

<b>Grant No.</b>	<b>Name</b>	<b>Principal Investigator</b>	<b>Funding Agency</b>
<b>Current</b>			
15-30155A	Impaired fatty acid metabolism in obstructive sleep apnea syndrome	Jan Polak, MD, PhD	Ministry of Health of the Czech Republic
16-29182A	The effect of physical activity and omega-3 fatty acids on metabolic health and adipose tissue dysfunction in elderly	Ing. Michaela Šiklová, PhD	Ministry of Health of the Czech Republic
16-00477S	LYMPHAT- Lymphostasis as a modulator of adipose tissue expansion and inflammation	Mgr. Lenka Rossmeislová, Ph.D.	Czech Science Foundation
16-14048S	Limited adipose tissue expandibility as a risk factor for Type 2. diabetes mellitus: the role of preadipocytes (LIMEX)	Vladimír Štich, MD, PhD	Czech Science Foundation
260387/SVV/2017	Molecular, endocrine and genetic aspects of diabetes mellitus development	Jan Polak, MD, PhD	Charles University in Prague
<b>Previous</b>			
260165/SVV/2016	Diabetes mellitus, a complex metabolic disease with multiple aspects	Jan Polak, MD, PhD	Charles University in Prague
NT14486	The role of fatty acids in the regulation of the inflammatory state of adipose tissue	Ing. Michaela Šiklová, PhD	Ministry of Health of the Czech Republic
13-27735S	Impairments in adipose tissue metabolism leading to the development of diabetes in obstructive sleep apnea syndrome	Jan Polak, MD, PhD	Czech Science Foundation
226214/2014	The effect of intermittent hypoxia on the regulation of lipolysis and development of impairments in insulin signalization in adipose tissue of mice in a model of obstructive sleep apnea.	Mgr. Martin Weiszenstein	Charles University in Prague
126908/2008	The effect of adiponectin and its polymeric isoforms on the regulation of lipolysis in visceral and subcutaneous adipose tissue	Zuzana Wedellová, MD	Charles University in Prague
NB6832	Regulation of adipose tissue metabolism in patients with thyroid gland dysfunction assessed in vivo (microdialysis) and in vitro (adipose tissue gene expression)	Jindřiška Hejnová, MD	Ministry of Health of the Czech Republic
GAUK 94/2004/C	The role of fatty acid composition in the regulation of gene expression in adipose tissue	Eva Klimčáková Mgr., Ph.D.	Charles University in Prague

GAUK 72/2005/C	Quantification of adiponectin polymeric isoforms in relation to parameters of insulin resistance and dietary intervention in obese women	Polák Jan, MD	Charles University in Prague
GAUK 58/2003	Long-term development of metabolic syndrome indices in obese individuals after dietary intervention-induced weight loss	Blanka Richterová Mgr.	Charles University in Prague
GAP301/11/0748	The role of endoplasmic reticulum stress in pathogenesis of obesity induced inflammation of human adipose tissue	Lenka Rossmeislová, Mgr., Ph.D.	Czech Science Foundation
GA303/07/0840	The regulation of adipokine and other protein production in adipose tissue in vivo in healthy and obese subjects	Vladimír Štich, MD, PhD	Czech Science Foundation
NR9161	The association of nutrition and secretion of adipokines and associated proteins in adipose tissue	Vladimír Štich, MD, PhD	Ministry of Health of the Czech Republic
GA303/04/0158	The role of adipose tissue in pathogenesis of insulin resistance in women with polycystic ovary syndrome	Vladimír Štich, MD, PhD	Czech Science Foundation
NR8066	The role of visceral adipose tissue in the pathogenesis of metabolic syndrome investigated by the molecular genetic characteristics of adipose tissue	Vladimír Štich, MD, PhD	Ministry of Health of the Czech Republic
NB6836	The use of aerobic and strength training in therapy of metabolic syndrome	Vladimír Štich, MD, PhD	Ministry of Health of the Czech Republic
GA303/00/0649	The effect of high fat diet on the regulation of adipose tissue metabolism	Vladimír Štich, MD, PhD	Czech Science Foundation
NB4674	Adipose tissue metabolism evaluated by molecular biology methods in obese subjects from regions differing in the cardiovascular risk profile.	Vladimír Štich, MD, PhD	Ministry of Health of the Czech Republic
IZ3611	The effect of aerobic exercise training program on adrenergic regulation of lipolysis in adipose tissue	Vladimír Štich, MD, PhD	Ministry of Health of the Czech Republic

**European  
Framework  
Programs:  
Consortium  
member**

QLK1-CT-2000-00618	The NUGENOB (Nutrient-gene interactions in human obesity	Vladimír Štich, MD, PhD	European Union FP5-LIFE QUALITY
512066	MOLPAGE: Molecular phenotyping to accelerate genomic epidemiology	Vladimír Štich, MD, PhD	European Union FP6-LIFESCIHEALTH
18734	HEPADIP: Hepatic and adipose tissue and functions in the metabolic syndrome	Vladimír Štich, MD, PhD	European Union FP6-LIFESCIHEALTH
201100	ADAPT: Adipokines as Drug Targets to Combat Adverse Effects of Excess Adipose Tissue	Vladimír Štich, MD, PhD	European Union FP7-HEALTH
513946	DIOGENES (Diet, obesity and genes)	Vladimír Štich, MD, PhD	European Union FP6-FOOD