

Project	Collaborator	Number of Patient samples
Research Module 1: Transdifferentiation and pathomechanisms of organ dysfunction in the metabolic syndrome complex		
Transdifferentiation of subcutaneous and omental adipose tissue	PD Dr. L. Prantl, Prof. Nehrlich; PD Schäffler, PD Dr. Büchler; Prof. G. Schmitz (Regensburg)	500
AIDA-Study (Acarbose) Transdifferentiation of intestinal mucosa in obesity and Typ2Diabetes	Prof. Hahnefeld (Dresden); Bayer-Pharma (Leverkusen); Prof. G. Schmitz (Regensburg)	450
Multicenter-Study IBD (Transdifferentiation of intestinal mucosa during infection)	IBD self care group; Prof. G. Schmitz; Prof. Rogler; Florian Obermeier; (Regensburg); Prof. Stremmel (Heidelberg); Prof. Dieplinger (Linz/Innsbruck)	950
Multicenter-Study Transdifferentiation (BMI) - Pharmacotherapy: Adsorption inhibition of lipids and carbohydrates	Prof. Stefan Borstein, Dr. Schwarz; Prof. Hahnefeld (Dresden); Prof. Rogler; PD Dr. Obermeier; Prof. Schmitz (Regensburg); Prof. Stremmel (Heidelberg), Prof. Dieplinger (Linz/Innsbruck)	500
STOP-NIDDM	BAYER-Pharma	1200
Transdifferentiation of liver towards non-alcoholic steatosis	PD Dr. T. Weiss (Center for liver cell research)	200
Transdifferentiation of liver - Alcoholic liver disease	PD Dr. Wodarz, PD Dr. Claus Hellerbrand (Regensburg)	1600
Research Module 2: Metabolic effects on the development of chronic diseases in sex-hormone-sensitive organs		
Mother - Baby (MoBa) Study (Lipid molecular species analysis at delivery in metabolic risk pregnancies and controls; (Mother 5000/cord blood 5000)	Prof. K. Ronningen (Folkehelseinstituttet), Prof. R. Bjugn (Ullevall Universital Hospital); (Oslo, Norwegen); Prof. Schmitz (Regensburg)	10000
PCO; Infertility (REDEPPS ReForM C)	Prof. Seifert (Regensburg); Prof. Thaler (München); Prof. Nieschlag (Münster)	1600
Risk pregnancies and controls	Fr. Prof. Seelbach-Göbel (Regensburg); Prof. Ortman; Prof. G. Schmitz (Regensburg) ReForM C	294
Prostate carcinoma and benign hyperplasia	Prof. Wieland; Dr. Stöhr, Prof. Hartmann (Regensburg); Prof. G. Bartsch (Innsbruck) ReForM C	238
Tamoxifen-Study (Breast cancer, Mastopathy)	Prof. Hartmann; Prof. Ortman (Regensburg); Prof. M. Dietel (Berlin); Prof. G. Schmitz (Regensburg) ReForM C	800
Research Module 3: Atherogenic vascular disease and blood compartment interactions		
Lp(a)-elevation and CAD	Prof. Utermann (Innsbruck); Prof. Schmitz (Regensburg)	1611
Rare Genetic Hyper- Dyslipidemias	Dr. H. Klünemann, Prof. G. Schmitz (Regensburg)	500
Niemann-Pick German self care group	Edmund Fabianski (speaker self care group)	350
REDEPPS Optifast	Prof. Hengstenberg Dr. Bäßler	100
CAD	Dr. S. Heimerl; Prof. Schmitz; Prof. Hengstenberg; (Regensburg)	100
Acute coronary Syndrome	Prof. Luchner (Regensburg)	117
CAD - focus array Study	Prof. Schmitz (Regensburg); Dr. Petry (Siemens Diagnostics; Leverkusen)	350
CD14 Polymorphisms (CAD - case control)	Prof. Hubacek (Prag); Prof. Stüber (Bonn); Prof. Poledne (Prag); Prof. Schmitz (Regensburg)	615
Heart insufficiency	Prof. Luchner (Regensburg)	30
RESPECT-CAD Study (Pharmacogenetics and candidate genes)	Dr. Petry (Siemens Diagnostics; Leverkusen); Bayer-Pharma (Leverkusen); Prof. Schmitz (Regensburg)	12000
Research Module 4: Genetic background of chronic renal insufficiency and kidney transplantation		
Kidney transplantation	Prof. Krämer; PD Böger (Regensburg) REDEPPS ReForM C	415
Research Module 5: Molecular pathomechanisms of neurodegenerative disorders		
REDEPPS Demenz/Parkinson	Prof. Klein, Dr. Klünemann (Regensburg)	414
Neurodegenerative Disorders (Dementia, Parkinson, Huntington, ALS, others)	Prof. Ludolph (Ulm), Prof. Winkler (Regensburg); Dr. Eggers, Prof. Weis (Linz); J. Attems (Wien)	2700
other Disease Foci		
Interdisciplinary ARDS/SIRS/Sepsis Study	Sepsis-Net (Regensburg), Prof. Hubacek (Prag); Prof. Stüber (Bonn); Prof. Poledne (Prag)	650

Project	Collaborator	Number of Patient samples
Lung diseases - COPD	Prof. Borlack; Fraunhofer Project Group (Regensburg)	500
Lung diseases (Alveolarproteinosen; Interstitielle Lungenerkrankung; Cholesterinpneumonie)	Prof. Brasch (Bremen), Prof. Griese (München); Prof. A. Günther (Giessen); Prof. Pfeifer; Prof. Schmitz (Regensburg)	450
AKH Biobank (Cardiovascular, Stroke, Diabetes, Coagulation, Oncology)	O. Wagner, C. Marsik, G. Endler (Wien)	2300
REFSUM (case/control)	REFSUM self care group	150
HIFAM	Prof. Hengstenberg	4000
Laboratory and Lipidphenotyping (EUROSPAN consortium)	EUROSPAN consortium	6000
Control Samples		
Healthy octa-, nona-, centenarians	Prof. Schmitz (Regensburg)	200
Metabolically classified and apo-E genotyped blood donors	Prof. Schmitz (Regensburg)	3000
	Total number of Patients	60764