

# Academic Curriculum vitae

**Jens Kastrup MD DMSc Professor**

**Date of Birth: May 11, 1951.**

## Training:

1980 M.D. University of Copenhagen.  
1994 Specialist in Cardiology  
1995 Specialist in Internal Medicine

## Doctoral dissertation

1988 Doctor of Medical Sciences (DMSc.), University of Copenhagen. " The diabetic arteriole: The impact of diabetic microangiopathy on microcirculatory control"

## Relevant appointments:

1996 - Chief Physician at Dept. of Cardiology, The Heart Centre, Rigshospitalet  
2005 - 2010 Clinical Associate Professor at the University of Copenhagen (50% research and 50% patients care)  
2010 - Clinical Professor in Cardiology/Translational Medicine – Regenerative gene- and stem cell therapy within Cardiology at the University of Copenhagen.

## Present and recent administrative functions

2001 - Member of the Research Council of the Heart Centre and chairman since 2005.  
2001 - 2010 Member of the Research Council at Rigshospitalet  
2006 - 2010 Danish member of the Gene Therapy Working Party, EMEA, London, GB  
2006 - 2009 Member of the board of the Danish Society of Cardiology.  
2007 – 2009 Chairman of the Research Council at Rigshospitalet.  
2007 – 2010 Member of the Strategic Research Council in the Capital Region of Denmark  
2007 - Member of the board of the Danish Society for Stem Cell Research  
2008 - 2016 Member of the Research Council of the Faculty of Health Sciences, University of Copenhagen.  
2008 - Member of the Capital Region of Denmark European Union Advisory Board  
2017 - Board member of the ESC Working Group on Cardiovascular Regenerative and Reparative Medicine

## Research awards

2003 The Danish Society of Cardiology Scientific Research Award  
2010 Niels Alexander Lassen Foundation Research Award  
2012 Family Hede Nielsen Research Award.  
2017 Fourth Madrid Cardiovascular Stem Cell Therapy Prize For Clinical Science in Stem Cells and the Heart.

## Academic Work:

Scientific referee of 21 Doctor of Medical Sciences and Ph.D. theses and four professorships.  
Lecturer for PhD students and medical students since 2002. Editor Textbook in Medicine 2012, FADLs Forlag and Læge- and Patienthåndbogen, Sundhed.dk

**Scientific Work:**

Author or co-author of 285 publications in International and Danish Journals, and books. Speaker at >140 national and international conferences or symposia. 1. Author in 46 publications and last author in 119 publications. H-index: 45. Total citations 7263 (Web of Science)

**Main scientific supervisor for:**

Five finalised Doctor of Medical Sciences, eleven PhD theses, three PhD-students and several Oswald/Bachelor and Master Candidate projects.

**Patents**

A European patent (No. PA 2008 00089 'Classification of individuals suffering from cardiovascular diseases according to survival prognoses as found by measuring the levels of biomarker YKL-40') was issued on 23 January 2008 and is exclusively licensed to Jens Kastrup.

A patent application "STEM CELL THERAPY BASED ON ADIPOSE-DERIVED STEM CELLS" (20440PCT00 - Publication WO 2017-068140 - 10051711 05501) is presently in the national patent application phase in several countries. Jens Kastrup is one of the three inventors.

**Major grants**

2015 Horizon2020 grant. 6 Million Euro to the international multicentre stem cell SCIENCE trial  
2017 Innovation Fond Denmark 25 million DKK to a Stem cell Centre.

**Established researchprograms**

From 1988 – 2001 I established and were the leader of a research facility to investigate central end peripheral nervous and structural changes regulation of blood flow in skeletal muscle, subcutaneous and cutaneous tissue in patients with heart failure and cardiac transplanted patients. Three Doctor of Medical Sciences and one PhD theses was finalised from the laboratory.

From 2001 I have established a Cardiology Stem Cell Centre, which has the necessary equipment for stem cell isolation, growth and characterization, and a tissue center with a stem cell culture facility, which is approved by the Danish Medicines Agency for stem cell culture expansion for clinical trials. We have established several clinical trials with culture expanded mesenchymal stromal cells, genes and medical bone marrow mobilization of stem cells in patients with acute and chronic ischemic heart disease and heart failure patients. One Doctor of Medical Sciences and five PhD theses has been finalised from the laboratory.

The entire research group consists currently of 15 members (9 post-doctoral fellows, 3 Ph.D.-students, 4 technicians and 2 research study nurses).