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Paediatrics  
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## 1. Formal educational training

2002: Uddannelse for forskningsledere (research management course) CBC  
Ingen formel pædagogisk uddannelse.

## 2. Administrative tasks related to teaching

2001: Arrangør af Ph.D.-kurset "Collectins and collectin receptors in innate immunity" afholdt ved Institut for Medicinsk Biologi, Immunologi og Mikrobiologi, Odense Universitet, 30 foredrag/kollokvier (7. februar –11. april)  
2002 - 04: Undervisningsansvarlig for kursus i Immunologi på bachelor i medicin.  
2005: Medlem af planlægningsgruppen for den nye modul-baserede bacheloruddannelse i medicin (Modul 10, Forsvar og Angreb)  
2006: Medarrangør af Graduate school of Immunology årsmøde 2006  
2005 - 12: Medlem af bestyrelsen for Forskerskolen "Graduate school of Immunology"  
2009 - : Årlige statusmøder for Medicin og Biomekanik  
2009 - : Formand for IMM Undervisningsudvalg  
2011 - : Deltager i Strategiseminar om Uddannelse ved SUND  
2012 - : Årlige statusmøder for Farmaciuddannelsen

## 3. Experience of study programmes, supervisions and examinations

1986 : Svendborg Nurse School: Lung diseases and allergic diseases (10 lectures).  
1987 – 89 : Clinical tutor for medical students at the Department of Internal Medicine C, OUH.  
1989 – 93 : Practical course for medical students in bacteriology (27 h per term).  
1995 – 97 : Practical course for medical students in bacteriology (27 h per term).  
1994 – 96 : Lectures at the course BX10, Immunology for science students (4 lectures per term).  
1997 – 99 : Practical course for medical students in virology and immunology (18 h per term).  
2002 – 04 : Teaching responsible for the immunology course for medical bachelor students Managing the exams and question hours for the students (Blok 1; 6 – 10 lectures per term).  
2005 : Member of the planning group for the new module-based bachelor education in medicine and clinical biomechanics.  
2005 – : Module 10 "Defence and attack", bachelor medicine: (4 – 10 lectures in immunology per term)  
2014 - : BMB512: Immunology course for science students (4 - 8 lectures/course)

### Censorships

2004 – 10: Censor in immunology at University of Aarhus

### Supervisor functions

#### Post Docs

Cand.scient. Anders Schlosser (2004 - 2012)  
Cand.scient. Grith Lykke Sørensen (2004 – 7)  
Cand.scient. Helle Wolff (2010 - 14)  
Cand.scient. Jesper Møller (2010 – 18)

### Ph.D.-thesis

- 1) Cand.scient. Jens Madsen: "Establishment of an animal model for the characterization of the SP-D - gp-340 interaction and their role in the primary immune defence". June 2002.
- 2) Cand.scient. Søren Hansen: "Characterization of a novel bovine collectin, CL-46 and genomic characterization of CL-43 and conglutinin". August 2002.
- 3) Cand.scient. Jørn Grønlund: "Structural and functional characterization of a new transmembrane molecule (M130 related SRCR) belonging to the scavenger receptor superfamily". October 2002
- 4) Cand.scient. Rikke Leth-Larsen: "Structural , functional and clinical aspects of surfactant protein SP-D". August 2003.
- 5) Cand.scient. Grith Lykke Lyster: "The potential role of surfactant protein D in atherogenesis". December 2003.

- 6) Cand.scient. Thomas Krogh-Meibom: "The serum-collectins in cattle and pigs - variation in the serum levels in relation to infections and different physiological conditions". June 2004.
- 7) Cand.scient. Anders Schlosser: "Structural and functional aspects of the molecular interaction between the matrixprotein mikrofibril-associated protein 4 (MFAP4) and SP-D". September 2004.
- 8) Cand.med. vet. Charlotte Maria Sørensen (together with Ole Lerbjerg Nielsen, KVL). Porcine surfactant protein D. Purification, characterization, immunolocalization and aspects of pulmonary mucosa defence. Marts 2005.
- 9) Cand.scient. Dorte Holm: "Characterization of a novel scavenger receptor cysteine-rich type I transmembrane molecule expressed by natural killer cells and T-cells". December 2007.
- 10) Cand.scient. Silje Vermedahl Høgh: "Circulating Surfactant Protein D in Healthy Subjects, Rheumatoid Arthritis and Systemic Lupus Erythematosus Patients. Experimental and Clinical Studies" Oktober 2009.
- 11) Cand.med. Anne Friesgaard Christensen (together with Grith Sørensen and Peter Junker): "Aspect of collagen metabolism and innate immune defence in early rheumatoid arthritis". August 2009
- 11) Cand.scient. Dorte Fink: "The SCART proteins and their roles in innate immunity". Juni 2009.
- 12) Cand.scient. Theresa Thomsen: Characterization of FIBCD1 and the molecular basis of the interaction with its ligands. April 2010.
- 13) Cand.scient. Jesper Møller: "Characterization of CD163.L1 a novel myeloid cell lineage marker". October 2010.
- 14) Cand.scient. Lalit Dubey Kumar: "The pattern recognition receptor FIBCD1 in modulation of allergic immune response against *Aspergillus fumigatus*". December 2011
- 15) Cand.scient. Mark Hammond "Characterization of FIBCD1 as an endocytic receptor in the intestinal gut mucosa" Juli 2013. Current Ph.D.-students in the group
- 16) Cand.scient. Christine Schøler Jepsen "The role of FIBCD1 in regulation of the allergic response. Start November 2013.
- 17) Cand.med. Sebastian van Huth " The role of FIBCD1 in whipworm (*Trichuris*) infection in mouse and human. Start July 2015 -

#### **Graduated master students**

- 1) Cand.scient. Palle Holt: "Purification and characterization of murine MBP, and establishment of an animal model for the characterization of MBP in relation to viral and bacterial infection". February, 1993, grade: 13.
- 2) Cand.scient. Mette Lausen: "Purification and characterization of a 36 kDa collagen-binding protein from lung washings". June, 1997, grade: 13.
- 3) Cand.scient. Birgitte Fjendbo: "Characterization of four monoclonal antibodies directed against lung surfactant protein-A (SP-A) and establishment of assays for SP-A". March, 1998, grade 8.
- 4) Cand.scient. Jens Madsen: "Molecular characterization of murine gp-340 and tissue distribution of human SP-D". August, 1998, grade: 11.
- 5) Cand.scient. et stud. med. Susanne Gjørup Sækmose: "Characterization of the molecular interaction between lung surfactant protein D and its corresponding receptor gp-340". Marts 2000, grade: 11.
- 6) Cand.scient. Anders Schlosser: "Expression and characterization of recombinant human microfibril-associated protein 4". October 2000, grade: 11.
- 7) Cand.scient. Dorte Holm "Cloning and characterization of the murine analogue to M160 (CD163b) a novel human type I cell surface antigen mainly expressed by macrophages". November 2001, grade 13.
- 8) Stud.scient. Morten Gjersdorff: "Characterization of promotor variation in the human SP-D gene that predisposes low serum levels of SP-D". Januar 2003, grade 11.
- 9) Stud.scient. Belinda Dueholm: "Characterization of promotor variation in the conglutinin gene that predisposes low levels of conglutinin in serum". Januar 2004, grade 10.
- 10) Stud.scient. Brit Jessen: "Surfactant proteinD modulation of LPS induced inflammation in endothelial cells and in mouse circulation". Februar 2005, Grade 11.
- 11) Stud.scient. Theresa Thomsen: "Production and characterization of poly- and monoclonal antibodies against FReD-1". May 2005, Grade 13.
- 12) Stud.scient. Dorte Fink: "Expression and characterization of murine CD163c". September 2005, Grade 13.
- 13) Stud.scient. Maria Nielsen: Expression of CD163b/M160 in cells of the adaptive and innate immune system". November 2005, grade 10.
- 14) Stud.scient. Lana Selman (Lukic): Production of monoclonal antibodies against collectin placenta 1 (CL-P1) for tissue localization and functional studies. Februar 2007, grade 11.
- 15) Stud.scient. Jesper Møller: Expression, characterization and initial gene targeting of FReD-1, a novel acetyl-group binding type II transmembrane protein of the fibrinogen domain superfamily. Februar 2007, grade 13.
- 16) Stud.scient. Maria Abildgaard Steffensen: Cloning and characterization of human WC1-L1, March 2008, grade 10.
- 17) Stud.scient. Mark Hammond: Characterization of the intracellular pathway and cytokine response profile elicited by the innate pattern recognition receptor FIBCD1 by chitin. December 2009: grade 12.
- 18) Stud.scient. Martin Parnov Reichhardt: Ligand search for a novel myeloid cell lineage marker (CD163-L1). December 2009: grade 12.
- 19) Stud.scient. Anne Jepsen: " The molecular interaction between M- and L-ficolin and chitin". February 2010. Grade 12.
- 20) Stud.scient. Maria Reif Groving (together with Grith Sørensen): Disulphide bridge reorganization induced by alanine mutation in FIBCD1 coiled-coil region. December 2010. Grade 10.
- 21) Stud.scient. Gudlaug Kristmannsdóttir (together with Grith Sørensen): Microfibril-associated protein4(MFAP4) modulation of vascular smooth cell phenotype
- 22) Stud.scient. Christine Schøler Jepsen: " The role of FIBCD1 in regulation of the immune reaction against *Aspergillus Fumoigatus* October 2013 Grade 12

- 23) Stud.scient. Helle Gøtfred-Rasmussen: FIBCD1 in mouse models of Inflammatory Bowel Disease - Characterization of T cell subsets. May 2015 (Grade 10)
- 24) Stud.scient Kimmie Bjerre Christiansen: Immunologisk karakterisering af transgene mus som overudtrykker FIBCD1 i tarmsystemet. October 2016 (Grade ?)

#### **Prægraduate research students**

- 1) Stud.med. Anne Lindegaard: "Purification and characterization of Ebnerin and production of recombinant forms of Ebnerin", 23. april 2004.
- 2) Stud.med. Thomas Ulstrup: "The molecular interaction of the collectins with the matrix protein fibronectin", 23. november 2004.
- 3) Stud.med. Anders Helmer Rasmussen. "Surfactant protein D i ascitesvæsken hos patienter med alkoholisk cirrose og spontan bacterial peritonit eller steril ascites". Sammen med overlæge Troels Havelund, Medicinsk afdeling S. 7. april 2005.
- 4) Stud.med. Jacob V. Stidsen: "Surfactant protein D & development of obesity", 26. juni 2006.
- 5) Stud.med. Martin Rahbek: The role of surfactant protein D in the CNS regulation of energy intake. 16. May 2008
- 6) Stud.med. Josephine Rattenborg: "Oral chitin regulation of the allergic response and establishment of the ovalbumin allergy model in mice" 28. November 2013
- 7) Stud.med. Johannes David Fuchtbauer FIBCD1 deficiency attenuates oxazolone-induced colitis. 20. August 2014
- 8) Stud.med. Laura Kampp Thomsen FIBCD1 Deficiency Modulates Inflammatory Airway Responses in a Mouse Model of Allergic Asthma. 20. August 2014

#### **Graduated bachelor students**

- 1) Stud.scient. Lars Poulsen: "Genomic characterization of collectin-43". August, 1996 (Grade 10).
- 2) Stud.scient. Anders Schlosser: "Characterization of three monoclonal antibodies directed against human lung surfactant protein D (SP-D) and establishment of assays for detection of SP-D". August, 1997, grade 11.
- 3) Stud.scient. Dorte Holm: "Genomic characterization of collectin-43". September, 1997, grade 13.
- 4) Stud.scient. Morten Gjerstorff: " Production of a recombinant murine SP-D fusion protein". November 2000, grade 11.
- 5) Stud.scient. Jens Kofoed: "Genomic characterization of the Arenicola Marina lectin AML-1". March 2001, grade 10.
- 6) Stud.scient. Mette Stæhr: Expression of CD163b scavenger receptor cysteine rich domain 1 and 1-3. april 2003, grade 10.
- 7) Stud.scient. Theresa Thomsen, Production of recombinant CL-L1 fusion protein. Marts. 2003, grade 11.
- 8) Stud.scient. Martin Larsen: Expression and purification of human collectin placenta 1, CRD-region in an E. Coli expression system. Januar 2004. Grade 10.
- 9) Stud.scient. Luna Lukic, oktober 2004. Analysis of the oligomerization of surfactant protein D (SP-D) by site directed mutagenesis. Grade 10.
- 10) Stud.scient. Rikke Svava: "Production of recombinant mWC1". May 2005, grade 10. 11) Stud.scient. Maria Abildgaard Steffensen: siRNA based analysis of SP-D regulation of inflammatory markers in endothelial cells. May 2005. Grade 10.
- 12) Stud.scient. Helle Vinsløv Hansen: CL-P1 knock-out. May 2006. Grade 10.
- 13) Stud.scient. Maria Arge CL-11 expression in adrenal cell lines. February 2007. Grade 10.
- 14) Stud.scient. Sara Hougaard Pedersen. Expression and characterisation of FReD-1 cytoplasmic tail mutants. August 2007. Grade 10.
- 15) Stud.scient. Simon Hermansen ITEK Grade 10. August 2007 Stud.scient. Lasse Toftdal Dynesen: "Selection and validation of differentially expressed genes in FIBCD1 wild-type and mutant overexpressing A549 cells" July 2015 Grade 10.
- 16) Stud.scient Mette Elverdam: "Selection and validation of differentially expressed genes in FIBCD1 wild-type and mutant overexpressing A549 cells. July 2015 Grade 9.
- 17)

#### **Erasmus students**

- 1) Stud.scient. Rosano Bruno: FIBCD1 and immune response against Aspergillus fumigatus. Italian master thesis 2015
- 2) Stud.scient. Benita Buragaite "Signalling pathways involved in FIBCD1 regulation of epithelial cell induced inflammation" Universiteto Vilnius Visiting scientist Cand.scient. Esther Carrasco, University of Barcelona 2013 three month

#### **Fordybelsesopgaver**

- 1) Stud.med. Sanne Veng Christiansen: "Medfødt immunitet i tarmslimhinden hos børn med cøliaki" August 2005. Grade 13.

#### **Teknisk diplom i bioteknologi, proces teknologi og kemi**

- 1) Laborant Louise Frandsen: Anti-inflammatorisk effect af to forskellige alpha-MSH analoger på det akutte inflammatoriske cytokin respons i endotoksiske rotter, 13 March 2008. Grade 10.

