

Curriculum Vitae

Personal data:

Name: Peter Astrup Christensen
 Birthday: 10.04.1973
 Citizenship: Danish
 Family stand: Married

Academic Work:

1994 Immatriculated at the University of Aarhus, Denmark.
 Study entrance: Chemistry-Biotechnology

1996-1997 Leave of absent
 Teaching in primary school

1998-2000 Experimental work for Master degree made in the Laboratory of Gene Expression, Department of Molecular and Structural Biology, University of Aarhus, under the supervision of associate professor Hans Christian Thøgersen.

September 2000 Master of Science in Molecular-Biology from the University of Aarhus, Denmark.
 Title of thesis:
 Binding and Mutational Analysis of Receptor-Ligand Interactions between Receptor-associated Protein or α_2 macroglobulin and Minimal Functional Units of Low-Density Lipoprotein Receptor-related Protein.

September 2000 Experimental work for Ph.D. study started in the company Nemod Immunotherapie AG in collaboration with the Max-Delbrück-Centrum für Molekulare Medizin (MDC), both located in Berlin-Buch, Germany.
 Subject: Lewis Y and various antibodies, which bind different epitopes on this carbohydrate structure.
 Supervisors: Dr. habil. Uwe Karsten (MDC, Berlin-Buch, and Nemod Immunotherapie AG), Professor Dr. Udo Heinemann (Professor at Freie Universität Berlin and group leader at MDC Berlin-Buch).

September 2003 Research assistant, Forschungsinstitut für Molekulare Pharmakologie (FMP), under Dr. Peter Schmieder.

May 2004 Research assistant, Department of life sciences, University of Aalborg, Denmark,
under Professor Dr. Daniel E. Otzen.

Publications:

Andersen, O. M., Christensen, L. L., **Christensen, P. A.**, Sørensen, E. S., Jacobsen, C., Moestrup, S. K., Etzerodt, M. & Thøgersen, H. C. (2000): Identification of the Minimal Functional Unit in the Low Density Lipoprotein Receptor-related Protein for Binding the Receptor-associated Protein (RAP). A conserved acidic residue in the complement-type repeats is important for recognition of RAP, *J. Biol. Chem.* 275, 21017-24.

Andersen, O. M., **Christensen, P. A.**, Christensen, L. L., Jacobsen, C., Moestrup, S. K., Etzerodt, M. & Thøgersen, H. C. (2000): Specific binding of α 2-macroglobulin to complement-type repeat CR4 of the Low-density Lipoprotein Receptor-related Protein, *Biochemistry* 39(35), 10627-33.

Goletz, S., **Christensen, P. A.**, Kristensen, P., Böhme, A., Tomlinson, I., Winter, G. & Karsten, U. (2002): Selection of large diversities of antiidiotypic antibody fragments by phage display, *J. Mol. Biol.* 315(5):1087-97.

Jensen, K.B., Larsen, M., Pedersen, J.S., **Christensen, P.A.**, Álvarez-Vallina, L., Goletz, S., Clark B.F.C., & Kristensen, P. (2002): Functional improvement of antibody fragments using a novel phage coat protein III fusion system. *Biochem Biophys Res Commun.* 298(4):566-73.

Larsen, M., Jensen, K.B., Suárez, E., **Christensen, P.A.**, Sanz, L., Löffler, A., Álvarez-Vallina, L., Goletz, S., Clark, B.F.C., & Kristensen, P. (submitted): Functionally Fused Antibodies – a novel adjuvant fusion system.

Schöber, U., Schneider, F., **Christensen, P.A.**, Block, A., Tandara, H., Stahn, R., Karsten, U., Kemmner, W., Baumeister, H., & Goletz, S. (submitted): Glycoengineering of cell lines for the generation of Thomsen-Friedenreich-based tumor vaccines

Ravn, P., Danielczyk, A., Jensen, K.B., Kristensen, P., **Christensen, P.A.**, Larsen, M., Karsten, U., & Goletz, S. (2004): Multivalent scFv Display of Phagemid Repertoires for the Selection of Carbohydrate-specific Antibodies and its Application to the Thomsen–Friedenreich Antigen. *J Mol Biol.* 2004 Oct;343(4):985-996.

Christensen, P.A., Danielczyk, A., Stahn, R., & Goletz, S. (2004): Simple separation of DNA in antibody purification. *Protein Expr Purif.* 2004 Oct;37(2):468-71.

Patents Granted:

Goletz, S., Christensen, P. A., Kristensen, P., Böhme, A., Tomlinson, I., Winter, G. & Karsten, U. (2001): A method for the isolation of large variances of specific molecules for a target molecule from phagemid gene libraries, and a test kit. Patent no.: DE10135039

Patents Filed:

Jensen, K.B., Larsen, M., Christensen, P.A., Löffler, A., Kristensen, P., Goletz, S. (2002) Active Fusionproteins and a method for their production. German patent application. P112801DE-Zie.

Goletz, S., Danielczyk, A., Karsten, U., Ravn, P., Stahn, R., Christensen, P.A. (2002) Tumorspezifische Erkennungsmoleküle. German patent application 102 56 900.2