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Uddannelse

Ph.d. i Veterinær Mikrobiologi (Molecular epidemiological studies of *Campylobacter jejuni* in Danish broiler flocks), 2001.
Cand. brom. (Levnedsmiddelkandidat), Den kgl. Veterinær og Landbohøjskole (KVL), september 1993.
Matematisk-naturfaglig student, Herning Gymnasium, 1984.

Tidligere beskæftigelse

1/4 2012 – ?:

Pædagogisk IT-konsulent, IT-Projektafdelingen, Syddansk Universitet, Odense.

1/3 2008 – 31/3 2012:

E-læringskonsulent ved Syddansk Universitet, Odense.

5/11 2007 – 31/2 2008:

Produktspecialist ved Alphalyse A/S Odense.

1/1 2003-31/12 2006:

Forskningsadjunkt ved Bioinformatik-Centret, Københavns Universitet. Ansvarlig for forskning i bakterielle genomer.

Kursusleder for kurset Introduktion til bioinformatik, for studerende på bachelor-delen.

Barselsorlov 9/11 2005- 16/9 2006, derefter barselsorlov på deltid og arbejde en dag om ugen, arbejdet blev genoptaget på fuld tid 26/11 2006.

1/5 2001-31/12 2002:

Projektforsker ved Statens Veterinære Serumlaboratorium, København, og Center for Biologisk Sekvensanalyse, DTU, Lyngby. Forskning i biologisk sekvensanalyse af bakterielt genom.

1/7 1997-31/12 2000:

Ph.d. studerende ved Institut for Veterinær Mikrobiologi, KVL. Ansat ved Statens Veterinære Serumlaboratorium, Århus, i hele perioden. Forskning og feltarbejde til afklaring af smittespredning i fjerkræbesætninger.

1/2 1995-31/12 2000:

Mikrobiolog (Forsker), Statens Veterinære Serumlaboratorium, Afdeling for Fjerkræ, Fisk og Pelsdyr, Århus.

1/8 1994-1/2 1995:

Ammanuensis (undervisningsassistent), Institut for Veterinær Mikrobiologi, KVL.

1/11 1993-1/2 1994:

Tilsynsførende og sagsbehandler ved Levnedsmiddelkontrollen i Skovlunde (LEKO).

Supplerende uddannelse/kurser (udvalgte)

Evaluering af projekter, ved Prof. Peter Dahler Larsen, SDU, november 2012.

SMARTboard superbruger (det interaktive whiteboard og Smart NoteBook Software ver. 10.7), Solutors A/S, maj 2011

Projektlejledning og konsulentrollen, Syddansk Universitet, februar-juni 2011, se fagbeskrivelse.

E-moderating (facilitering af online læringsaktiviteter, e-tivities). All things in Moderation, oktober 2010.

Online mødeledelse og online undervisning, Futurecom Business Solutions i samarbejde med e-læring/SDU, juli 2009.

Assertionstræning, Praktikon/SDU, april 2008.

ASP.NET 2.0 Scient data, www.it-fjernundervisning.dk, februar 2008.

Adjunkt-pædagogikum, Naturvidenskabeligt Fakultet, Københavns Universitet, 2004.

Academic writing, Landbrugets center for efteruddannelse, Tune Landboskole, 1999.

English presentation techniques for academics, Landbrugets center for efteruddannelse, Tune Landboskole, 1998.

Seminar og øvelser i forelæsningsmetodik, Københavns Universitet, Institut for Filosofi, Pædagogik og Retorik, 1994.

Fritid

Familieliv med min datter, og samvær med gode venner.

Sejlsport bl.a. matchrace, både som gast og skipper.

Sejlerskoleinstruktør og kapsejladsinstruktør.

Svømning og løbetræning (motionsplan).

Publikationer

Liu, Y., Möller, M.C., Petersen, L., Söderberg, C.A.G., Hederstedt, L. 2010. Penicillin-binding protein SpoVD disulphide is a target for StoA in *Bacillus subtilis* forespores. *Molecular Microbiology*. 75:45-60.

Kjær, C., Christensen, I-M.F., Blok, R., Petersen, L. Anvendelse af webkonference på Syddansk Universitet – Erfaringer fra tre pilotprojekter. LOM, nr. 2 (http://www.forskningsnettet.dk/da/lom?q=da/lom_0209).

Petersen, L., Bollback, J., Dimmic, M., Hubisz, M. and Nielsen, R., 2007. Genes under positive selection in *Escherichia coli*. *Genome Research*, 17:1336-1343.

Jensen, K.T., Petersen, L., Falk, S., Nielsen, P., Andersen, P., Theisen, M., Krogh, A.S., 2006. Novel overlapping coding sequences in *Chlamydia*. *FEMS Microbiology Letters*, 265:106-17.

On, S.L.W., N. Dorrell, L. Petersen, D.D. Bang, S. Morris, S.J. Forsythe, B.W. Wren, 2006. Numerical analysis of DNA microarray data of *Campylobacter jejuni* strains correlated with survival, cytolethal distending toxin and haemolysin analysis. *International Journal of Medical Microbiology*, 296:353-63.

Skov, M.N., A. Spencer, B. Hald, L. Petersen, B. Nauerby, B. Carstensen & M. Madsen, 2004. The role of litter beetles for transmission of *Salmonella enterica* and thermophilic *Campylobacter* spp. between broiler flocks. *Avian diseases*. 48:9-18

Petersen, L., T.S. Larsen, D.W. Ussery, S.L.W. On & A. Krogh, 2003. RpoD promoters in *Campylobacter jejuni* exhibit a strong periodic signal instead of a -35 box. *Journal of Molecular Biology*. 326:1361-1372.

Petersen, L., S.L.W. On & D.W. Ussery, 2002. Visualization and significance of DNA structural motifs in the *Campylobacter jejuni* genome. *Genome Letters*. 1:16-25.

Petersen, L., E.M. Nielsen, J. Engberg, S.L.W. On & H.H. Dietz, 2001. Comparison of serotypes and genotypes of *Campylobacter jejuni* from Danish wildlife, poultry and human clinical cases. *Applied and Environmental Microbiology*. 67:3115-3121.

Petersen, L. & D.G. Newell, 2001. The ability of Fla-typing schemes to discriminate between strains of *Campylobacter jejuni*. *Journal of Applied Microbiology*. 91:217-224.

Petersen, L., E.M. Nielsen & S.L.W. On, 2001. Sero- and genotype diversity and hatchery transmission of *Campylobacter* spp. in commercial poultry flocks. *Veterinary Microbiology*. 82:141-154.

Petersen, L. & A. Wedderkopp, 2001. Evidence that certain clones of *Campylobacter jejuni* persist during successive broiler flock rotations. *Applied and Environmental Microbiology*. 67:2739-2745.

Nielsen, E.M., J. Engberg, V. Fussing, L. Petersen, C.H. Brogren & S.L.W. On, 2000. Evaluation of phenotypic and genotypic methods for subtyping of *Campylobacter jejuni* isolates from humans, poultry, and cattle. *Journal of Clinical Microbiology*. 38:3800-3810.

Petersen, L. & S.L.W. On, 2000. Efficacy of Flagellin gene typing for epidemiological studies of *Campylobacter jejuni* in poultry estimated by comparison with macrorestriction profiling. *Letters in Applied Microbiology*. 31:14-19.

Petersen, L. & M. Madsen, 2000. *Listeria* spp. in live broiler flocks. Recovery rates and species distribution investigated by conventional culture and the EiaFoss method. *International Journal of Food Microbiology*. 58:113-116.

Petersen, L., 1997. A comparison of EF-18 agar and modified brilliant green agar with lutensit for isolation of *Salmonella* from poultry samples. *Acta Vet. Scand.* 38:79-85.

Konferencebidrag

Petersen, L. E-assesment via Blackboard – what about cheating and plagiarism? Blackboard teaching and learning conference 2011, Leeds, UK.

Petersen, L. What can BB9 do for Danish university teaching? Blackboard teaching and learning conference 2010, Swansea, Wales.

Petersen, L. Brug af webkonference på Syddansk Universitet. Forskningsnetkonferencen 2009, LO-skolen, Helsingør, November 2009.

Petersen, L. Implementing Blackboard R9 at SDU, with focus on testing the system and user education. Blackboard Scandinavian user group meeting, Syddansk Universitet, oktober 2009.

Jensen, A.B., L. Petersen, L.M. Hansen & J. Eilenberg. Horizontal and vertical transmission of entomopathogenic fungi and endosymbiont bacteria in aphid populations (poster). Sip2004, Finland.

Petersen, L. & Krogh, A. Modelling the Rho-dependent transcription termination sites in the bacterium *Helicobacter pylori*. Abstract in session: Motifs, protein-protein interactions and proteomics (oral presentation) ECCB'2003 European Conference on Computational Biology. Paris, France, September 2003.

On, S.L.W., N. Dorrell, L. Petersen, D.D. Bang, S. Morris, S.J. Forsythe, D.W. Ussery and B.W. Wren. "The successful clone" revealed: genetic and phenotypic characteristics distinguish "low" and "high" risk *Campylobacter jejuni* strains. Abstract I-32 (poster) 12th International Meeting on *Campylobacter*, *Helicobacter* and Related Organisms. Århus, Denmark, September 2003.

Petersen, L., S.L.W. On & D.W. Ussery. DNA atlases for the *Campylobacter jejuni* genome. Abstract M-08 (oral presentation) 11th International Meeting on *Campylobacter*, *Helicobacter* and Related Organisms. Freiburg, Germany, September 2001.

Dang, B.D., L. Petersen, K. Pedersen & M. Madsen. Prevalence of different virulence, toxin genes, and CDT toxin activity of *Campylobacter jejuni* isolates from Danish wildlife, and evidence of the existence of a *C. jejuni* clone with high CDT toxin production. Abstract E-10 (poster) 11th International Meeting on *Campylobacter*, *Helicobacter* and Related Organisms. Freiburg, Germany, September 2001.

Petersen, L. & A. Wedderkopp. Genotyping of *Campylobacter jejuni* isolates from persistently infected broiler flocks in Denmark. Abstract S3-05 (oral presentation) 5th International Meeting on Bacterial Epidemiological Markers, Noordwijkerhout, The Netherlands, September 2000.

Petersen, L. & E.M. Nielsen. Genotypic diversity and variation of *Campylobacter jejuni* during infection of commercial poultry flocks. Abstract (oral presentation) Nordic PFGE meeting, Uppsala, Sweden, Januar 2000.

Petersen, L., E.M. Nielsen, H.H. Dietz & M. Madsen. Molecular epidemiology of *Campylobacter jejuni* in Danish poultry flocks and in Danish wildlife. Abstract CE51 (poster) 10th International Meeting on *Campylobacter*, *Helicobacter* and Related Organisms. Baltimore, Maryland, September 1999.

Petersen, L. & D.G. Newell. A comparison of two Fla-typing systems for *Campylobacter jejuni*. Abstract CE52 (poster) 10th International Meeting on *Campylobacter*, *Helicobacter* and Related Organisms. Baltimore, Maryland, September 1999.