

Resume

PhD Örjan Carlborg

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Personalia

Nationality: Swedish
Date of Birth: April 7, 1972
Marital status: Engaged, 3 children

Postgraduate positions

Dec 2005-present *Associate Professor, Linnaeus Centre for Bioinformatics, Uppsala University, Sweden*
Aug 2004-Dec 2005 Researcher, Linnaeus Centre for Bioinformatics, Uppsala University, Sweden
Sept 2002-July 2004 Post doctoral fellow, Knut and Alice Wallenberg fellowship, Roslin Institute, UK
May 1998-July 2002: PhD student, Department of Animal Breeding and Genetics, SLU, Sweden
February-May 1999: Guest research Department of Animal Science, University of New England, Australia.
January-May 1998: Research assistant Department of Animal Breeding and Genetics, SLU

Education

2002 *PhD in Molecular Genetics, Swedish University of Agricultural Sciences*
2002 *Graduate from National Graduate School in Scientific Computing*
1998 MSc in Agriculture (Agronom), Swedish University of Agricultural Sciences
1998 Graduate from Uppsala Graduate School in Biomedical Research

Others

- Invited talks at 9 international conferences and at 5 International Universities and Research Institutes
- 21 publications in peer reviewed journals since 1999
- Reviewer for 11 scientific journals and 3 Research granting organizations
- Currently main supervisor for 4 Post-Docs and 1 PhD student. Assistant supervisor for 2 PhD students
- Lecturer in genetics and QTL analysis on undergraduate and graduate level in Sweden, Denmark and UK
- EUYRI (European Young Research Investigator) Award in 2006
- The Royal Swedish Academy of Agriculture and Forestry (KSLA) price for an outstanding PhD thesis 2002
- 70 weeks of postgraduate courses, mainly in Genetics, Mathematics, Statistics and Scientific Computing

Selected Publications

1. Carlborg, Ö., Jacobsson, L., Åhgren, P., Siegel, P., Andersson, L. Epistasis and the release of genetic variation in response to selection. *Nature Genetics* 2006 38:418-20.
2. Carlborg, Ö. and Haley, C. *Epistasis: too often neglected in complex traits studies?* *Nature Reviews Genetics* 2004 5: 618-625.
3. Carlborg, Ö., De Koning, D.J., Manly, K.F., Chesler, E., Williams, R.W, & Haley, C.S. *Methodological aspects of the genetic dissection of gene expression.* *Bioinformatics.* 2005 21: 2383-2393.
4. Carlborg, Ö., Andersson, L., Kinghorn, B. *The use of a genetic algorithm for simultaneous mapping of multiple interacting quantitative trait loci.* *Genetics* 2000 155: 2003-2010
5. Jeon J-T., Carlborg O, Tornsten A, Giuffra E, Amarger V, Chardon P, Andersson-Eklund L, Andersson K, Hansson I, Lundstrom K, Andersson L. *A paternally expressed QTL affecting skeletal and cardiac muscle mass in pigs maps to the IGF2 locus.* *Nat Genet.* 1999 21:157-158