues A, Lisse IM. Inactivated polio and diphtheria-tetanus-pertussis vaccines associated with increased female mortality prior to measles vaccination: Observations from vaccination trials in Guinea-Bissau. PIDJ 2007; 26: 247-52.
47. Nante E, Diness BR, Ravn H, Roth A, Aaby P, **Benn CS**. No adverse events associated with simultaneous vitamin A supplementation and Baccille Calmette-Guerin vaccination in normal-birth-weight infants in Guinea-Bissau. Eur J Clin Nutr 2007 May 30; [Epub ahead of print]
48. **Benn CS**, Aaby P. Sex-differential responses to preventive health interventions. Dan Med Bull 2007; 54: 153-4.
49. Fisker AB, Lisse IM, Aaby P, Erhardt J, Rodrigues A, Bibby B, **Benn CS**. Impact of neonatal vitamin A supplementation with BCG vaccine on vitamin A status at 6 weeks and 4 months of age. AJCN 2007; 86:1032-9.
50. Diness BR, Fisker AB, Roth A, Yazdanbakhsh M, Sartono E, Whittle H, Nante JE, Lisse IM, Ravn H, Rodrigues A, Aaby P, **Benn CS**. The effect of high-dose vitamin A supplementation on the immune response to Bacille Calmette-Guerin vaccination. AJCN 2007; 86:1152-9.
51. Kamper-Jørgensen M, Woodward A, Wohlfahrt J, **Benn CS**, Simonsen J, Hjalgrim H, Schmiegelow K. Childcare in the first two years of life reduces the risk of childhood acute lymphoblastic leukaemia. Leukaemia 2008; 22 :189-93.
52. Eriksson M, Sartono E, Martins CL, Balé C, Garly ML, Whittle H, Aaby P, Pedersen BK, Yazdanbakhsh M, Erikstrup C, **Benn CS**. A comparison of ex vivo cytokine production in venous and capillary blood. Clin Exp Immunol 2007; 150 :469-76.

53. **Benn CS**, Friis H, Wejse C. Should micronutrient supplementation be integrated in the case management of tuberculosis [Editorial]? *J Infect Dis* 2008;197(11):1487-1489.
54. Aaby P, **Benn CS**, Nielsen J, Ravn H. Sex-differential non-specific effects of BCG and DTP in Cebu, The Philippines. *Int J Epidemiol* 2008; 38:320-3
55. **Benn CS**, Fisker AB, Jørgensen MJ, Aaby P. Conflicting evidence for neonatal vitamin A supplementation. *Vaccine* 2008; 26:4111-2.
56. Hersoug L-G, **Benn CS**, Simonsen JB, Kamper-Jørgensen M, Linneberg A. Maternal employment in childcare institutions and the risk of infant wheeze and atopic dermatitis in the offspring. *Ped All Immunol* 2008; 19(8):688-95
57. Erikstrup E, Mortensen OH, Rinnow A, Fischer CP, Pedersen AM, Krogh-Madsen R, Lindegaard B, Erhardt J, Ullum H, **Benn CS**, Pedersen BK. RBP4-to-retinol ratio, but not total RBP4, is elevated in patients with type 2 diabetes. *Diabetes Obes Metab* 2009;11:204-12.
58. **Benn CS**, Diness BR, Roth A, Nante E, Fisker AB, Lisse IM, Whittle H, Rodrigues A, Yazdanbakhsh M, Aaby P. Randomised trial of the effect on mortality of 50,000 IU vitamin A given with BCG vaccine to infants in Guinea-Bissau, West-Africa *BMJ* 2008; 336:1416-20.
59. **Benn CS**, Whittle H, Fisker A, Aaby P. Neonatal vitamin A supplementation in South Asia: Rapid implementation or understanding the variation? *BMJ Rapid responses* 2008;July 11
60. **Benn CS**, Martins C, Rodrigues A, Ravn H, Fisker AB, Christoffersen D, Aaby P. The effect of vitamin A supplementation administered with missing vaccines during national immunisation days in Guinea-Bissau *Int J Epidemiol* 2009; 38:304-11.
61. **Benn CS**, Lund S, Fisker A, Jørgensen MJ, Aaby P. Should infant girls receive micronutrient supplementation? *Int J Epidemiol* 2009; 38:586-90.
62. **Benn CS**, Fisker AB, Rodrigues A, Ravn H, Sartono E, Whittle H, Yazdanbakhsh M, Aaby P. Sex-differential effect on infant mortality of oral polio vaccine administered with BCG at birth in Guinea-Bissau. A natural experiment. *PLoS ONE* 2008; 3(12):e4056.
63. **Benn CS**, Rodrigues A, Yazdanbakhsh M, Fisker AB, Ravn H, Whittle H, Aaby P. The effect of high-dose vitamin A supplementation administered with BCG vaccine at birth may be modified by subsequent DTP vaccination. *Vaccine* 2009; 27: 2891-98
64. Aaby P, Ravn H, **Benn CS**. Poor control vaccines in two randomised trials of malaria vaccine? *Vaccine* 2009; 27(22):2914-5.
65. Aaby P, **Benn CS**. Assessment of childhood immunisation coverage. *Lancet* 2009; 373:1428.
66. Fine PEM, Williams TN, Aaby P, Källander K, Moulton LH, Flanagan KL, Smith PG, **Benn CS**. Epidemiological studies of the “non-specific effects” of vaccines: I - data collection in observational studies. *Trop Med Int Health* 2009;14(9):969-76. Epub 2009 Jun 15. Review.
67. Farrington CP, Firth MJ, Moulton LH, Ravn H, Andersen PK, Evans S; Working Group on Non-specific Effects of Vaccines. Epidemiological studies of the non-specific effects of vaccines: II--methodological issues in the design and analysis of cohort studies. *Trop Med Int Health* 2009; 14(9):977-85. Epub 2009 Jun 15. Review.
68. **Benn CS**, Aaby P, Nielsen J, Binka FN, Ross DA. Does vitamin A supplementation interact with routine vaccinations? An analysis of the Ghana Vitamin A Supplementation Trial. *Am J Clin Nutr* 2009, Jul 29. [Epub].
69. Martins C, Bale C, Garly ML, Rodrigues A, Lisse IM, Ravn H, Eriksson M, **Benn CS**, Whittle H, Aaby P. Girls may have lower levels of maternal measles antibodies and higher risk of subclinical measles infection before the age of measles vaccination. *Vaccine* 2009; 27:5220-5.
70. Villumsen M, Sørup S, Jess T, Ravn H, Relander T, Baker JL, **Benn CS**, Sørensen TIAS, Aaby P, Roth A. Risk of Lymphoma and Leukaemia after Bacille Calmette-Guérin and Smallpox Vaccination: A Danish Case-Cohort Study. *Vaccine* 2009; 27(49):6950-8.

71. Agergaard J, Lemvik G, Nante E, Helleberg M, Nielsen J, **Benn CS**, Aaby P, Østergaard L. Serological evidence for *Chlamydia pneumoniae* infection during the diphtheria-tetanus-pertussis booster vaccination. J Infect Dis Immun, in press.
72. Aaby P, Martins C, Bale C, Garly ML, Rodrigues A, Biai S, Lisse IM, Whittle H, **Benn CS**. Sex differences in the effect of vaccines on the risk of hospitalisation due to measles in Guinea-Bissau. Pediatr Infect Dis J 2009 Nov 19. [Epub ahead of print]
73. Kamper-Jørgensen M, **Benn CS**, Simonsen J, Thrane N, Wohlfahrt J. Clustering of acute respiratory infection hospitalizations in childcare facilities. Acta Paediatrica 2010; Feb 19. [Epub ahead of print]
74. **Benn CS**, Fisker AB, Napirna BM, Roth A, Diness BR, Lausch KR, Ravn H, Yazdanbakhsh M, Rodrigues A, Whittle H, Aaby P. Vitamin A supplementation and BCG vaccination at birth in low birthweight neonates: two by two factorial randomised controlled trial. BMJ 2010; 340:c1101. doi: 10.1136/bmj.c1101.
75. Roth A, **Benn CS**, Ravn H, Rodrigues A, Lisse IM, Yazdanbakhsh M, Whittle H, Aaby P. A randomised trial of the effect of revaccination with BCG in early childhood and mortality. BMJ 2010; 340:c671
76. Diness BR, Christoffersen D, Pedersen UB, Rodrigues A, Fischer TK, Andersen A, Whittle H, Yazdanbakhsh M, Aaby P, **Benn CS**. The effect of high-dose vitamin A supplementation with BCG vaccine at birth on infant rotavirus colonization and diarrhea. A randomized prospective study from Guinea-Bissau. J Infect Dis, in press.
77. Sartono E, Lisse IM, Terveer EM, van de Sande PJM, Whittle H, Fisker AB, Roth A, Aaby P, Yazdanbakhsh M, **Benn CS**. Oral polio vaccine influences the immune response to BCG vaccination. A natural experiment PLoS ONE, in press