

Institute of Entomology (IE) - List of projects and contracts

Provider	Registr. No.	Name of the project (contract)	Duration	Recipient	Partner	Investigator
IAEA Wien	12055/R	Development of a Genetic Sexing System in the Codling Moth	2002 - 2009	IE		Marec F.
Národní vzdělávací fond, o.p.s.	EEA NFM CZ0046 A/CZ0046/1/0018	Quantitative profiling of metabolites in one-carbon metabolism for large scale clinical and experimental studies from birth to adolescence	2008 - 2010	IE		Šimek P.
Centrum pro regionální rozvoj ČR	ERDF - Interreg IV Cíl 3 - č. 28	Backgrounds for prediction of Norwegian bark beetles mass outbreaks	2008 - 2010	IE	Technická Univerzita Mnichov	Doležal P.
Národní vzdělávací fond, o.p.s.	A/CZ0046/2/0029	Monitoring the environment of man-made lakes: what can fisheries data and models tell us?	2009 - 2010	IE	IHB	Boukal D.
EC ERG FP7	AquaMod 239543 FP7-PEOPLE-ERG-2008 MARIE CURIE	Modelling individual life histories and population dynamics of predatory aquatic insects: the role of body size	2009 - 2012	IE		Boukal D., Křivan V.
GA AV	A100070601	Mathematical modeling of biological networks	2006 - 2009	IE		Křivan V.
GA AV	IAA500070601	Molecular mechanisms for the growth factor action of two Drosophila protein families	2006 - 2010	IE		Žurovec M., Böhmová M.
GA AV	KJB600960705	Diversity, host specificity and vertical stratification of insects: Comparison of key ecological characteristics of insect communities in different tropical and temperate regions	2007 - 2009	IE	MU Brno	Čížek L.
GA AV	KJB612230701	Ecology and systematics of New Guinea ants – exploring the unknown fauna	2007 - 2009	IE		Janda M., Klimeš P.
GA AV	IAA600960705	Pest aphids in forest protection: integration of molecular-biological approaches and bio-systematical information	2007 - 2009	IE		Havelka J., Žurovcová M.
GA AV	IAA600960712	Interactions between plants, herbivores, parasitoids and predators in a tropical rainforest: disentangling a complex food web	2007 - 2011	IE		Novotný V., Klimeš P., Hřeček J.
GA AV	IAA500960802	Monitoring protein-protein interactions in vivo	2008 - 2012	IE		Doležel D.
GA AV	IAA500960906	Juvenile hormone action during insect metamorphosis	2009 - 2013	IE		Jindra M.
GA AV	IAA600960925	Evolutionary history of sex chromosomes in Lepidoptera	2009 - 2013	IE		Marec F., Korčhová M.
GA ČR	GA522/07/0788	Study of insect neurohormones as potential biorationale pesticides	2007 - 2009	IE		Kodřík D., Socha R.
GA ČR	GA206/07/J041	Neural basis of insect magnetoreception	2007 - 2010	MU Brno	IE	Šauman I.
GA ČR	GA204/07/1032	Genetic analysis of circadian and developmental genes in a new insect model	2007 - 2011	IE		Šauman I., Neužil R.
GA ČR	GA206/07/0269	Cold-acclimation in insects: Biosynthesis of cryoprotectants and restructuring of biological membranes	2007 - 2011	IE		Koštál V.
GA ČR	GA204/08/P579	Molecular and genetic study of Pyrrhocoris apterus photoperiodic clock	2008 - 2010	IE		Doležel D.
GA ČR	GA522/08/1407	Development of male accessory glands and their role in reproduction of Culex pipiens s.l. and Spodoptera littoralis	2008 - 2010	IE		Gelbič I.
GA ČR	GP522/08/P600	The influence of temperature on the course and termination of imaginal diapause in the Norwegian spruce bark beetle, Ips typographus (L.)	2008 - 2010	IE		Doležal P.
GA ČR	GD206/08/H044	Plants, insects and vertebrates: integrated study of ecological and evolutionary interactions	2008 - 2011	PfF JU	IE	Novotný V., Konvička M., Klimeš P., Hřeček J.
GA ČR	GA206/08/1389	Phylogeography and biodiversity of mayflies (Ephemeroptera) in northern Pontic Region: taxonomic, ecological and molecular taxonomic approach	2008 - 2012	IE		Hodunko R., Sroka P., Soldán T.
GA ČR	GP522/09/P382	Physiological role of aphid adipokinetic hormone: its interaction with juvenile hormone and influence on vitellogenin synthesis and reproduction	2009 - 2011	IE		Jedlička P.
GA ČR	GA203/09/2014	New approaches to alkylchloroformate-mediated sample preparation for parallel GC-MS and LC-MS for metabolite analysis in biofluids	2009 - 2011	IE		Šimek P.

GA ČR	GA522/09/1940	Population genetics and environmental interactions of Russian wheat aphid <i>Diuraphis noxia</i> , an alien invasive pest of cereals in the Czech republic	2009 - 2012	IE		Havelka J., Žurovcová M.
GA ČR	GA206/09/0115	Ecological determinants of biodiversity distribution in tropical forests: a synthesis for Lepidoptera communities in New Guinea	2009 - 2013	IE		Novotný V., Klimeš P., Hrček J.
GA ČR	GA523/09/2106	Development of Genetic Sexing Lines in the Codling Moth	2009 - 2013	IE		Marec F., Korchová M.
MŠMT	1M06030	Functional genomics and proteomics in plant breeding	2006 - 2009	MZLU Brno	IE	Sehnal F., Kodřík D.
MŠMT	LC06077	Center of Chemical Genetics	2006 - 2010	IE	IE	Žurovec M., Böhmová M.
MŠMT	LC06073	Biodiversity Center	2006 - 2010	ÚSBE	IE	Novotný V., Janda M., Čížek L., Konvička M., Klimeš P., Hrček J.
MŠMT	2B06129	Model organisms as tools for understanding genes whose function is necessary for human health	2006 - 2011	IE, IP		Jindra M., Šauman I.
MŠMT	2B06005	New alternative approaches in pest control of the horse-chestnut leafminer <i>Cameraria ohridella</i> supporting biodiversity of its natural enemies	2006 - 2011	Prenerová E.	IE	Zemek R.
MŠMT	ME 907	Enhanced integrative studies of insect silks through international collaboration	2007 - 2009	IE		Sehnal F.
MŠMT	ME 916	Plant - insect food webs in the course of ecological succession in a tropical rainforest	2007 - 2009	IE		Novotný V., Klimeš P.
MŠMT	LC07032	Center of functional genetics	2007 - 2011	UK Praha	IE	Šauman I., Neužil R.
MŠMT	ME08020	Entomopathogenic nematodes (Steinernematidae and Heterorhabditidae), Czech and China fauna and their possible use in biological plant protection	2008 - 2010	IE		Mráček Z.
MŠMT	2B08003	Biodiversity of mosquitoes - vectors of pathogenic agents: changes in the context with climatic fluctuations	2008 - 2011	IE	QUAIL s.r.o., Ústav biologie obratlovců	Gelbič I.
MŠMT	7F09028 EEA NFM CZ0046 A/CZ0046/1/0018	Support of project EEA NFM "Quantitative profiling of metabolites in one-carbon metabolism for large scale clinical and experimental studies from birth to adolescence" (by MEYS)	2009 - 2010	IE		Šimek P.
MŠMT	ME09082 KONTAKT	Survey and inventory of New Guinea forest trees and arthropods	2009 - 2011	IE		Novotný V., Janda M., Lepš J., Klimeš P., Hrček J.
Mze - NAZV	QH91093	Introduction of insect-resistant and herbicide-tolerant transgenic maize varieties in the Czech Republic, with respect to the biotic elements of agroecosystems	2009 - 2011	Česká zemědělská univerzita v Praze	IE, VÚRV	Habuštová O.
Mze - NAZV	QI91A229	Application of conventional and molecular genetic approaches for the development of grain legumes resistant to viral and fungal pathogens and insect pests	2009 - 2013	Agritec Plant Research s.r.o.	IE, MZLU Brno, UP Olomouc, SEMO, s.r.o. Smržice	Kodřík D.
MŽP	SP/2d3/62/08	Factors affecting farmland biodiversity: using an existing system of agricultural pest monitoring for general monitoring of night-active Macrolepidoptera	2008 - 2011	IE	MZLU Brno	Konvička M. Novotný D.
MZd	MZd 9755-3	New approaches in metabolite analysis in biofluids and their applications for clinical diagnostic	2009 - 2010	FN Ostrava	IE	Šimek P.
MK	DC08P02OUK004	The cataloguing and accessing of type beetles (Coleoptera) deposited in collections of the Entomological department of the National Museum in Prague.	2008 - 2010	Muzeum Praha	IE	Bezděk A.
ASCR	1QS500070505	Monitoring of insect biodiversity and evaluation of ecosystem changes applied in nature conservation	2005 - 2009	IE		Soldán T., Spitzer K.
Monsanto Europe S.A.	620/7044	Action of the beetle-specific Cry3Aa on the reproduction of Lepidoptera	2007 - 2009	IE		Habuštová O., Sehnal F.

IE	640/7092	Symposium SIEC21	2008 - 2009	IE		Soldán T.
Monsanto Europe S.A.	Monsanto09 (Mon88017)	Agriculture experiments	2009 - 2009	IE		Habuštová O., Sehnal F.
Správa NP Č. Švýcarsko	SNPCS 01353/2009	Monitoring of aquatic insects of orders Ephemeroptera, Plecoptera, Megaloptera and Neuroptera (aquatic species) at selected localities of the National park České Švýcarsko	2009 - 2009	IE		Soldán T.
AOPK ČR	650/7124	Extensive monitoring of butterfly species important from the view of ES	2009 - 2009	IE		Konvička M.
AOPK ČR	650/7125	Extensive monitoring of butterfly species important from the view of ES	2009 - 2009	IE		Konvička M.
IVAX	05/2009/ARD/A410	Contract of scientific collaboration: measurements of substances made by IVAX Pharmaceuticals s.r.o., their impurities and intermediate products	2009 - 2009	IE		Šimek P.
AOPK ČR	650/7130	Intensive monitoring of Rosalia longicorn (Rosalia alpina)	2009 - 2009	IE		Čížek L.
GS LČR	Sml. 8/2008	Diapause of Norwegian bark beetle - possible way of increasing the effectivity of protective operations	2009 - 2013	IE		Doležal P.

Up-dating: 16.8.2009

For more details about projects see: <http://aplikace.isvav.cvut.cz/>

Explanatory notes:

ASCR - Academy of Sciences of the Czech Republic
GA AV - Grant agency of the ASCR
GA ČR - Grant agency of the Czech Republic
MZd - Ministry of Health
MŠMT - Ministry of Education, Youth and Sports
MF - Ministry of Culture
JU - University of South Bohemia