**Universitetet i Bergen**
Det medisinsk-odontologiske fakultet

Styresak: 98/16

Sak nr.: 2016/5015

Møte: 26.10.2016

## OPPNEVNING AV BEDØMMELSESKOMITÉ - FØRSTEAMANUENSIS (INNSTEGSSTILLING) VED DET MEDISINSK-ODONTOLOGISKE FAKULTET

Innen fristen 1. september 2016 kom det inn trettifire (34) søknader til den midlertidige stillingen som førsteamanuensis (innstegsstilling) i seks (6) år ved Det medisinsk-odontologiske fakultet, Universitetet i Bergen.

Etter forslag fra instituttene oppnevner fakultetet følgende sakkyndige komité til å vurdere søkernes kompetanse for stillingen:

*Professor Kirsti Ytrehus, anatomi og cellebiologi, UiT - Norges arktiske universitet*
*Professor Else Marie Pinholt, kjevekirurgi, Syddansk Universitet*
*Professor Ellisiv Mathiesen, nevrologi, UiT - Norges arktiske universitet*
*Professor Christian Aalkjær, hjerte-kar, integrert fysiologi, Aarhus Universitet*

Administrator foreslås oppnevnt på fullmakt fra styret ved Det medisinsk-odontologiske fakultet.

Alle fire er forespurte og har sagt seg villig til å ta på seg oppdraget.

## FORSLAG TIL VEDTAK:

1. Styret ved Det medisinsk-odontologiske fakultet vedtar å oppnevne følgende personer som sakkyndig komité for å vurdere søkerne til stillingen som førsteamanuensis (innstegsstilling) ved Det medisinsk-odontologiske fakultet: Professor **Kirsti Ytrehus**, professor **Else Marie Pinholt**, professor **Ellisiv Mathiesen** og professor **Christian Aalkjær**.

2. Styret ved Det medisinsk-odontologiske fakultet gir visedekan for forskerutdanning Roland Jonsson fullmakt til å finne en administrator for komiteen.

Inger Hjeldnes Senneseth
fakultetsdirektør

Marianne Bø Larsen
seksjonsleder rekruttering

11.10.2016 /IVØI

Vedlegg: CV fra Else Marie Pinholt
CV fra Christian Aalkjær
CV fra Ellisiv Mathiesen ettersendes/legges fram i møte
CV fra Kirsti Ytrehus ettersendes/legges fram i møte

# Christian Aalkjær

**Personal data**

Born: August 9 1954, Denmark
Present occupation: Professor of physiology

**Education and employments**

2014 - Professor, Department of Biomedicine, Copenhagen University
2011 – Professor, Department of Biomedicine, Aarhus University
1998-2011 Professor, Institute of Physiology, Aarhus University
1988-1997 Associate professor, Institute of Pharmacology, Aarhus University
1981-1988 Assistant professor, Institute of Biophysics Aarhus University
1981 Final University Examination in Medicine, Aarhus University

**Sabaticals**

1986 Department of Medicine, Leicester University, Leicester, UK
1992 Dept Clinical Pharmacology, St. Mary's Hospital, Imperial College, London, UK
1997 Dept. Molecular and Cellular Physiology, Yale University, New Haven, USA

**Doctoral thesis**

1989 Some aspects of sodium metabolism in arterial resistance vessels

**Selected honors**

1988 Demuth Award, The International Society of Hypertension
1989 ICI Award, Danish Hypertension Society.
1998 Novo Nordisk Prize joint with professor dr. med. MJ Mulvany.
2002 Teacher of the year, Medical Faculty, Aarhus University
2008 Teacher of the year, Medical Faculty, Aarhus University

**Named lectures**

2014 Hopfer lecture, Case Western Reserve University, Cleveland, USA
2017 August Krogh lecture, International Society of Physiological Sciences, Rio de Janeiro.

**Positions of trust**

*Evaluator:*
Welcome Foundation, UK; INSERM, France, Chairman evaluation panel Lunds University, Sweden. Evaluation of 15 Ph.D. theses in Denmark, Norway, Sweden, UK and Holland.

9 years Member of the Danish Heart Foundation Research Committee
7 years Member of the board of the Danish Hypertension Society
7 years Member of the board of European College of Cardiovascular Research.
4 years Member of the International Panel, British Heart Foundation Studentship Programme
3 years Member of the Cardiovascular panel, Swedish Research Council

**Leadership experience**

1990- Leader of research group with 5-15 members.
2007- 2011 Member of board for Institute for Physiology, Aarhus University
2001- 2010 Member of board of the "Water and Salt Research Centre", the Danish National Research Foundation

2005- Board member Danish Academy for Cardiovascular Research
2009-2014 Leader of the graduate program of cardiovascular research, Aarhus University

**Scientific Publications**
A total of 186 peer-reviewed papers, 2 editorials, 33 reviews articles and 151 original research papers. H-index (Web of Science) 42, total citations 7686, about 450 per year.

**Research interests**
I worked on the function and structure of resistance arteries in hypertension. Important achievements were establishing the isolated human artery preparation, which is now adopted by many laboratories worldwide. I demonstrated important structural and functional changes in resistance arteries from hypertensive individuals. For this I received the Novo Nordic Prize. Under the influence of JC Skou, I developed an interest in $Na^+$ coupled ion transporters. This led to the discovery of a novel transporter, co-transporting $Na^+$ and $HCO_3^-$. Later I described another anion transporter the cGMP dependent, $Ca^{2+}$ activated $Cl^-$ channel – this was also a first description.

**Teaching**
**Pregraduat**
Because I have been employed at different Institutes I have been teaching biophysics, pharmacology and physiology to medical, dental and bio-engineers.

In addition I have been supervising 14 medical students in a 1 year research training program and 6 master thesis students in biology.

**Postgraduat**

**Ph.D. students**
Developed a 3 days course on basic research methodology (taught 10 times). Taught at courses on ion-transport and on smooth muscle.
Taught at 24 A-courses in internal medicine, clinical physiology and dermatology and at 18 postgraduate courses on hypertension and blood vessels.

Contributed to the development of a course on myography and taught doctors, pharmacists, biologists and technicians from different countries at 31 courses

**Main supervisor**
6 postdoctoral fellows and 18 Ph.D. students

# Curriculum Vitae Else Marie Pinholt (February 2016)

*Name*: Else Marie Pinholt *Born*: July 18 1951 in Varde, Denmark
*Address*: Langkaervej 10, Tved, 8420 Knebel *Phone*: +45 86170711
*Work address*: University of Southern Denmark, Institute of Regional Health Research, Campusvej 55, 5230 Odense & Hospital of South West Denmark, Finsensgade 35, 6700 Esbjerg *Phone*: +45 79182192
E-mail: empinholt@health.sdu.dk *Cell number*(work): +45 40161358

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**Academic background**

1976*: Cand.odont.*: Royal Dental College, Aarhus, Denmark.
1982-86*: Specialist-education in maxillo-facial surgery*: Department of Oral & Maxillofacial Surgery, University of Minnesota, Minneapolis, U S A, (Chief resident 1985-86) &
1986-87: Zentralkrankenhaus, Bremen, Germany.
1987-90*: Research fellow*: Institute for Clinical Research, Rikshospitalet, University of Oslo.
1988*: Master of Science Degree (M. Sci.)*: University of Minnesota, Minneapolis, U S A.
1992*: Doctor odontologiae (dr.odont.):* University of Oslo, Norway: ISBN 82-992378-0-7
2000*: Diploma in Health Sector Management*: University of Southern Denmark.

**Scientific Qualifications:**

1990: Assistant professor, Institute of Odontology , University of Copenhagen.
1991: Associate Professor, Institute of Odontology & University Hospital, University of Copenhagen.
1997: Professor qualification, University of Bergen, Norway.
2007: Professor, University of Copenhagen.
2015: Professor, University of Southern Denmark.

**Administration:**

2014– 2007**:** *Chairman & Professor:* Section of Oral & Maxillofacial Surgery, Institute of Odontology, Faculty of Health & Medical Sciences, University of Copenhagen.
2008 – 2007**:** *Vice Institute leader*: Institute of Odontology, Univ of Copenhagen, budget (100 mill dkr)
2007 – 2003**:** *Director of Research*: Section of Oral & Maxillofacial Surgery, at Viborg County Hospital & at Foulum Agricultural Research Center, Denmark.
2003 - 1994: *Director & Chief Surgeon***:** Department of Oral & Maxillofacial Surgery, Vejle Hospital.
1994 - 1990**:** *Associate Professor***:** Institute of Odontology, University of Copenhagen.

**Membership of committees**:

2017-2013**:** *Co-PI, PMT member***:** UCPH 2016 Excellence-program CoNEXT, ( budget 28 mill ).
2014-2011: *Vice-chairman*, University of Copenhagen PhD-school program:“ Skeletal Science”.
2014-1999: *Board member*, Danish Health Council, Oral & Maxillofacial Surgery committees
2009- : *Chairman*, Steering-group “AMETO -Regionstandpleje database”, the Danish Health Council
2007 : *Co- founder*: The Bone Unit of Copenhagen University.
2007-2004: *Board member*, Good Clinical Practice audition, University of Århus
1999-1993: *Board member*, The Danish Bone Society
1998-1996 : *Appointed board member*, The Danish Ministry of Education, Council Higher Education Evaluation

**Scientific evaluation activities**:

2013-1984: Scientific international/national committees: Professorships x 7, PhD-degree x 3.
2016-**:** Principal Supervisor: 9 PhD students,75 Bachelor-,52 Master students, 5 Research Scholars
1998-: Scientific Editorial board member**:** Clinical Implant Dentistry and Related Research
2015-1998: Scientific Editorial reviewer: J of Infection, J Orthopedic Research, J Bone & Joint Surgery,J Biomedical Research, J Dental Traumatology, Journal of Oral & Maxillofacial Surgery.

*PhD- students*:

- Eirik Solheim, MD, University of Oslo, Norway: “Effects of Bioerodible Polyorthoester on Heterotopic and Orthotopic Bone Induction in Rats”, Oslo & Hagavik, 1992. ISBN 82-992717-8-9. (CO-supervisor)

- Kjartan Arctander, MD, DDS, University of Oslo, Norway: “ Guided Tissue Generation in the Facial Skeleton”. 1994- 1995: Unfinished due to

illness.

- Merete Aaboe, DDS, University of Copenhagen, Denmark: “Styret knogle regeneration ved anvendelse af nedbrydelige og ikke-nedbrydelige membraner” , Copenhagen, 1995 (Co –principal supervisor).

- Camilla Albeck Neldam, DDS, University of Copenhagen, Denmark:” Synchrotron µCT evaluation of microarchitecture of peri-implant hard tissues”. Ongoing 2011 – 2016. (co-principal supervisor)

- Morten Dahl, DDS, University of Copenhagen, Denmark: “ Mesenchymal stem cell osteoblast mineralization”. Ongoing 2013 – 2015. (Co-principal supervisor)

- Vlad Florescu, DDS, University of Copenhagen; Denmark:” AMETO dental aplasia database evaluation”. Ongoing 2013 – 2017.(Principal supervisor)

- Jesper Jared Olsen, DDS, University of Southern Denmark: “Prediction of Bleeding in Oral & Maxillofacial Surgery”. Ongoing 2013 -2016.(Principal supervisor)

- Morten Dahl, DDS, University of Copenhagen, Denmark: “Synchrotron µCT evaluation in adipose mesenchymal stem cell derived bone and blood vessels: Ongoing 2013 –2016 (Co-principlar supervisor)

- Sirwan Gurani; DDS, University of Southern Denmark:” Effect of head & tongue posture on CBCT and MRI evaluation”

**Grants:** 2016 - : Ph D grants for 6 PhD students covering salary and tuition at University of Copenhagen /SDU

2013 - 2016: Co – PI on: University of Copenhagen Excellence Programme: “Fertilizing the ground and harvesting the full potential of the new neutron and X-ray research infrastructures close to Copenhagen University” - CoNeXT – part of interdisciplinary research grant of 28 mill Dkr – www.CoNeXT.ku.dk

2013: European Radiation Synchrotron Facility, Grenoble, France: In international competition, beamtime for 4 days = 500.000 Dkr

2011: Astra tech, Sweden: Five year evaluation of clinical reconstruction and implant survey,170.000kr

2009 : Astra Tech, Sweden: Scholarship one year, 165.000kr.

2009 - : Economical support from Industry: Degradable Solutions , Schlieren, Schweiz: Histology - , beamtime-, travel-, PhD school –tuition expenses ( until now = 400.000 kr)

2009: Danish Scientific Research Council: Research grant for scholar (09-067289) , 430.000 Dkr
2006: Viborg County: Research grant AMETO database project, 70.000 Dkr
2005: Astra Tech, Sweden: Research Grant, 200.000 Dkr, pig/goat study Foulum Research Center
2003: Vejle Sygehus, Udviklingsrådet: Projektstøtte “ Rtg af rekonstruktions patienter” , 100.000 Dkr
1994: Dandy , Vejle, Denmark**:** Research grant**.** 75.000 Dkr
1992: Danish Scientific Research Council**: D**epartment of Oral & Maxillofacial Surgery, University of Copenhagen, Denmark : Research grant , 200.000 Dkr yearl, 1992+1993
1991: Astra Tech, Sweden**:** Research grant. 30.000 Dkr. 1. prize in oral implantology.
1990- 1987: University of Oslo, Norway**:** Research grant as a fellow at the Norw. Scient Res Ass
1982: Højgårds Foundation, Copenhagen, Denmark**:** Travel- and Research grant. 40.000 Dkr.

**Publications:** 77 peer-reviewed articles, 1 book – chapter. H-index: 22

Publications within last 4 years:

Dahl, M., Syberg, S., Jørgensen, N. R. & Pinholt, E. M. Adipose derived mesenchymal stem cells - Their osteogenicity and osteoblast in in vitro mineralization on titanium granule carriers.
J of Cranio-Maxillofac Surgery. 2013; 41: 213 – 220.

Dahl, M., Syberg, S., Jørgensen, N. R. & Pinholt, E. M. Carriers in mesenchymal stem cell osteoblast mineralization - STATE-OF-THE-ART.
Journal of Cranio- Maxillofacial Surgery. 2014; 41-7 .

Neldam CA, Pinholt EM. Synchrotron µCT Imaging of Bone, Titanium implants and Bone Substitutes. - a Systematic Review of the Literature.
J Cranio Maxillofac Surg 2014;42;6: 801-01.

Olsen JJ, Thorn J, Pinholt EM. Nerve Lesions Following Apical Extrusion of Non-Setting Calcium Hydroxide: A Systematic Case Review and Report of Two Cases.
J Cranio-Maxillofac Surg 2014,42;6: 757-62.

Knudsen TB, Lauland AS, Ingerslev J, Homoe P, Pinholt EM. Improved AHI and Lowest Oxygen Saturation after Maxillomandibular advancement with or without counterclockwise rotation in patients with Obstructive Sleep Apnea: A Meta-Analysis.
J Oral Maxillofac Surg, 2015;73:256-67.

Neldam AC, Rack A, Lefolii TT,Lauridsen T, Feidenhansl' R, Jørgensen NB, Pinholt EM. Application of High Resolution Synchrotron Radiation micro-CT in Dental Implant Osseointegration.
J Cranio- Maxillofac Surg. 2015; 43:682-687

Verket A, Lyngstadaas PS, Pinholt EM, Mertens C, Haanæs HR , Wall G, Wallström M, Rasmusson L. Titanium Granules for Augmentation of the Maxillary Sinus - A Multicenter Study.
Clin Impl Dent Rel Res. 2015,17:Issue suppl S2, e 594-e600. . doi: 10.1111/cid.12291

Olsen JJ, Skov J, Ingerslev J, Thorn J, Pinholt EM. Prevention of bleeding in orthognatic surgery : a systematic review and meta-analysis of randomized controlled trials.
J Oral Maxillofacial Surgery 2016;74:139-150.

Marcussen KM, Laulund AS, Jørgensen HL, Pinholt EM. A Systematic Review on effect of Single Dose Pre-operative Antibiotics at Surgical Osteotomy Extraction of Lower Third Molars.
J Oral Maxillofacial Surg 2016; 74: 693-703.

Gurani SF, Gabriele Di Carlo, Cattaneo PM, Thorn JJ, Pinholt EM. Effect of head and tongue posture on the pharyngeal airway dimensions and morphology in three- dimensional imaging: a systematic review.
J Oral Maxillofacial Res 2016; 31: 7- 11.

Olsen JJ, Ingerslev J, Thorn J, Pinholt EM, Gram JB, Sidelmann JJ. Can preoperative sex related differences in hemostatic parameters predict bleeding in orthognathic surgery?
J Oral Maxillofacial Surg 2016; 74: 1637-42

Florescu V, Kofod T, Pinholt EM . Intermaxillary Fixation Screw Morbidity in Treatment of Mandibular Fractures-A Retrospective Study. J Oral Maxillofac Surg. 2016 Sep;74(9):1800-6. doi: 10.1016/j.joms.2016.04.018. Epub 2016 Apr 25