

# Prof. Dr. med. Frank Martin Brunkhorst

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Senior Physician for Internal Medicine and Head of Clinical Trials  
Center, Department of Anesthesiology and Intensive Care  
Medicine, University Hospital of Jena  
Erlanger Allee 101, D-07747 Jena  
☎: +49 (0) 36 41 – 9 32 33 81 / 84  
✉: frank.brunkhorst@med.uni-jena.de

## Curriculum vitae

- 12/2008 Call request for the endowed Paul-Martini-Professorship for Clinical Sepsis Research, Friedrich-Schiller-University, Jena
- 2008 Habilitation, Friedrich-Schiller-University, Jena
- since 2008 Clinical Trials Coordinator, PROGRESS Study Group, BMBF 01KI07111, BMBF 01KG0701
- since 2002 Clinical Trials Coordinator, Competence Network Sepsis (SepNet), BMBF 01KI0106
- since 2002 Clinical Trials Coordinator of other publicly funded projects: TMWFK B-309-00014, TMWTA B-309-04002, TMWTA-IZKF B-309-04002, European Union, QLK2-CT-2000-00589, European Union, FP7-HEALTH-2007-3.5-3
- 1999 Doctorate, German Heart Center, Berlin
- 1999 Consultant in Medical Intensive Care Medicine (diploma)
- 1998 Consultant in Emergency Medicine (diploma)
- 1997 Consultant in Internal Medicine (diploma)
- Since 2001 Senior physician, Department of Anaesthesiology and Intensive Care Medicine, University Hospital, Jena
- 1999 - 2001 Senior physician, Medical Intensive Care Medicine and Cardiology, Department of Cardiology and Medical Intensive Care Medicine, University affiliated Emil-von-Behring-Hospital, Berlin
- 1992 - 1999 Senior physician, Medical Intensive Care Medicine and Cardiology, Department of Cardiology and Medical Intensive Care Medicine, University affiliated Hospital Neukölln, Berlin
- 1987 - 1992 Residencies Internal Medicine, Cardiology, Hematology, Oncology and Intensive Care Medicine, University affiliated Hospital Neukölln, Berlin
- 1980 - 1986 Medical school, Universities of Heidelberg and Berlin

## Research fields

- Epidemiology of infectious diseases and sepsis
- Diagnosis of infectious diseases and sepsis
- Antimicrobial therapy in infectious diseases and sepsis
- Supportive and adjunctive therapy of sepsis
- Coagulation disorders/DIC in the critically ill
- Neuroendocrine disorders and metabolic control in the critically ill
- Initiation, development and management of large scaled investigator-initiated multicenter randomized controlled trials (Academic Research Organization)

## Awards

- 2005 Award of the German Federal Cross of Merit by the President of the Federal Republic of Germany for clinical and scientific work in the field of severe infections and sepsis

## Activities in scientific community

- since 2008 Chairman of the self-help group German Sepsis Aid (GSA)
- since 2007 Board member of the German-Austrian Society of Medical Intensive Care Medicine and Emergency Medicine (DGIIN)
- 2005 Scientific Manager of the biannual Congress of the German Interdisciplinary Association of Intensive Care Medicine (DIVI)
- since 2003 Scientific manager of the biannual Congress Sepsis and Multiorgan Dysfunction of the GSS

since 2001 General Manager of the German Sepsis-Society (GSS)  
since 2001 Member of the section Sepsis and Inflammation (SIS) of the European Society of Intensive Care Medicine (ESICM)

### 10 selected Publications (2007-2008):

- 1) Beale R, Reinhart K, **Brunkhorst FM**, Dobb G, Levy M, Martin G, Martin C, Ramsey G, Silva E, Vallet B, Vincent JL, Janes JM, Sarwat S, Williams MD for the PROGRESS Advisory Board. PROGRESS (Promoting Global Research Excellence in Severe Sepsis): Lessons from an International Sepsis Registry. *Infection* 2009 (in press)
- 2) **Brunkhorst FM**, Engel C, Bloos F, Meier-Hellmann A, Ragaller M, Weiler N, Moerer O, Gruendling M, Oppert M, Grond S, Olthoff D, Jaschinski U, John S, Rossaint R, Welte T, Schaefer M, Kern P, Kuhnt E, Kiehntopf M, Hartog C, Natanson C, Loeffler M, Reinhart K for the German Competence Network Sepsis (SepNet): A Trial of Intensive Insulin Therapy and Pentastarch Resuscitation in Severe Sepsis. *New Engl J Med* 2008 Jan 10;358(2):125-39
- 3) Engel C, **Brunkhorst FM**, Bone HG, Brunkhorst R, Gerlach H, Grond S, Gruendling M, Huhle G, Jaschinski U, John S, Mayer K, Oppert M, Olthoff D, Quintel M, Ragaller M, Rossaint R, Stuber F, Weiler N, Welte T, Bogatsch H, Hartog C, Loeffler M, Reinhart K. Epidemiology of sepsis in Germany: results from a national prospective multicenter study. *Intensive Care Med* 2007 Apr;33(4):606-18.
- 4) Sakr Y, Burgett U, Nacul FE, Reinhart K, **Brunkhorst FM**. Lipopolysaccharide binding protein in a surgical ICU; a marker of sepsis ? *Crit Care Med* 2008 36(7):2014-22.
- 5) **Brunkhorst FM**, Engel C, Ragaller M, Welte T, Rossaint R, Gerlach H, Mayer K, John S, Stuber F, Weiler N, Oppert M, Moerer O, Bogatsch H, Hartog C, Loeffler M, Reinhart K, . for the German Competence Network Sepsis (SepNet). Practice and Perception - A Nationwide Survey of Therapy Habits in Sepsis. *Crit Care Med* 2008 36(10):2719-25
- 6) Bockmeyer CL, Claus RA, Budde U, Kentouche K, Schneppenheim R, Lösche W, Reinhart K, **Brunkhorst FM**. Inflammation-associated ADAMTS13 deficiency promotes formation of ultra-large von Willebrand factor. *Haematologica* 2008 Jan;93(1):137-40.
- 7) **Brunkhorst FM**, Sakr Y, Hagel S, Reinhart K. Protein C concentrations correlate with organ dysfunction and predict outcome independent of the presence of sepsis. *Anesthesiology* 2007 Jul;107(1):15-23.
- 8) Shorr AF, Nelson DR, Duncan LA, Wyncoll DLA, Reinhart K, **Brunkhorst FM**, Vail GM, Janes J. (2008) Protein C: A potential biomarker in severe sepsis and a possible tool for monitoring treatment with Drotrecogin alfa (activated). *Critical Care*, 2008 12:R45 ( 4 April 2008 )
- 9) Claus R, Bockmeyer C, Kentouche K, Sossdorf M, Hilberg T, Schneppenheim R, Reinhart K, Bauer M, **Brunkhorst FM**, Lösche W. Variations in the ratio between Von Willebrand factor and its cleaving protease during systemic inflammation and association with severity and prognosis of organ failure. *Thromb Hemost* 2009 (in press)
- 10) Schmitz G, Schädler D, Engel C, Bogatsch H, Frerichs I, Ragaller M, Scholz J, **Brunkhorst FM**, Löffler M, Reinhart K, Weiler N, for the German Competence Network Sepsis (SepNet). Current practice in nutritional support and its association with mortality in septic patients – Results from a national prospective multicenter study. *Crit Care Med* 2008 36(6):1762-7.