

1. Overview of individual projects

Project number	Title	Research areas	Principal investigator(s)	Affiliation	Duration of tenure
A1	Analysis of the Coxsackievirus and Adenovirus Receptor (CAR) in the Pathogenesis of Cardiomyopathies	Cardiology Cell biology Virology Molecular genetics	Gotthardt, Michael	MDC	07/2004-2 to 06/2013
			Poller, Wolfgang	CC11/CBF	07/2004 to 12/2012
A2	Molecular Mechanisms of Matrix Remodeling in Inflammatory Cardiomyopathy (DCMi)	Cardiovascular medicine Cell biology	Pauschinger, Matthias	both CC11/CBF	07/2004 to 09/2007
			Schultheiss, Heinz-Peter		07/2004 to 12/2013
			Westermann, Dirk	CC11/CBF & UKE (since 05/2013)	10/2007 to 12/2013
A3	The relevance of Protease-Activated Receptors for Immune Response and Myocardial Function in Inflammatory Cardiomyopathy	Cardiovascular medicine Cell biology	Rauch-Kröhnert, Ursula	CC11/CBF	07/2004 to 12/2013
A4	Transcriptional regulatory networks in inflammatory cardiomyopathy and their therapeutic implications	Molecular pharmacology	Orzechowski, Hans-Dieter	both Pharm CBF	07/2004 to 06/2008
			Paul, Martin		07/2004 to 06/2008
A5	Importance of Parvovirus B19 (B19V) Receptors and B19V Latency in the Pathogenesis of Cardio-endothelial B19V Infections	Internal medicine Virology	Fechner, Henry	CC11/CBF & Institute of Biotechnology, FUB (since 03/2010)	07/2008 to 12/2013
			Weger, Stefan	Institute for Virology, CBF	
A6	EMMPRIN (CD147) in the Regulation of Remodeling Processes in DCMi	Inflammation Matrix remodeling Cell-cell interactions	Gawaz, Meinrad	both Dept. of Internal Medicine III, UKT	07/2008 to 12/2012
			May, Andreas		07/2008 to 10/2013
			Seizer, Peter	01/2013 to 12/2013	
B1	Application of molecular libraries to identify T cell epitopes in the proteome of myocarditis-inducing enteroviruses in the case of Coxsackievirus B3	Immunology	Kern, Florian	both Immun CCM	07/2004 to 06/2008
			Volkmer-Engert, Rudolf		

B2	Relevance of clonal T cell expansions and functional T cell alterations in myocarditis and dilated cardiomyopathy for pathogenesis, prognosis, and course of immunomodulatory therapies	Cardiology Pathology Immunology	Noutsias, Michel	CC11/CBF	07/2004 to 06/2008
			Hummel, Michael	Institute of Pathology, CBF	
			Volk, Hans-Dieter	Immun CCM	
B3	The Impact of the Ubiquitin-Proteasome-System in Mocarditis and DCMi	Cardiology Biochemistry Immunology Molecular biology Virology	Stangl, Karl	Dept. Cardiology, CCM	07/2004 to 06/2008
			Kloetzel, Peter-Michael	Institute for Biochemistry, CCO/CC2	07/2008 to 12/2013
			Kuckelkorn, Ulrike		07/2004 to 12/2013
			Voigt, Antje		07/2008 to 12/2013
B4	Functional relevance and immunoregulation of natural killer cells during acute and chronic enteroviral myocarditis	Immunology Cardiopathology Molecular pathology	Klingel, Karin	Institute of Pathology, UKT	07/2004 to 12/2012
			Stefanivic, Stefan	Institute of Cell Biology, UT	07/2004 to 06/2008
			Kotsch, Katja	Immun CCM & University Hospital Innsbruck, Austria (since 11/2010)	07/2018 to 12/2011
B5	Parvovirus B19-associated DCMi: Molecular Mechanisms of Endothelial and Cardiac Dysfunction	Virology Physiology Clinical research	Bock, Claus-Thomas	Institute of Pathology, UKT & Robert Koch Institute Berlin (since 06/2009)	07/2004 to 12/2012
			Kandolf, Reinhard	Institute of Pathology, UKT	07/2004 to 12/2013
			Lang, Florian	Institute of Physiology, UT	07/2004 to 12/2013
			Tschöpe, Carsten	CC11/CBF	07/2004 to 12/2012
B6	Parvovirus B19 and Endothelial Regeneration – Therapeutic Perspectives	Internal medicine Cardiology Immunology Cell biology Virology	Schmidt-Lucke, Caroline	CC11/CBF	07/2008 to 12/2013
			Volk, Hans-Dieter	Immun CCM	07/2008 to 12/2012
			Tschöpe, Carsten	CC11/CBF	01/2013 to 12/2013
			Fechner, Henry	Institute of Biotechnology, FUB	01/2013 to 12/2013
B7	Cardioprotection and Immunomodulation by Foxo3a as Master Regulator of Adiponectin	Cardiology Immunology	Scheibenbogen, Carmen	Immun CCM	07/2008 to 12/2013
			Skurk, Carsten	CC11/CBF	07/2008 to 12/2013

B8	CXC/CX3C Chemokine Receptors and PI3-Kinase-Dependent Intracellular Signaling in DCMi	Chemokines Intracellular signaling Inflammation	Gawaz, Meinrad	all Dept. of Internal Medicine III, UKT	07/2008 to 12/2013
			Lindemann, Stephan		07/2008 to 03/2009
			Stellos, Konstantinos		07/2008 to 06/2011
			Borst, Oliver		01/2013 to 12/2013
C1	RNA interference mediated silencing of negative SERCA2a regulators for improvement of Ca ²⁺ homeostasis in DCMi	Internal medicine Cardiology Gene therapy I	Kurreck, Jens	both Institute of Chemistry (Biochemistry), FUB	07/2004 to 06/2008
			Erdmann, Volker A.		07/2004 to 12/2010
			Fechner, Henry	CC11/CBF & Institute of Biotechnology, FUB (since 03/2010)	07/2008 to 12/2012
			Vetter, Roland	Pharm CBF	07/2008 to 12/2012
C2	Characterization of inotropic effects of cardiotropic antibodies	Cardiology	Brinkmeier, Henrich	Institute of Pathophysiology, UG	07/2004 to 06/2008
			Felix, Stephan B.	both Dept. of Internal Medicine, UKG	07/2004 to 12/2012
			Staudt, Alexander		07/2004 to 05/2010
C3	Genome-wide analysis of therapy-associated alterations in the gene expression program of DCM patients – Role of expression signatures for diagnostic purposes	Cardiology Functional genomics	Felix, Stephan B.	Dept. of Internal Medicine, UKG	07/2004 to 12/2012
			Lehrach, Hans	MPI-MG	07/2004 to 06/2008
			Völker, Uwe	Interfaculty Institute for Genetics & Functional Genomics, UG,	07/2004 to 12/2012
			Kühl, Uwe	CC11/CBF	07/2008 to 12/2012
C4	Impact of the carnitine transporters OCTN1 and OCTN2 for the inflammatory cardiomyopathy	Pharmacology Cardiology	Cascorbi, Ingolf	all Institute of Pharmacology, UG	07/2004 to 06/2008
			Jedlitschky, Gabriele		07/2004 to 12/2012
			Kroemer, Heyo K.		07/2004 to 08/2012
			Grube, Markus		07/2008 to 12/2012
C5	Novel Cardiovascular Therapies Based on Noncoding RNA, Endogenous Immunomodulatory Proteins, and Mimetic Peptides	Cardiology Viral diseases Molecular biology Virology Immunology	Poller, Wolfgang	CC11/CBF	07/2004 to 12/2013
			Gotthardt, Michael	MDC	07/2004 to 06/2008
			Fechner, Henry	CC11/CBF	07/2004 to 06/2008
			Cathomen	Institute for Virology, CBF	07/2008 to 04/2010
			Scheibenbogen, Carmen	Immun CCM	07/2008 to 12/2013

C6	Mechanical heart assist devices for the restoration of cardiac function in inflammatory cardiomyopathy	Cardiovascular surgery Cardiology Molecular biology	Hetzer, Roland	DHZB	07/2004 to 06/2008
C7	Mechanism and therapeutic potential of an accelerated mitochondrial ADP/ATP transport in ischemic and inflammatory heart disease	Internal medicine Cardiology Virology	Dörner, Andrea	CC11/CBF	07/2008 to 12/2012
Z1	Differential Diagnostics and Differential Therapy of DCMi	Cardiology Pharmacology Virology Immunology	Schultheiss, Heinz-Peter	all CC11/CBF	07/2004 to 12/2013
			Kühl, Uwe		07/2004 to 12/2013
			Escher, Felicitas		01/2013 to 12/2013
			Staudt, Alexander	both Dept. of Internal Medicine, UKG	07/2004 to 05/2010
			Felix. Stephan B.		07/2008 to 12/2012
Z2	Central Data and Sample Management, Biometry and Epidemiology	Cardiology Epidemiology Biometry	Hoffmann, Wolfgang	Institute for Community Medicine, UG	07/2004 to 12/2013
			Felix. Stephan B.	Dept. of Internal Medicine, UKG	01/2013 to 12/2013
Z3	Characterization of Cardiovascular Phenotype in Animal Models	Cardiology Physiology	Tschöpe, Carsten	both CC11/CBF	07/2004 to 12/2013
			Riad, Alexander		07/2008 to 07/2010
			Kübler, Wolfgang	Institute of Physiology, CBF	07/2008 to 12/2012
Z4	Phenotypic, Molecular Pathological, and Immunological Characterization of Murine Cardiomyopathy Models	Cardiopathology Immunology Virology Molecular pharmacology	Klingel, Karin	Institute of Pathology, UKT	07/2008 to 12/2013
V1	Central Management of the Collaborative Research Center	Central Management of CRC/TR 19	Schultheiss, Heinz-Peter	both CC11/CBF	07/2004 to 12/2013
			Poller, Wolfgang		

Abbreviations: CBF = Charité – Universitätsmedizin Berlin, Campus Benjamin Franklin ▼ CC11/CBF = CharitéCentrum 11, Med. Clinic II – Cardiology/Pneumology, Berlin, Charité – Universitätsmedizin Berlin, Campus Benjamin Franklin ▼ CCM = Charité - Universitätsmedizin Berlin, Campus Mitte ▼ CCO/CC2 = CharitéCrossOver, CharitéCentrum 2, Charité – Universitätsmedizin Berlin, Campus Virchow Klinikum ▼ DHZB = German Heart Center of Berlin ▼ FUB = Free University of Berlin ▼ UKE = Heart Center, University of Hamburg ▼ Immun CCM = Institute for Medical Immunology, Charité - Universitätsmedizin Berlin, Campus Mitte ▼ MDC = Max Delbrück Center for Molecular Medicine Berlin-Buch ▼ MPI-MG = Max Planck Institute of Molecular Genetics, Berlin ▼ Pharm CBF = Institute of Pharmacology and Toxicology, Charité – Universitätsmedizin Berlin, Campus Benjamin Franklin ▼ UG = University of Greifswald ▼ UKG = University Hospital Greifswald ▼ UKT = University Hospital Tuebingen ▼ UT = University of Tuebingen