

## Research Income 2005/06

Grants and contracts awarded between 1 August 2005 to 31 July 2006

### Accounting, Finance and Management

Award Holder	Funding Body	Amount	Project Title	Duration
Dr G Bakker	Economic and Social Research Council	£99,455	AIM Ghoshal Fellowship: Productivity and Technical Change in Services, 1750-2000	1 year
Professor H Hopfl	The British Academy	£7,366	Aesthetics and organizational learning: the implications for practice	2 years
Dr O Belova	The British Academy	£1,200	Polyphony and dialogism as ways of organising	2 days
Total		£108,021		

### Art History and Theory

Award Holder	Funding Body	Amount	Project Title	Duration
Mr M Poole	Arts and Humanities Research Council	£2,068	Experiencing the Pleasures and Persuasions of Lens-based Media	3 months
Professor D Ades	The British Academy	£2,000	Bataille/Einstein/Leiris: The Use-Value of Documents	2 days
Total		£4,068		

### Biological Sciences

Award Holder	Funding Body	Amount	Project Title	Duration
Professor C Cooper	Biological and Biotechnological Research Council	£341,278	A complete model of oxygen consumption by mitochondrial cytochrome c oxidase	3 years
Professor P Thornalley	Biological and Biotechnological Research Council	£274,193	Studies on the prevention of ageing and cell senescence in vitro	3 years
Professor G Underwood and Dr T McGenity	Natural Environment Research Council	£267,152	Degradation of dissolved complex polysaccharides in estuarine littoral zones	3 years
Professor R Geider, Professor G Apton and Dr A Clark	Natural Environment Research Council	£150,599	Marine Biogeochemistry and Ecosystem Initiative in QUEST	4 years
Professor C Cooper	Engineering and Physical Sciences Research Council via UCL	£100,190	A multidisciplinary approach to non invasive optical measurements of cellular energetics in human brain	3 years
Professor K Timmis and Dr J Hallsworth	National Research Centre for Biotechnology	£64,861	Biotransformation: product toxicity and cofactor regeneration	3 years
Professor G Underwood and Professor D Thomas	Natural Environment Research Council	£64,459	Is increased chemical complexity of extracellular polymeric substances (EPS) related to increasing salinity in polar sea ice?	1 year
Professor C Raines	Biological and Biotechnological Research Council	£2,076	International scientific interchange scheme analysis of transgenic tobacco plants with increased plastid transketolase	1 month
Professor C Cooper	Biological and Biotechnological Research Council	£2,000	Royal Society Summer Exhibition	6 months
Dr V Demidchik	The Royal Society	£1,750	Travel grant	3 months
Dr S Bunting	Department for International Development	£7,411	Evaluating action planning for enhanced natural resources management in peri-urban Kolkata	6 months
Dr C Whitby and Dr T McGenity	Oil Plus Limited	£10,950	Development of antisense oligonucleotides using DSRAB genes in desulfovibrio desulfuricans as a model	3 months
Professor J Pretty	Unilever	£36,352	Unilever's Sustainable Agriculture Initiative	6 months
Professor G Underwood	Colchester Oyster Fisheries Ltd	£9,270	Ecology of Native Oysters in the River Colne Estuary	6 years
Dr C Whitby	Society for Applied Microbiology	£2,096	Microbial degradation of toxic coal tars and coal tar-containing waste soils	10 weeks
Professor N Fernandez	Society for Reproduction and Fertility	£1,320	Summer Vacation Scholarship for Katie Dickinson	2 months

Dr E Klenova	The Breast Cancer Research Trust	£87,204	A study of the protein BORIS in breast tumour samples: can BORIS be used as a cancer biomarker?	3 years
Professor C Raines	The Royal Society	£4,276	The Role of SBPase Activity in C3 and C4 Photosynthesis	2 months
Dr D Micklewright	Hospitality, Leisure, Sport and Tourism Network, Oxford Brookes University	£3,286	Intentions and Behaviour in Personal Development Planning	1 year
Dr P Reeves	The Biochemical Society	£1,600	Expression and purification of GCR1: a G-protein coupled receptor from Arabidopsis thaliana	9 weeks
Dr C Whitby	The Nuffield Foundation	£1,440	Establishing which microorganisms of the nitrogen cycle are active in marine sediments	8 weeks
Dr C Whitby	The Wellcome Trust	£1,360	Vacation Scholarship for Ms Quaioco: A molecular analysis of the distribution of airborne microorganisms in a hospital environment	8 weeks
Professor C Cooper	The Biochemical Society	£1,280	Nitric oxide binding to cardiolipin-bound mitochondrial cytochrome <i>c</i>	7 weeks
Professor P Thornalley	The Royal Society	£800	Conference grant: American Diabetes Association Scientific Sessions, Washing DC	1 month
Professor G Underwood	The Royal Society	£616	Travel grant	1 year
Professor C Raines	The Royal Society	£420	Conference grant: ComBio2005	1 week
Professor P Thornalley, Professor G Stanway and Professor N Fernandez	The Wellcome Trust	£220,760	Structural and functional epitope mapping of proteins involved in mechanisms of disease (equipment grant)	3 years
Professor M Wilson	The EMF Biological Research Trust	£169,742	Investigations of magnetic field effects on the formation and termination of lipid peroxide radicals in biological membrane systems	3 years
Professor P Thornalley	Cancer Research UK	£29,894	Methylglyoxal as a downstream mediator of antitumour drug cytotoxicity and link to glyoxalase 1 - associated multidrug resistance (year 2 of 4)	1 year
Dr N Ahmed and Professor P Thornalley	British Heart Foundation	£133,714	Studies of glycation of apolipoprotein B100 in dyslipidaemia and atherosclerosis in diabetes	3 years
Professor P Thornalley and Dr N Ahmed	European Commission	£107,403	PREDICTIONS	3 years
Professor D Nedwell	European Commission	£106,198	Diversity and ecological function of benthic nitrate reducing populations along an estuarine nitrate gradient	2 years
Professor I Colbeck	European Commission	£48,745	NANOCAP	3 years
Professor G Stanway	European Commission	£11,328	Viruses in Diabetes (5 months' extension)	4 years
Professor K Timmis and Dr T McGenity	European Commission	£214,470	Fast Advanced Cellular and Ecosystems Information Technologies (FACEIT)	3 years, 6 months
Dr M Metodiev	The National Institute of Health - USA	£144,367	Yeast based model of anthrax lethal factor toxicity	20 months
Professor J Norton	Southend Hospital NHS Trust	£60,471	Clinical Research Fellowship: A Clinical Study of Protein Expression Profiling in Breast Cancer	14 months
Professor J Norton	Essex Rivers Healthcare Trust	£56,402	Clinical Research Fellowship: Development and evaluation of a novel serological diagnostic method for colorectal cancer	2 years
Professor J Norton	Ipswich Hospital	£71,434	Tumour markers for predicting response to radiotherapy in head and neck cancer	2 years
Total		£2,813,167		

#### Centre for Environment and Society

Award Holder	Funding Body	Amount	Project Title	Duration
Professor J Pretty	Tendring District Council	£14,421	Harwich Haven Gateway Survey and Analysis of Rural Deprivation	9 months
Miss R Hine and Professor J Pretty	BTCV Cymru	£12,000	Evaluating the impact of environmental volunteering on behaviours and attitudes to the environment	9 months
Professor J Pretty	Colchester Borough Council	£3,550	Colchester Core Strategy Summer Workshops	9 months
Professor J Pretty	Buckinghamshire County Council	£3,300	"A New Voice for Rural Buckinghamshire" Participatory Event	4 months
Professor J Pretty	The Living Naze	£3,000	The Living Naze, Community Consultation	7 months

Professor J Pretty	Durham County Council	£1,500	Easington Colliery Circular Path	3 months
Professor J Pretty	The Susie Fisher Group	£900	Do people feel healthier in the countryside?	3 months
Professor I Colbeck	Applied Environmental Research Centre Ltd	£2,650	Measurements of Bioaerosols	6 months
Professor J Pretty	The National Trust	£18,000	Green lungs for the East of England	9 months
Professor J Pretty	Food and Agriculture Organisation of the UN	£8,445	International Conference on Agrarian Reform and Rural Development	7 months
Dr S Bunting and Professor J Pretty	European Commission	£124,949	MANGROVE: Mangrove ecosystems, communities and conflict: developing knowledge-based approaches to reconcile multiple demands	3 years, 6 months
Total		£192,715		

#### Chimera (ISTIR)

Award Holder	Funding Body	Amount	Project Title	Duration
Dr B Anderson	Office of the Deputy Prime Minister	£5,830	The Feasibility of Producing Small Area Income Estimates	3 months, 1 week
Dr B Anderson	British Telecom	£186,644	Whole Market Model: spatial microsimulation of time and money in Britain - Phase 2	2 years
Dr B Anderson	British Telecom	£29,000	LIPHE - Lifestyle Management through Personal Health and Wellbeing Services	3 years
Dr C Partridge	British Telecom	£3,200	Transcription work for BT	4 months
Total		£224,674		

#### Computer Science

Award Holder	Funding Body	Amount	Project Title	Duration
Dr J Q Gan, Professor H Hu and Dr F Sepulveda	Engineering and Physical Sciences Research Council	£261,939	AABAC: Adaptive Asynchronous Brain-Actuated Control	3 years
Dr K McDonald-Maier	Engineering and Physical Sciences Research Council	£136,702	ESPACENET: Evolvable Networks of Intelligent & Secure Integrated & Distributed Reconfigurable System-On-Chip Sensor Nodes for Aerospace Based Monitoring & Diagnosis	2 years
Dr K McDonald-Maier	Engineering and Physical Sciences Research Council	£265,844	ReSIP - Reconfigurable System-on-Chip based Networks of Integrated and Distributed Sensor Platform Nodes for Environmental Diagnostic and Sensing	3 years
Dr K McDonald-Maier	Engineering and Physical Sciences Research Council	£213,374	Networking of Distributed Sensors for Proactive Condition Monitoring of Wind Turbines	3 years
Dr K McDonald-Maier	Engineering and Physical Sciences Research Council	£39,219	Debug Support Strategy for Systems-on-Chips with Multiple Processor Cores	6 months
Dr N Voelker	Department for Trade and Industry	£3,358	Knowledge Transfer Partnership (adjustment)	2 years
Dr H Hagras	Department for Trade and Industry	£117,756	Knowledge Transfer Partnership	3 years
Professor E Tsang	British Telecom	£75,000	Flexible Logistics in Workforce Management	3 years
Dr H Hagras	Sanctuary Social Care Ltd	£79,510	Knowledge Transfer Partnership	3 years
Dr N Voelker	A Recipe for Success Ltd	£3,450	Knowledge Transfer Partnership (adjustment)	2 years
Professor E Tsang	Honda Research Institute Europe GMBH	£24,631	Modelling distribution of pareto-optimal solutions for multi-objective optimization	1 year extension
Total		£1,220,783		

#### Economics

Award Holder	Funding Body	Amount	Project Title	Duration
Dr H Weeds	Economic and Social Research Council	£47,042	The Economics of Broadcasting in the Digital Age	1 year
Total		£47,042		

### Electronic Systems Engineering

Award Holder	Funding Body	Amount	Project Title	Duration
Professor I Henning, Professor M Adams and Professor B Ridley	Engineering and Physical Sciences Research Council	£1,182,842	Portable Terahertz Systems Based on Advanced InP Technology - PORTRAIT	3 years
Dr K Guild, Professor M O'Mahony and	Engineering and Physical Sciences Research Council	£882,868	Heterogeneous IP Networks (HIPNet)	3 years, 6 months
Dr K Yang	Engineering and Physical Sciences Research Council	£213,298	Policy based model driven Pervasive Service Creation and Adaptation (PANDA)	2 years, 6 months
Dr K Guild	Engineering and Physical Sciences Research Council	£210,378	Ultra Fast Optical Routing including Impairment Constraints (UFORIC)	2 years, 6 months
Dr D Hunter and Professor I Henning	Engineering and Physical Sciences Research Council	£181,738	Traffic Modelling for Sensor Network Optimisation and Development (TRAMSNOD)	3 years
Professor N Balkan	Engineering and Physical Sciences Research Council	£12,195	International Conference on Superlattice Nanostructures	1 year
Professor M Ghanbari, Dr J Woods, Dr M Fleury and Dr D Crawford	Office of Communications	£39,716	Future performance of Video Codecs	3 months
Professor D Simeonidou	The British Council	£5,000	Autonomous optical networks for global grid computing applications	2 years
Professor D Barber	The British Council	£500	Nanoparticle-bearing inorganic-organic hybrid systems for use in optical applications and sensors (extension)	2 years
Dr M Reed	British Telecom	£29,000	CASE Studentship for C Reynolds: Delivery of shared audio spaces	2 years, 10 months
Dr M Reed	British Telecom	£20,000	Research into FPGAs for PONs	
Professor M Ghanbari	The Royal Society	£5,272	India-UK Science Networks, Visiting Fellowship - Dr E Khan	3 months
Dr S Sangwine	The Royal Academy of Engineering	£300	International Travel grant for a research visit to Laboratoire des Images et des Signaux, Grenoble	7 days
Professor D Simeonidou	European Commission	£217,764	Multi Service Access Everywhere II (MUSE II)	2 years
Professor D Simeonidou	European Commission	£177,643	The Triumph Project	3 years
Professor M O'Mahony, Professor D Simeonidou, Dr K Guild and Professor S Walker	European Commission	£72,614	e-Photon/One+	2 years
Dr N Zakhleniuk	University of Cornell, USA	£32,198	High frequency AlGaIn/GaN hems sow	2 years, 3 months
Professor B Ridley	Office of Naval Research	£46,975	Theory of Electron Transport at High Electric Fields in Nitride Structure	1 year
Total		£3,330,301		

### Government

Award Holder	Funding Body	Amount	Project Title	Duration
Mr E Tanenbaum	Economic and Social Research Council	£79,814	Essex Summer School in Social Science Data Analysis	3 years
Professor D Sanders	European Commission	£41,641	Integrated and United? Citizenship in an 'Ever Closer Europe' (INTUNE)	4 years
Professor A Weale	The Nuffield Foundation	£7,367	Deliberative democracy and parliamentary debate	6 months
Dr T Landman	The British Academy	£700	Conference grant: International Political Science Association World Congress 2006	5 days
Total		£129,522		

**Health and Human Sciences**

<b>Award Holder</b>	<b>Funding Body</b>	<b>Amount</b>	<b>Project Title</b>	<b>Duration</b>
Dr G Green and Professor R Hancock	The Secretary of State for Health	£259,100	East of England Regional Development Support Group (RDSG)	3 years
Professor G Green	The Indigo Trust	£35,000	A proposal to investigate the emotional and mental health needs of young military personnel	18 months
Professor R Hancock	Pensions Policy Institute	£3,060	The Role of Means-testing in State Pensions Policy	2 months, 2 weeks
Mr A Hildon	Essex Primary Care Research Network	£2,281	Practice Managers Work Related Education Study	6 months
Total		£299,441		

**History**

<b>Award Holder</b>	<b>Funding Body</b>	<b>Amount</b>	<b>Project Title</b>	<b>Duration</b>
Dr C Tait	Arts and Humanities Research Council	£14,013	The Early Modern British Isles, 1485-1691: Society and Politics in Five Nations	4 months
Professor S Smith	The British Academy	£226,554	Struggling with 'superstition': Communism versus popular culture in Russia (1917-41) and China (1949-76)	2 years
Dr A Rowlands	The British Academy	£1,994	Witchcraft and Masculinities in the Early Modern World	3 days
Dr E A Swift	The British Academy	£900	Travel grant	4 months
Total		£243,461		

**Human Rights Centre**

<b>Award Holder</b>	<b>Funding Body</b>	<b>Amount</b>	<b>Project Title</b>	<b>Duration</b>
Professor F Hampson, Professor G Gilbert, Ms E Griffin and Ms C Sandoval-Villalba	Economic and Social Research Council	£137,762	Human Security, Protection and Stability: Using Human Rights and the Rule of Law	2 years
Professor S Leader	The British Academy	£1,998	International Project Finance and Human Rights	2 days
Professor Sir Nigel Rodley	European Commission	£110,123	Cutting Torture in the People's Republic of China	3 years
Dr T Landman	International IDEA	£51,625	State of Democracy: Handbook Update and Network Website Content	11 months
Professor P Hunt	The Ford Foundation	£51,101	Support for the UN Special Rapporteur on the Right to Health	1 year
Dr T Landman	United Nations Development Programme	£32,456	Mongolia State of Democracy Project	1 year
Professor P Hunt	MedAct	£18,719	Support for the UN Special Rapporteur on the Right to Health	6 months
Professor P Hunt	UNESCO	£11,200	Impact Assessment; A Tool for Measuring the Impact of Policies on Poverty and Economic, Social and Cultural Rights: Using the Right to Health as a Case Study	3 months
Professor P Hunt	United Nations Population Fund	£200,418	Support for the UN Special Rapporteur on the right to the highest attainable standard of physical and mental health	3 years
Total		£615,402		

**Institute for Social and Economic Research**

<b>Award Holder</b>	<b>Funding Body</b>	<b>Amount</b>	<b>Project Title</b>	<b>Duration</b>
Professor J Gershuny	Economic and Social Research Council	£14,000	Research Centre on Microsocial Change (MISOC) Core Award 2004 - 2009 adjustment	5 years
Professor N Buck	Economic and Social Research Council	£40,503	UK Longitudinal Studies Centre Core Award 2004 - 2009 adjustment	5 years
Professor R Berthoud and Professor M Blekesaune	Department for Works and Pensions	£42,400	Equalities Review	10 weeks
Dr M Taylor	Low Pay Commission	£27,246	Inflows and outflows from the National Minimum Wage	11 months, 2 weeks

Dr E Sala, Dr E Del-Bono, Professor R Hancock and Professor S Pudney	Equal Opportunities Commission	£19,960	Older people: a gendered review and secondary analysis of the data	3 months
Professor S Pudney	The Home Office via NatCen	£7,575	The Arrestee Survey (adjustment)	2 years
Professor R Berthoud	The Nuffield Foundation	£152,547	Disability and Employment: a quantitative analysis	2 years
Professor H Sutherland	University of Cambridge	£54,123	Microsimulation Unit research	1 year
Ms M Taylor	European Commission	£489,518	European Centre for Analysis in the Social Sciences	4 years
Professor H Sutherland	European Commission	£186,479	Accurate Income Measurement for the Assessment of Public Policies (AIM-AP)	3 years
Professor H Sutherland	European Commission (via APPLICA SPRL)	£20,783	Establishment of a European observatory with the aim to inform the social policy debate and to provide analytical input for the report on the social situation in the EU (Lot 2 - Social Inclusion)	33 weeks
Total		£1,055,134		

### Language and Linguistics

Award Holder	Funding Body	Amount	Project Title	Duration
Professor A Spencer	Arts and Humanities Research Council	£43,458	Possession and attributive modification: a conceptual and typological investigation	1 year
Total		£43,458		

### Law

Award Holder	Funding Body	Amount	Project Title	Duration
Professor M Sunkin	The Nuffield Foundation	£30,000	Nuffield Foundation Seminars on Administrative Justice	8 weeks
Mr T Cornford	Arts and Humanities Research Council	£14,013	Towards a Public Law of Tort	4 months
Dr S Michalowski	Arts and Humanities Research Council	£14,013	Reconsidering the Third World debt problem from a legal perspective using the example of Argentina	4 months
Total		£58,026		

### Literature, Film and Theatre Studies

Award Holder	Funding Body	Amount	Project Title	Duration
Professor P Hulme, Dr M Fumagalli and Dr O Robinson	Arts and Humanities Research Council	£258,851	American Tropics: Towards a Literary Geography	4 years
Professor R Gray	The British Academy	£7,419	Transatlantic Exchanges: the south in Europe - Europe in the American South	1 year
Professor A Livingstone	The British Academy	£300	The Love of Space: Poetics of Place in the Artistic World and Fate of Pasternak	5 days
Dr B Klein	Folger Shakespeare Library	£3,332	Historicizing the Early Modern Ocean	3 months
Total		£269,902		

### Philosophy

Award Holder	Funding Body	Amount	Project Title	Duration
Dr E Hammer	Arts and Humanities Research Council	£14,013	Time and Existence	4 months
Total		£14,013		

### Psychology

Award Holder	Funding Body	Amount	Project Title	Duration
Dr D Roberson	Economic and Social Research Council	£46,868	Colour categorization in Korean and English: Is Less More?	1 year
Dr M Perugini	Unilever	£181,093	The role of goal conflict in behaviour change and the use of digital media to support resolution (extension)	28 months

Dr T Rakow	The British Academy	£7,274	Understanding the description-experience dissociation in decision making	11 weeks
Dr D Roberson	The British Academy	£500	Overseas Conference Travel grant	4 days
Professor S Orbell	National Institute of Health, USA via University of Cambridge	£11,000	Strategies to increase colorectal cancer screening uptake in primary care	2 years
Total		£246,735		

#### Sociology

Award Holder	Funding Body	Amount	Project Title	Duration
Dr P Iganski	London Probation Service	£3,977	An evaluation of the policy impact of the London Wide Race Hate Crime Forum	6 weeks
Dr A Canessa	The British Academy	£7,175	Indigenous people's concept of indigeneity: an investigation into indigenous identity through the use of oral history	2 years
Dr L Platt	The Joseph Rowntree Foundation	£6,733	Limiting illness and poverty: breaking the vicious cycle	18 months
Dr P Iganski	The British Academy	£3,158	Jewish opinion leaders' perspectives on outlawing anti-Jewish hatred	11 months
Dr P Cox	The British Academy	£3,000	Girls and the Politics of the Protection in Vietnam	4 months
Professor P Thompson	The Wellcome Trust	£2,188	Oral History in the History of Medicine (extension)	4 months
Dr P Iganski	The British Academy	£500	American Society of Criminology 58th annual meeting 2006	4 days
Total		£26,731		

#### UK Data Archive

Award Holder	Funding Body	Amount	Project Title	Duration
Ms M Wright and Professor K Schürer	Economic and Social Research Council	£1,559,301	Census Registration Service / Census Portal	5 years
Professor K Schürer	Economic and Social Research Council	£207,949	The UK Data Archive Core Award 2003-07 (adjustment)	4 years, 9 months
Dr M Woollard	Arts and Humanities Data Service (AHRC and JISC)	£144,377	Core funding for the AHDS History	1 year
Ms M Wright	Medical Research Council	£45,918	MRC Good Practice Guides	9 months
Professor K Schürer	The Joint Information Systems Committee via University of Edinburgh	£40,848	Source-to-output Repositories	2 years
Mr M Woollard	The Joint Information Systems Committee	£40,291	AHDS History: Historical Population Reports Project - additional funding	6 months
Total		£2,038,684		

#### University of Essex

Total £12,981,280