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Education and academic positions

1992 – 1999 Medical School, Ludwig Maximilians University Munich;
Nov 1999 Doctoral thesis, Dept. of Cardiac Surgery, LMU Munich (magna cum laude);
1999 – 2001 Internship and residency, Department of Cardiac Surgery, University of Bonn, Head: Prof. Dr. med. Armin Welz);
2001 – 2003 DFG Post-doctoral fellow with Mark L. Entman, Section of Cardiovascular Sciences, Department of Medicine, Baylor College of Medicine, Houston, TX, USA;
2003 – 2005 BONFOR young investigator grant for establishment of new research group;
2004 – 2008 Residency, Department of Cardiac Surgery, University of Bonn;
Oct 2008 Board certification in cardiac surgery;
Nov 2008 “venia legendi” in cardiac surgery;

Current position

Since Nov 2008 Consultant, Department of Cardiac Surgery, University Clinical Center Bonn, Rheinische Friedrich-Wilhelms-Universität Bonn

Research interests

Myocardial ischemia and reperfusion, tissue remodeling, inflammation, endocannabinoids in cell signalling and biology

Memberships and professional functions

Basic Cardiovascular Science Council, American Heart Association; German Society for Thoracic and Cardiovascular Surgery

Honors and awards

Young Investigator Award, European Society of Cardiology (2002)
Ernst-Derra Prize, German Society for Thoracic and Cardiovascular Surgery (2004)

Publications in: *Proc.Natl.Acad.Sci. U.S.A.*, *Circ.Res.*, *Circulation*, *J Am Coll Cardiol*, *Blood*, *Am J Pathol*, and others.

1. Dewald O, Frangogiannis NG, Zoerlein M, Duerr GD, Klemm C, Knuefermann P, Taffet G, Michael LH, Crapo JD, Welz A, Entman ML (2003). Development of murine ischemic cardiomyopathy is associated with a transient inflammatory reaction and dependent on reactive oxygen species. *Proc. Natl. Acad. Sci. U.S.A.* 100:2700-2705.
2. Dewald O, Ren G, Duerr GD, Zoerlein M, Klemm C, Gersch C, Tincey S, Michael LH, Entman ML, Frangogiannis NG (2004). Of mice and dogs: species-specific differences in the inflammatory response following myocardial infarction. *Am. J. Pathol.* 164:665-677.
3. Dewald O, Zymek P, Winkelmann K, Koerting A, Ren G, Abou-Khamis T, Michael LH, Rollins BJ, Entman ML, Frangogiannis NG (2005). CCL2/Monocyte Chemoattractant Protein-1 regulates inflammatory responses critical to healing myocardial infarcts. *Circ. Res.* 96:881-889.
4. Dewald O, Sharma S, Adroque J, Salazar R, Duerr GD, Crapo JD, Entman ML, Taegtmeier H (2005). Downregulation of peroxisome proliferator-activated receptor-alpha gene expression in a mouse model of ischemic cardiomyopathy is dependent on reactive oxygen species and prevents lipotoxicity. *Circulation* 112:407-415.