

Zeisberg, Elisabeth, Prof. Dr.

Year of birth: 1971, Gender: female, married, 4 children

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Position Professor (W2, tenured) and physician

Academic education

2015 Board Certification in Internal Medicine
2001 Medical doctoral degree ("Dr. med."), Department of Hematology, University Medical Center Göttingen
1991 – 1999 Studies of Medicine, Universities of Hamburg, Würzburg, Göttingen and Harvard Medical School

Employment

2011-ongoing: Associate Professor (W2) of Cardiac Stroma, Department of Cardiology and Pneumology, University Medical Center Goettingen, Germany.
2006-2011: Instructor of Medicine, Harvard Medical School, Beth Israel Deaconess Medical Center, Boston/ USA
2004-2006: Postdoctoral Fellow Harvard Medical School, Beth Israel Deaconess Medical Center, Division of Matrix Biology. Division Head Dr. Raghu Kalluri, Boston/ USA
2003-2004: Postdoctoral Fellow Harvard Medical School, Beth Israel Deaconess Medical Center, Division of Cardiovascular Research. Division Head Dr. Seigo Izumo, Boston/ USA
2001: Visiting Scientist, IPK Gatersleben, Germany (Stem Cell Group, headed by Dr. Anna Wobus).
1999-2003: House-Officer, Cardiology, University of Göttingen, Germany.

Awards and honours

2011: Named PI of German Center for Cardiovascular Research (DZHK).
2009: Harvard Catalyst Pilot Grant Award.
2008: NIH Mentored Clinical Scientist Research Career Development Award (K08).
2007: AHA Scientist Development Grant Award.
2005: NIH Ruth L. Kirschstein National Research Service Award.
2004: Fellowship Award of the German Leopoldina Academy.
2004: "Best of Session Award" at AHA Scientific Sessions.
2003: BAYER Young Investigator Award of the German Society of Cardiology.
1999: Bavarian Stipend Award for Highly Gifted Students ("Bayerische Hochbegabtenförderung")

**Elisabeth Zeisberg, 43 peer-reviewed articles with an h-index of 21 and 5026 citations
(Google Scholar)**

Selection

1. Xu X, Tan X, Tampe B, Wilhelmi T, Hulshoff MS, Saito S, Moser T, Kalluri R, Hasenfuss G, **Zeisberg EM***, Zeisberg M*. High-fidelity CRISPR/Cas9- based gene-specific hydroxymethylation rescues gene expression and attenuates renal fibrosis. *Nat Commun* 2018 Aug 29;9(1) (*shared corresponding authors)
2. Tan X, Xu X, Zeisberg M, **Zeisberg EM**. DNMT1 and HDAC2 cooperate to facilitate aberrant promoter methylation in inorganic phosphate-induced endothelial-mesenchymal transition. *PLoS One* 2016; 27;11(1)
3. Xu X, Friehs I, Zhong Hu T, Melnychenko I, Tampe B, Alnour F, Iascone M, Kalluri R, Zeisberg M, del Nido PJ, **Zeisberg EM**. Endocardial Fibroelastosis is Caused by Aberrant Endothelial to Mesenchymal Transition. *Circ Res* 2015;116:857-66.
4. Xu X, Tan X, Tampe B, Nyamsuren G, Liu X, Maier LS, Sossalla S, Kalluri R, Zeisberg M, Hasenfuss G, **Zeisberg EM**. Epigenetic balance of aberrant Rasal1 promoter methylation and hydroxymethylation regulates cardiac fibrosis. *Cardiovasc Res* 2015; 105: 279-91
5. **Zeisberg EM**, Tarnavski O, Zeisberg M, Dorfman AL, McMullen JR, Gustafsson E, Chandraker A, Yuan X, Pu WT, Roberts AB, Neilson EG, Sayegh MH, Izumo S, Kalluri R. Endothelial-to-mesenchymal transition contributes to cardiac fibrosis. *Nat Med* 2007; 13: 952-61.