



Christof Stamm, MD

Christof Stamm, MD, is staff surgeon at the German Heart Institute Berlin. Surgically, he trained in Munich, Göttingen, and Rostock (Germany), where he was appointed assistant professor of cardiac surgery in 2003. His scientific training includes research fellowships at the National Heart & Lung Institute in London, UK, and at Children's Hospital Boston/Harvard University, USA. Dr. Stamm's group has pioneered the clinical application of bone marrow stem cells in cardiac surgical patients. His basic and clinical research activities focus on cell therapy and tissue engineering approaches for treatment of patients with severe ischemic heart disease.

TEACHING POSITIONS:

- 1995 - 98 Instructor in general and surgical physical examination (2nd year medical students), University of Göttingen (Germany)
- 1997 - 98 Instructor in vascular & cardiothoracic surgery (5th and 6th year medical students), University of Göttingen (Germany)
- 2001 - 03 Tutor: Hands-on course in cardiac morphology, Imperial College School of Medicine, National Heart & Lung Institute, London (UK)
- 2003 - Lecturer: Hands-on course in cardiac morphology, Imperial College School of Medicine, National Heart & Lung Institute, London (UK)
- 2002 - 05 Lecturer: Surgical anatomy and treatment concepts of congenital heart defects. University of Rostock
- 2004 - 05 Seminar: Bench-to-Bedside: Scientific Strategies in Cardiac Surgery. University of Rostock
- 2004 - 05 Seminar: Stem Cell Therapy for Treatment of Heart Disease. University of Rostock
- 2006 - Seminar: Concepts in Adult Cardiac Surgery. Charité Medical University, Berlin

STIPENDS AND AWARDS:

- 4/1996 Travel fellowship of the German Research Foundation - DFG, (STA 497/1-1) „Structural changes of the tricuspid valve in hypoplastic left heart syndrome“.
- 4/1998 Research scholarship of the German Research Foundation (DFG), (STA 497/2-1) „The role of protein kinase C in regulation of contractility and calcium sensitivity of contractile proteins during myocardial ischemia and reperfusion“.
- 1999 William W. L. Glenn Lecture, Featured Research Presentation. *Long-term results of surgery for Supravalvar Aortic Stenosis*. 72nd Scientific Session of the American Heart Association
- 11/2001 Vivien Thomas Young Investigator Award Finalist. American Heart Association, Cardio-Thoracic and Vascular Surgery Council. “Dopamine-treatment of postischemic myocardial stunning rapidly induces calcium-dependant pro-apoptotic signaling”
- 2/2003 Ernst-Derra Award of the German Society for Thoracic and Cardiovascular Surgery. “Intracellular calcium handling in myocardial ischemia, reperfusion, and inflammation”

AWARDS TO JUNIOR GROUP MEMBERS:

- 2/2005 Ma Nan, PhD: Hancock Prize of the German Society for Thoracic and Cardiovascular Surgery “Human cord blood cells attenuate post-infarct remodelling processes in NOD/scid-mice”
- 6/2005 Yeong-Hoon Choi, MD: Wilhelm P. Winterfeld Award of the German Heart Foundation “Cardiac conduction through engineered tissue”
- 2/2006 Alexander Kaminski: Ulrich Karsten Foundation Prize 2006 “Influence of endothelial nitric oxide synthase on SDF-1/TNF-alpha mediated stem cell homing in vivo”

RESEARCH FUNDING:

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| 1996 | German Research Association (DFG) travel grant STA 495/1 | € 4.000,- |
| 1998 | DFG scholarship STA 495/2-1 | € 30.000,- |
| 1999 | DFG scholarship STA 495/2-2 | € 30.000,- |
| 2001 | NIH 5R01HL046207 (PI: Pedro J. del Nido) | € 220.000,- |
| 2002-04 | German Minister of Economy (BMBF)
NBL3 (NWG7 & NW10)
Junior research group 7 & Young investigator 10 | € 400.000,- |
| 2002-03 | Intramural grant FORUN | € 51.000,- |
| 2005 | NBL3 NWG7 BMBF termination support | € 80.000,- |
| | NW10 intramural continuation | € 35.000,- |

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2005 - 07	State-wide Research Focus „Regenerative Medicine“, Junior Research Group	€ 1.271.758,-
2005 – 2008	BMBF call “Cell-based regenerative medicine” START-MSK Project	€ 154.000,-
Total:		€ 2.275.758,-

applications in review:	EU STREProject „Exploring the potential of Bioreactor Expanded Cord Blood Stem Cells for Myocardial repair“	€ 695 363,-
	SFB Transregio “Micro- und Nanotechnology ”	€ 680 000,-

DOCTORAL THESIS TUTORING:

cand. med. Matthias Worm	Cardiac surgery in patients with terminal renal failure
cand. med. Nadine Treckmann	Biopolymer/Matrix Hybridmaterials: in vivo Biocompatibility
cand. med. Anne Drechsel	Biopolymer/Matrix Hybridmaterials: in vitro Biocompatibility
cand. med. Mark Phillip	Heart valve tissue engineering: in vitro fluid-dynamic testing
cand. med. Jan-Arne Lauffs	Clinical Stem cell transplantation for myokrdial regeneration
cand. med. Katharina Nesselmann	Gene therapy methods for myocardial stem cell trafficking
cand. med. Claudia Peller	Neurocognitive deficits following Heart valve replacement
cand. med. Ferenc Ory	Genetic modification of tissue engineering heart valves

MEMBERSHIPS:

Deutsche Gesellschaft für Thorax-, Herz- und Gefäßchirurgie
American Heart Association, Cardio-Thoracic and Vascular Surgery Council
European Association for Cardiothoracic Surgery
Universitätsbund Würzburg
Imperial College of Science and Medicine, University of London, Alumni Association
International Society for Cellular Therapy

JOURNAL PEER REVIEWS:	Cardiovascular Research Annals of Thoracic Surgery Bone Marrow Transplantation Chest Journal of Thoracic and Cardiovascular Surgery Heart and Vessels Stem Cells Tissue Engineering
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INDUSTRY POSITIONS:

2000 - 01:	Consultant to Procter & Gamble Pharmaceuticals, Cincinnati, USA <i>Organization of European multicenter trials studying the effects of selective complement inhibitors (C5 inhibitors) after cardiopulmonary bypass and myocardial ischemia</i>
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ORGANIZATION OF MEETINGS & CONFERENCES:

8/2001	Baltic Summeracademy 2001, Rostock-Warnemünde
6/2002	Baltic Stem Cell Conference. Burg Schlitz, Hohen Demzin
8/2002	Baltic Summeracademy 2002 (Intensive Care in Cardiac Surgery) Rostock-Warnemünde
8/2003	New Developments in Pediatric Cardiac Surgery, Rostock-Warnemünde
10/2003	Workshop der NBL3 Forschergruppen, Rostock
8/2005	Baltic Stem Cell Conference 2005

PUBLICATIONS:

Original papers:	58
Review papers:	10
Book chapters:	7
Published Abstracts:	88
Invited Presentations:	85
Abstract presentations given:	50
Abstract presentations authored:	62
Misc.:	5

Berlin, 31 May 2006
