

Project no.	Name of the project	Co-principal investigator <i>(principal investigator, affiliation)</i>	Years	Agency
203/93/0668	The influence of heavy metals to metabolism of wood-rotting fungi	Z. Hodný (J. Gabriel, MBÚ AVCR)	1993-1995	GACR
303/93/0608	Development of membrane proteins of enterocytes in gnotobiotic animals and modulation by antigenic stimulation	J. Kolínská (H. Kozáková, MBÚ AVCR)	1993-1995	GACR
310/93/1093	Imunopathology of celiac disease-model of autoimmune	J. Kolínská (H. Tlaskalová, MBÚ AVCR)	1993-1995	GACR
307/93/1122	Anxiolytic and sedative activity of benzodiazepine ligands	P. Mareš (M. Kršiak, 3. LF UK)	1993-1995	GACR
202/93/0121	Study of surface properties of polymers modified by ion implantation and chemical doping	V. Mareš (V. Hnatowicz, ÚJF)	1993-1995	GACR
304/93/0849	Histochemical characterization of the differentiating vascular bed in embryonic organs	Z. Zemanová (O. Mrázková, 1. LF UK)	1993-1995	GACR
310/94/1879	Ontogenetic development of functions, fenotype and gene expression of immune cells and their progenitors	J. Kolínská (I. Trebichavský, MBÚ)	1994-1996	GACR
501/94/0413	Intensification of saccharide biosynthesis and technological value of the beet by the use of growth regulators	A. Kotyk (J. Zahradníček, VÚC)	1994-1996	GACR
304/94/1202	Study of a spatial organization of the capillary bed of placental villi by using a confocal microscope for a quantitative description of its geometry relating to a normal and pathological placental barrier in	I. Krekule (P. Hach, 1. LF UK)	1994-1996	GACR

	human			
306/94/1418	The role of renin-angiotensin system in the pathogenesis of hypertension: Effects of AT1 receptor blockade by specific antibody	J. Kuneš (B. Železná, ÚMG AVCR)	1994-1996	GACR
309/94/1504	Could hypoxia change postictal refractoriness in the deocloping rat?	P. Mareš (D. Marešová, 1. LF UK)	1994-1996	GACR
304/94/1716	The role of embryonic stress proteins in teratogenesis	Z. Zemanová (D. Buckiová, ÚEM AVCR)	1994-1996	GACR
A720401	Autoimmune mechanisms in pathogenesis of celiac disease	J. Kolínská (H. Tlaskalová, MBÚ AVCR)	1994-1996	GAAVCR
305/95/0635	The effect of cold on immunity	J. Houštek (P. J. Spížek, MBÚ AVCR)	1995-1997	GACR
302/95/1063	Molecular basis of mitochondrial diseases	J. Houštek (P. Hach, 1. LF UK)	1995-1997	GACR
204/95/1576	Does melatonin occur in higher plants	H. Illnerová (I. Machácková, ÚEB AVCR)	1995-1997	GACR
309/95/1121	GTP – binding proteins /G-proteins/ in central nervous system /CNS/ and immune system /IS/	V. Lisá (H. Kováru, 1. LF UK)	1995-1997	GACR
304/95/0772	The respective roles of nerve fibres and target tissue in the development and distribution of mechanoreceptors	J. Zelená (M. Grim, 1. LF UK)	1995-1997	GACR
263/95	Influence of oxygenated collagene on proliferation of smooth muscle cells	L. Bacáková (J. Herget, 2. LF UK)	1995-1998	GAUK
2668/3	Augmentation of GABAergic	P. Mareš (A	1995-	IGAMZ

	inhibition as a mechanism of anticonvulsant action in developing brain	Zouhar, DFN (Brno)	1997	
306/96/K220	Determinants of atherosclerosis and its complications in a the Czech population- their detection and management	M. Dobiášová (K. Filip, IKEM)	1996-1998	GACR
303/96/1256	Brush-border glycoproteins of enterocytes of gnotobiotic animals after antigenic stimulation	J. Kolínská (H. Kozáková, MBÚ AVCR)	1996-1997	GACR
310/96/1366	The role autoantibodies in gluten-sensitive enteropathy in human and in experimental models	J. Kolínská (L. Tucková) MBÚ	1996-1997	GACR
304/96/0909	HSP70 and developmental control of genes in neurulation of the chick embryo	L. Kubínová (D. Buckiová, ÚEM)	1996-1998	GACR
309/96/0463	GABA-benzodiazepine mechanisms of benzodiazepine withdrawal	H. Kubová (M. Kršiak, 3. LF UK)	1996-1998	GACR
202/96/0077	High energy ion beam modification of polymers and potential application in medicine and electronics	V. Mareš (V. Hnatowicz, ÚJF AVCR)	1996-1997	GACR
309/96/1592	Brain circuits involved in learned coordination of independent muscles	L. Nerad (G. Brožek, 2. LF UK)	1996-1997	GACR
312/96/0518	Photodynamic therapy of tumors	J. Polecha (M. Jirsa, 1. LF UK)	1996-1997	GACR
302/96/0604	Genetic analysis of limb morphogenesis studied in rat recombinant inbred (RI) and congenic strains	M. Pravenec (V. Kren, 1. LF UK)	1996-1997	GACR
301/96/0897	Transgenic rats for analysis of expression and function of Thy-1 glycoprotein in rat mast cells	M. Pravenec (V. Landa, ÚMG AVCR)	1996-1998	GACR
408/96/0615	Perception of tempo	J. Mates (M.	1996-	GACR

		Franeck, ÚHV AVCR)	1997	
47/96	Development of the epithelium in small and large intestine: structural and functional relation	J.Pácha (R. Vagnerová, 1. LF UK)	1996-1999	GAUK
305/97/S070	The effect of non-enzymatic modifications of collagen on adhesion and growth of smooth vascular cells in culture	L. Bacáková (J. Herget, 2. LF UK)	1997-1999	GACR
202/97/1121	Fluorescent measurements of membrane potential in living cells	J. Krušek (J. Plášek, MFF UK)	1997-2000	GACR
204/97/0239	Membrane microdomains and activation of mast cells	L. Kubínová (P. Dráber, ÚMG AVCR)	1997-1999	GACR
204/97/0420	Analysis of the vascular bed in the villi of normal and diabetic human placenta by using confocal microscopy, stereology and 3-D reconstruction	L. Kubínová (M. Jirkovská, 1. LF UK)	1997-1999	GACR
203/97/0302	Steroid derivatives for the study of cholinergic receptors	J Rícný (M. Urban, ÚOCHB)	1997-1998	GACR
153/97	Differentiation of tubular and vascular components of embryonal kidney in relation to transport processes	Z. Zemanová (J. Jirsová, 1. LFUK)	1998-2000	GAUK
4150/3	Effects of bacterial microflora on intestinal enzymes in gnotobiotic models	J. Kolínská (H. Kozáková MBÚ AVCR)	1997-1999	IGAMZ
204/98/0416	Expression, mutagenesis and characterization of the yeast	E. Amler (J. Janata, MBÚ)	1998-2000	GACR

	mitochondrial processing peptidase	AVCR)		
304/98/1035	Intranuclear motion and genetic expression	I. Krekule (P. Hozák, ÚEM AVCR)	1998-2000	GACR
204/98/K015	Molecular mapping of the mammalian genome and positional cloning of mammalian genes	M. Pravenec (J. Forejt, ÚMG AVCR)	1998-2003	GACR
206/98/1510	Mechanisms of auxin and cytokinin cooperation in the regulation of plant cell division and elongation on the level of signal transduction	P. Svoboda (E. Zažímalová, ÚEB AVCR)	1998-2000	GACR
304/98/1613	1,2-dibromoethan-the significance of its genotoxic effect in developing organism	Z. Zemanová (B. Novotná, ÚEM AVCR)	1998-2000	GACR
188/98	Influence of non-enzymatic modifications of collagene on adhesion and growth of vascular smooth muscle cells in culture	L. Bacáková (J. Herget, 2. LFUK)	1998-2000	GAUK
306/99/1383	Changes of brush-border enzymes of enterocytes after antigenic stimulation and under the influence of cytokines	J. Kolínská (H. Kozáková, MBÚ AVCR)	1999-2001	GACR
304/99/0680	Origin of Merkel cells in mammals and birds	L. Kubínová (D. Buckiová, ÚEM AVCR)	1999-2001	GACR
302/99/0648	Genetic and functional manifestation of heteroplasmic mtDNA mutations	J. Houštek (J. Zeman, 1. LF UK)	1999-2001	GACR
106/99/0626	Study of the effect of surface properties of composit materials on their biocompatibility	L. Bacáková (V. Starý, CVUT)	1999-2001	GACR

309/99/1514	Neural circuits mediating the control of consumatory behavior	E. Bielavská (G. Brožek, 2. LF UK)	1999-2001	GACR
305/99/1481	Role of GABAergic system in anxiolytic and anticonvulsant effect of benzodiazepines	H. Kubová (M. Kršiak, 3. LF UK)	1999-2001	GACR
305/99/1317	Functional changes of capillaries isolated from brain tissue under normal and pathological ageing, effects of plant proteases	F. Štastný (Z. Křištofiková)	1999-2001	GACR
204/99/1528	Characterization of heavy metal-binding proteins in Basidiomycetes	I. Mikšík (J. Gabriel, MBÚ)	1999-2001	GACR
43/99	Differentiation of cytoskeletal components in relation to the development of transport functions of intestinal epithelium during ontogenesis	J. Pácha (R. Vagnerová, 1. LF UK)	1999-2001	GAUK
58/99	Membrane proteases and their relation to growth properties of glial cells	V. Mareš (A. Šedo, 1. LF UK)	1999-2001	GAUK
5161/3	Radiosurgical lesion of the rat hippocampus using the Leksell gamma knife	V. Mareš (R. Liščák, MZd)	1999-2001	IGAMZ
5495/3	Subpopulations of HDL cholesterol-esterification rate in children with risk factors for developing of coronary artery diseases	M. Dobiášová (P. Hách, 1. LFUK)	1999-2001	IGAMZ
5400/3	Neural transplantation and into experimental model of Huntingtons disease	V. Valoušková (I. Mazurová, ÚHE UK)	1999-2001	IGAMZ