

## BWCH Research Foundation: All Awards

Completed

Abandoned

Ongoing/In Progress

Not yet started

**SPRF:** Springboard Paediatric Research Fellowship (Max £70,000); **SNACPRF:** Springboard Nursing & Allied Healthcare Professionals Research Fellowship (Max £70,000); **PhD:** PhD Studentship (Max. £90,000); **RP:** Research Project (Max. £70,000); **RPNAHP:** Research Project Nursing & Allied Healthcare Professionals (Max. £70,000); **SP:** Small Project Grant (Max. £10,000); **NP:** Nursing Project (Max. £10,000); **EP:** Epilepsy Project (*not available after 2012*)

BCHRF Reference	Type of award	Full Title	All Named Applicants	Total Award (£)	Award Date
BCHRF004	RP	Traumatic Brain Injury	Dr K Morris, Members of UK Paediatric Traumatic Brain Injury Research Group	£ 5,400.00	24/01/2002
BCHRF009	RP	Minimal residual disease monitoring in relapsed acute leukaemia using flow cytometry.	Dr S Lawson, Consultant Paediatric Haematologist	£ 50,905.00	24/01/2002
BCHRF013	SP	What is the ideal dose of protein substitute in PKU?	Dr A MacDonald, Dr G Rylance, Prof I W Booth	£ 11,750.00	24/01/2002
BCHRF014	RP	A molecular and molecular cytogenetic analysis of supratentorial high grade astrocytomas in childhood.	Dr R Grundy, Dr P Ramani, Dr V Davison, Birmingham Children's Hospital Paediatric Brain Tumour Research Group	£ 34,566.00	24/01/2002
BCHRF015	SPRF	The role of platelet activating factor (PAF) in the pathogenesis of necrotising enterocolitis (NEC). Advancing an established piglet model.	Dr A Ewer, Mr A Lander, Prof J Marshall	£ 47,554.00	24/01/2002
BCHRF017	RP	A comparison of the magnetic resonance spectroscopy and molecular genetics of childhood brain tumours.	Dr A Peet, Dr R Grundy, Dr B Morland, Dr S Chapman, Mr S Sgouros	£ 50,000.00	24/01/2002
BCHRF024	RP	Localisation of language function in children using functional brain imaging.	Dr S Seri	£ 27,409.00	24/01/2002
BCHRF047	SPRF	Analysis of chromosome imbalances in the malignant cells of Paediatric Hodgkin's disease; relationship to histological subtype, Epstein-Barr virus status and patient outcome.	Drs R Grundy, K Baumforth, P Murray	£ 42,923.00	06/05/2003
BCHRF048	SP	Microarray analysis of the DNA damage response in paediatric B precursor acute lymphoblastic leukaemia	Dr T Stankovic, Dr P Darbyshire, Dr S Lawson	£ 20,000.00	06/05/2003
BCHRF052	SP	Study to identify novel genes by autozygosity mapping and positional-candidate approach, that, when mutated cause ARC (arthrogryosis, renal dysfunction, and cholestasis) syndrome	Drs P Glssen, C A Johnson, Professors D Kelly, E R Maher	£ 18,485.00	06/05/2003
BCHRF053	SPRF	Does neuraminidase, released by certain microorganisms and associated with the Haemolytic Uraemic Syndrome (HUS), cleave complement Factor H from endothelial cells, leaving them susceptible to unrestrained local complement activation and endothelial injury?	Drs S Johnson, C M Taylor, J M Williams, Professor C O S Savage	£ 52,070.00	06/05/2003
BCHRF058	RP	Association studies of genetic variation in the ALMS1 gene and type 2 diabetes in the UK population	Dr T Barrett	£ 46,352.00	06/05/2003
BCHRF063	RP	Increased Imprinting Disorders in Children Born Following Assisted Reproductive Technologies (ART)	ER Maher, CLR Barratt, M Afnan	£ 24,857.00	06/05/2003
BCHRF065	RP	The development of a database management and analysis system for magnetic resonance spectroscopy examinations of childhood brain tumours.	A Peet, R Grundy, L MacPherson, S Sgouros, K Natarajan	£ 45,000.00	06/05/2003
BCHRF072	RP	Molecular and functional analysis of RASSF gene family members	Dr Farida Latif, Professor E Maher	£ 43,625.00	26/03/2004

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BCHRF075	SP	Phenylalanine exchanges in PKU: should they be weighed?	Drs A MacDonald, A Chakrapani, P Davies, Professor I W Booth	£ 14,790.00	26/03/2004
BCHRF079	RP	Metabolomics of childhood brain tumour tissue using Magic Angle Spinning Magnetic Resonance Spectroscopy	Drs A Peet, R Grundy, Prof M Overduin	£ 49,448.00	26/03/2004
BCHRF081	PhD	The role of the iodothyronine transporter MCT-8 in neural cell development	Profs M Kilby, J A Franklyn, Drs T Barrett, T Webb, C McCabe,	£ 52,420.00	26/03/2004
BCHRF084	RP	Investigation of the cellular response of neuroblastoma to chemotherapeutic agents	Drs C McConville, R Grundy, W Wei	£ 48,731.00	26/03/2004
BCHRF088	RP	Transcriptional profiling of paediatric Hodgkin's Lymphoma; Relationship to EBV status, histological subtype and clinical behaviour	Drs R Grundy, P Murray, M-A Brundler	£ 33,600.00	26/03/2004
BCHRF089	RP	Identification of autosomal recessive disease genes by autozygosity mapping	Profs E Maher, D Kelly, Drs C Johnson, T Barrett	£ 35,025.00	26/03/2004
BCHRF093	SP	Intestinal platelet-activating factor acetylhydrolase activity in a neonatal piglet model of necrotising enterocolitis	Dr A Ewer, Mr A Lander	£ 9,782.00	26/03/2004
BCHRF095	SP	Urinary monocyte chemoattractant protein-1 (MCP-1) as a non-invasive marker of renal inflammation	Drs U Mayana, C O'Brien, S Hulton, P Griffiths	£ 4,570.00	26/03/2004
BCHRF102	PhD	Heritability of Infancy Growth: The Birmingham Prospective Twin Study	Prof K S Khan, Drs M Zeegers, T Barrett, A Ewer, Messrs B Martin, H Gee, Prof I W Booth	£ 50,009.00	22/11/2005
BCHRF103	NP	What memories do children and young people have of their stay in the Paediatric Intensive Care Unit?	Srs J Grech, L Gough, Drs J Coad, D Farrell, Ms C Horsley, Mrs K Kelly	£ 9,990.00	01/06/2006
BCHRF106	RP	Paediatric Early Warning System	Drs H Duncan, C Parshuram, J Hutchison, Srs J Grech, E Gough	£ 40,124.00	06/07/2005
BCHRF109	SP	Evaluation of infant DXA software for a Lunar Prodigy Scanner	Dr N Shaw, Ms N Crabtree	£ 4,000.00	06/07/2005
BCHRF111	SP	BPSU Study of genital herpes infection in pre-pubertal children	Dr N Shaw, Ms N Crabtree	£ 15,197.00	22/11/2005
BCHRF115	SP	SNP mapping arrays to facilitate the identification of autosomal recessive disease genes by autozygosity mapping	Prof E Maher, Dr C Johnson	£ 14,000.00	06/07/2005
BCHRF121	SP	Comparison of Rectal Diazepam vs Buccal Midazolam for the treatment of prolonged and serial acute epileptic seizures in children at home.	Drs E Wassmer, W Whitehouse, Mrs B Concannon, Mrs B Waldron	£ 2,160.00	06/07/2005
BCHRF123	RP	Predicting clinical outcome from genotype: A molecular diagnostic service for paediatric genetic disease	Drs T G Barrett, N J Shaw, J M Kirk, T Cole, F MacDonald	£ 27,656.00	06/07/2005
BCHRF128	RP	Prevalence and prognostic significance of hyperglycaemia in critically ill non-diabetic children	Dr K Morris, Professor S Gough	£ 13,459.00	11/11/2005
BCHRF131	SP	The evaluation of SonoVue enhanced ultrasound in paediatric patients with tyrosinaemia	Mrs L Stewart, Dr K Johnson, Dr P McKiernan	£ 6,951.00	23/06/2006
BCHRF132	SPRF	Molecular genetic analysis of paediatric neurodegenerative disorders	Dr M A Kurian, Professor E Maher, Dr E Wassmer	£ 49,986.00	23/06/2006
BCHRF133	RP	Use of trans-oesophageal Doppler to monitor cardiac output in Paediatric Intensive Care	Dr H Duncan, Dr H Rowlands, Dr O Bagshaw	£ 14,214.00	23/06/2006
BCHRF135	RP	Functional characterization of meckelin	Dr C A Johnson, Professor E Maher	£ 41,554.00	23/06/2006
BCHRF136	RP	Adverse Effects of Glucocorticoid Therapy on Bone in Childhood Crohn's Disease (CD)	Dr M S Murphy, Dr M Cooper, Dr N Shaw	£ 48,696.00	23/06/2006
BCHRF137	RP	Investigation of the molecular and cell pathology of ARC syndrome using a murine model.	Dr P Gissen	£ 23,000.00	23/06/2006

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BCHRF142	SP	Securin and separase expression in intrauterine growth restricted (IUGR) fetal brains	Dr S Chan, Professor M Kilby	£ 9,850.00	23/06/2006
BCHRF144	SP	Feasibility study of newborn screening for Tyrosinaemia Type I (TT1)	Professor A Green, Drs M-A Preece, A Chakrapani, P McKiernan, P Gissen	£ 25,504.00	23/06/2006
BCHRF145	RP	The role of the Endoplasmic Reticulum Stress Response in the development of diabetes in Wolfram syndrome	Dr M Zatyka, Professor G Rutter, Dr T Barrett	£ 49,808.00	23/06/2006
BCHRF149	SP	The dental needs of children, adolescents and young adults undergoing cancer treatment for solid tumours	Miss A Hutton, Dr M English, Prof I Chappel, Mrs S McKaig	£ 2,040.00	24/10/2006
BCHRF150	NA	Modernising Florence: From routine to informed observation of sick children	Miss A McCabe, Mrs Y Heward, Dr H Duncan	£ 9,407.35	24/10/2006
BCHRF151	ER	Investigation of the Use of Biochemical Markers to Aid Diagnosis of Pyridoxine –Responsive Seizures and Predict Response to Pyridoxal Phosphate Therapy in Cases of Intractable Infantile Seizures	Dr M Kurian, Dr G Gray, Dr E Wassmer, Dr D Peake	£ 30,559.00	05/06/2007
BCHRF152	ER	Non-invasive mapping of epileptogenic cortex using MEG and EEG- triggered fMRI. Towards reducing morbidity in pre-surgical assessment of children with drug-resistant epilepsy.	Prof S Seri, Prof P Furlong, Dr S Philip, Mr A Walsh, Mr P Bill, Dr L Notghi	£ 49,995.00	24/10/2006
BCHRF157	RP	Virulence regulation in <i>Streptococcus agalactiae</i> (Group B Streptococcus; GBS).	Dr Mark Anthony	£ 48,922.00	05/06/2007
BCHRF160	SNAHCR	Adolescent satisfaction with transitional care across the paediatric-adult interface	Dr Janet E McDonagh, Dr Karen L Shaw, Dr Elizabeth Rankin	£ 41,656.00	05/06/2007
BCHRF161	RP	A longitudinal study of bone density and geometry in boys with Duchenne Muscular Dystrophy (DMD)and the impact of corticosteroids	Dr NJ Shaw, Dr H Roper	£ 35,974.00	05/06/2007
BCHRF164	RP	Techniques to Reduce Gaseous Microemboli during Cardiopulmonary Bypass	Mr Timothy Jones, Mr David Barron	£ 40,981.99	05/06/2007
BCHRF166	RP	Rapid Phenotype-directed molecular genetics analysis – An Evaluation Study	Dr P Gissen, Professor TR Barrett, Professor DA Kelly, Professor ER Maher	£ 50,000.00	05/06/2007
BCHRF169	RP	Developing a research clinic of the study of obesity in children	Barrett T, Baumann U, Chikermane A, Cummins C, Desai M, Hendriksz C, Kirk J, McDonagh J, Moy R, Taylor M.	£ 52,813.00	17/06/2008
BCHRF170	SP	Monitoring D-lactate concentration in pre-term infants with Necrotising Enterocolitis (NEC)	Dr K Morris, Mr D Herrera, Mr P Griffiths, Dr C Graham, Mr A Lander, Dr A Ewer	£ 7,860.00	05/06/2007
BCHRF173	SP	Endocrine function in Steroid Sulphatase Deficiency (The STS Study)	Prof W Arlt, Dr J Kirk, Dr C Moss	£ 10,000.00	05/06/2007
BCHRF177	SP	The diagnosis of respiratory chain disorders in the kidney	Drs C M Taylor, G Gray, S Hulton, C Hendriksz, R Malcomson, S Heales	£ 9,879.00	17/06/2008
BCHRF191	ER	A new treatment of children with refractory epilepsy using repetitive transcranial magnetic stimulation (rTMS): pilot study to assess feasibility , acceptability and anti-epileptic effects	Dr LM Notghi , Mr P Bill, Professor S Seri, Dr S Philip, Dr R Gupta	£ 49,050.00	24/11/2008
BCHRF194	SP	Identification of the causative disease gene for the inherited paediatric disease, phenotypic diarrhoea of infancy (PDI)	Dr J Hartley, Prof D Kelly, Prof E Maher	£ 9,000.00	17/06/2008
BCHRF200	RP	Towards a better understanding of hyperglycaemia in critically ill children	Dr K Morris, Prof S Gough, Dr D Macrae, Prof D Elborune, Prof F Gao, Mr P Narendran	£ 29,204.00	17/06/2008

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BCHRF201	SP	Feasibility of insulin sensitisation to prolong beta cell reserve and improve glycaemic control in newly diagnosed type 1 diabetes	Prof T Barrett, Dr P Narendran	£ 23,632.08	17/06/2008
BCHRF202	RP	Analysis of early disease response in childhood ALL - Can peripheral blood replace bone marrow analysis?	Dr S Lawson, Mrs J Jesson	£ 51,811.00	17/06/2008
BCHRF204	SPRF	Metabolomic approach to clinical evaluation of patients with known and suspected childhood neurodegenerative disorders	Dr J Davison, Dr A Peet, Dr P Gissen, Dr L MacPherson	£ 50,000.00	17/06/2008
BCHRF207	RP	Bone metabolism, bone mineral density and bone strength in childhood IBD - The impact of the biological agent infliximab versus the immunomodulator azathioprine	Dr M S Murphy, Dr N Crabtree, Dr N Shaw	£ 44,436.00	24/10/2008
BCHRF209	RP	Molecular Characterization of Retinoblastoma	Dr C McConville, Dr H Jenkinson, Dr MA Brundler, Dr P Kearns Mr M Parulekar, Dr A Peet	£ 60,054.00	14/07/2009 (04/09/2009)
BCHRF215	SPRF	High Resolution Microarray Analysis in Congenital Heart Disease (CHD)	Dr C Patel, Prof E Maher, Dr H Cox	£ 65,090.00	14/07/2009
BCHRF226	RP	Comparison of adrenal recovery after short- and long-term glucocorticoid therapy	Drs W Högler, AL McDermott, M Velangi, N Krone, Prof W Arlt	£ 29,000.00	14/07/2009
BCHRF230	RP	Non-invasive investigation of brain metabolism and function in children with neurodegenerative diseases.	Drs A Peet, P Gissen, C Hendriks, A Olson, Prof Z Kourtzi	£ 62,224.00	14/07/2009
BCHRF231	RP	High resolution SNP microarray analysis to detect causative copy number imbalances and genes in patients with orofacial clefting	D McMullan, J Morton, E Maher	£ 57,730.00	14/07/2009
BCHRF235	RP	Imaging, targeting and delivery of anticancer drugs to leukaemia cells by functionalized nanoparticles	Drs B Kysela, P Kearns, Z Pikramenou	£ 37,461.00	14/07/2009
BCHRF244	ER	Molecular Genetic Investigation of Autosomal Recessive Cryptogenic Infantile Spasms (ARCIS)	Dr Manju Kurian, Professor Eamonn Maher, Dr Evangeline Wassmer	£ 30,000.00	04/08/2010
BCHRF252	RP	Whole body vibration as an osteogenic treatment for mild osteogenesis imperfecta	Dr Wolfgang Högler, Dr Nick Shaw, Dr Nicola Crabtree, Ms Lindsay Rae, Dr Paul Davis	£ 68,045.94	13/10/2010
BCHRF253	PhD	Molecular studies of hepatitis C virus mother-child transmission.	Professor Jane McKeating, Professor Deirdre Kelly	£ 69,633.00	11/08/2010
BCHRF255	SP	Vitamin D and innate immunity in children screened for tuberculosis	Dr Welch, Dr Shaw, Dr Hackett, Dr Lamma, Dr Akula	£ 10,004.00	13/10/2010
BCHRF258	RP	Generation of Induced Pluripotent Stem Cells from Fibroblastic Cells obtained from Patients with Inherited Disorders of Protein Metabolism.	Dr Paul Gissen, Dr James Davison, Dr Phillip Newsome, Professor Jon Frampton	£ 67,228.00	04/08/2010
BCHRF261	RP	<sup>31</sup> P Magnetic Resonance Spectroscopy as an early biomarker of tumour response in childhood tumours	Andrew Peet, Pam Kearns, Lesley MacPherson, Nigel Davies, Theo Arvanitis	£ 69,737.00	04/08/2010
BCHRF262	SP	Defining a valid paediatric high dependency care dataset for the UK	Dr Kevin Morris, Dr John Alexander, Mrs Yvonne Heward, Professor Jo Coast, Dr Ian Wacogne, Mr Chris Timmins, Dr Heather Duncan, Dr Fiona Reynolds, Mr David Whitehurst	£ 9,998.00	04/08/2010
BCHRF264	SP	Generation of hepatocytes from fibroblastic cells obtained from patients with progressive familial intrahepatic cholestasis (pfc)	Dr N V Morgan, Prof D Kelly, Prof J Frampton	£ 10,000.00	29/07/2011
BCHRF269	RP	Clinical Validation of a Molecular Classification of Retinoblastoma	Dr C McConville, Dr G Kapatai, Dr MA Brundler, Dr H Jenkinson, Mr M Parulekar	£ 59,920.00	29/07/2011

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BCHRF272	SP	Assessing the influence of custom moulded foot orthotics on the gait characteristics of hypermobile children and young people.	Prof Tauny Southwood, Drs François-Xavier Li, Clive Ryder, Penny Davis, Kathy Bailey, Ms Janis Scott, Ms Rosanne Wilshire Nigel Jones, Ms Kate Cotter	£ 9,968.00	29/07/2011
BCHRF280	ER	Identification of seizure-related secondary neural damage with MRI morphometry in children with symptomatic focal epilepsies	Prof. Stefano Seri , Dr. N. J. Thai, Prof. P. L. Furlong, Dr. Lesley McPherson, Mr. A. R. Walsh	£ 40,770.00	29/07/2011
BCHRF281	RP	Tissue specific hypothyroidism and the heart	Mr Aaron Ranasinghe, Shiao-Yng Chan, Robert Bonser, Timothy Jones, Christopher McCabe, Jayne Franklyn	£ 69,807.00	29/07/2011
BCHRF287	PhD	Novel metabolite biomarkers of prognosis in childhood tumours	Prof Andrew Peet, Martin Wilson, Nigel Davies, Theo Arvanitis	£ 68,276.00	29/07/2011
BCHRF288	RP	Probing the tissue microenvironment of tumours by Magnetic Resonance Imaging	Dr Nigel P Davies, Dr Andrew C Peet, Dr Theodoros Arvanitis	£ 65,082.00	29/07/2011
BCHRF297	RP	Discovery and prioritization of frequently mutated genes in tumour cells of paediatric Hodgkin's lymphoma through whole genome amplification and whole exome sequencing.	Dr. Wenbin Wei, Dr. Pamela Kearns, Prof. Paul Murray, Dr. Fathima Zumla Cader	£ 69,539.00	08/08/2012
BCHRF298	PhD	Villitis of unknown aetiology: A potential process of fetal allograft rejection	Profs. Mark D. Kilby & Paul Moss, Drs David Lissauer & Philip Cox	£ 70,214.00	08/08/2012
BCHRF304	RP	Faecal microbiota in preterm infants developing Necrotising Enterocolitis (NEC).	Dr A K Ewer, Prof N Hall, Prof C Probert	£ 69,150.00	20/08/2012
BCHRF308	SP	Taste preferences of young children with phenylketonuria (PKU).	Sharon Evans, Anita MacDonald	£ 10,000.00	12/02/2012
BCHRF311	SP	Immunological markers in liver and small bowel transplantation.	Dr Girish Gupte, Prof David Adams, Sister Lindsay Hogg, Mrs Lisa Morris.	£ 10,000.00	08/08/2012
BCHRF314	SPRF	Therapeutic targeting of autotaxin in poor prognosis paediatric high grade gliomas.	Dr Archana Singh, Applicants: Dr Andrew Peet, Dr Zumla F Cader, Dr Jessica Edwards, Prof Paul Murray.	£ 68,019.00	08/08/2012
BCHRF316	RP	Imaging tumour perfusion using magnetic resonance without injecting contrast agent.	Drs Andrew Peet, Jan Novak, Theodoros Arvanitis, Nigel Davies, David Hobin, Lesley MacPherson	£ 64,163.00	20/08/2012
BCHRF323	SP	Can a procalcitonin guided algorithm reduce antibiotic exposure in children admitted to Paediatric Intensive Care Unit?	Drs Reinout J Mildner, Hari Krishnan, Jim Gray	£ 9,600.00	08/08/2012
BCHRF329	ER	Optimising the detection of seizures on the paediatric intensive care unit (PICU) using cerebral function monitoring (CFAM) (The CFAM-PIC Study).	Scholefield B, Duncan H, Morris K, Wassmer E, Gupta R, Notghi L, Bill P, Matam R	£ 37,621.34	08/08/2012
BCHRF330	RP	The role of myeloid-derived suppressor cells (MDSCs) in Neuroblastoma.	Dr Francis Mussai, Dr Carmela DeSanto	£ 68,287.00	21/02/2013
BCHRF344	RP	Development of new approaches to chemotherapy for retinoblastoma.	Dr C McConville , Professor T Stankovic, Dr H Jenkinson, Mr M Parulekar	£ 51,994.00	27/08/2013
BCHRF347	SP	Development of molecular genetic testing service for children with congenital hypothyroidism	Prof Tim Barrett, Dr Carol Hardy, Dr Hakan Cangul, Prof Eamonn Maher	£ 10,000.00	21/02/2013
BCHRF349	PhD	A translational study of neural mechanisms of drug resistance in paediatric epilepsy.	Professor S Seri, Dr G Woodhall	£ 45,726.21	21/02/2013
BCHRF353	RP	Metabolite profiles as a means of identifying genetic subtypes of medulloblastoma.	Prof Andrew Peet, Dr Martin Wilson, Dr Theodoros Arvanitis, Dr Beth Coyle, Prof Richard Grundy	£ 59,520.00	21/02/2013

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BCHRF364	SP	Do free light chains in cerebrospinal fluid predict chronic Multiple Sclerosis in Childhood?	Dr Evangeline Wassmer, Dr S. John Curnow	£ 5,600.00	01/08/2014
BCHRF365	RP	An in vivo co-clinical trial of BCT-100, Recombinant PEG-Arginase, as a novel therapeutic approach for paediatric Acute Myeloid Leukaemia.	Dr Francis Mussai, Dr Carmela De Santo, Professor Pamela Kearns	£ 69,406.00	01/08/2014
BCHRF369	RP	End-of-Life Care for children and young people with life-limiting conditions who die in the Paediatric Intensive Care Unit: The experience of parents.	Dr Adrian Plunkett, Dr Sarah Mitchell, Prof Jeremy Dale, Prof Jane Coad	£ 22,791.76	01/08/2014
BCHRF376	SP	A pilot study to test the feasibility of undertaking serial creatinine clearances in PICU as a measure of glomerular filtration rate (GFR), and to compare measured GFR <sub>CrCl</sub> with estimated GFR.	Dr David Milford, Dr Kevin Morris, Dr Federica Merella, Dr Prabh Nayak	£ 8,603.00	01/08/2014
BCHRF378	SP	Understanding paediatric innate immune responses in the pathogenesis of viral hepatitis and response to interferon therapy	Dr Samantha Lissauer, Ms Ditte Hedegaard, Professor Jane McKeating, Professor Deirdre Kelly	£ 9,600.00	25/02/2014
BCHRF380	RP	The Fusion of MRI, Magnetic Resonance Spectroscopic Imaging (MRSI) and Diffusion Tensor Imaging (DTI) of the optic pathway as an aid to the management of Optic Pathway Glioma(OPG)	Dr Nigel P Davies, Prof Andrew Peet, Dr Lesley MacPherson, Mr Manoj V Parulekar, Dr Martin Wilson, Prof Theodoros Arvanitis, Mrs Lara Worthington	£ 50,993.00	25/02/2014
BCHRF384	RP	An evaluation study of a targeted "clinical" exome sequencing in clinical practice to investigate the cause of multiple congenital abnormality syndromes and developmental disorders of childhood.	Dr Yvonne Wallis, Dr Jenny Morton, Mr Dominic McMullan	£ 68,363.00	25/02/2014
BCHRF385	SP	Spectral imaging of retinoblastoma tumours for differentiating between persistent/recurrent disease and potential application for treatment	Mr Manoj Parulekar, Prof Ela Claridge, Dr Isabel Colmenero	£ 9,976.00	25/02/2014
BCHRF388	RP	Predictive value of urinary Intestinal fatty acid binding protein (iFABP) in preterm infants at risk of developing Necrotising Enterocolitis (NEC).	Mr I Jester, Mr JM Wells, Dr AK Ewer, Mr J Hulscher	£ 33,222.00	25/02/2014
BCHRF393	RP	3D printing of hydrogel scaffolds to support an <i>in vitro</i> model of the human cleft palate.	Dr Joseph Hardwicke, Prof Paul Cooper, Dr Richard Shelton, Prof Gabriel Landini, Miss Rona Slator	£ 24,000.00	23/06/2015
BCHRF398	RP	MR heart: Development of an MR-compatible mock cardiovascular circuit.	Dr Simon McGuirk, Dr Ashish Chikermane, Dr Kiran Gulia, Professor Moataz Attallah	£ 54,568.00	23/06/2015
BCHRF400	PhD	Investigating the pathogenic impact of mutations in <i>C21orf60</i> as the genetic cause of a novel developmental disorder in children.	Prof. Grant Stewart, Prof. Malcolm Taylor, Prof. Andrew Jackson, Dr Renuka Dias	£ 89,995.00	23/06/2015
BCHRF407	RP	Dietary pattern analysis in children with phenylketonuria (PKU)	Mrs Sharon Evans, Professor Anita MacDonald	£ 9,045.00	23/06/2015
BCHRF408	SPRF	Implementing non-invasive biochemical disease monitoring in children and young people with congenital adrenal hyperplasia	Dr Elizabeth Baranowski Supervisors: Dr Nils Krone, Professor Wiebke Arlt, Dr Ruth Krone, Professor Peter Hindmarsh	£ 60,036.00	23/06/2015
BCHRF410	SPRF	The role of mucosal invariant T-cells (MAITs) and gut micro-biota in the pathogenesis of paediatric autoimmune liver disease (AILD)	Dr Suzan Warner, Professor Deirdre Kelly, Dr Ye Oo	£ 69,989.00	23/06/2015
BCHRF414	RP	Evaluation of CGMS for motivated adolescents and children on multiple daily insulin, with poor diabetes control	Dr Melanie Kershaw, Dr Ruth Krone, Sr Lesley Drummond	£ 21,308.21	23/06/2015

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BCHRF423	RP	Improving outcomes in boys exposed to excess steroid hormones.	Dr Emma A Webb, Professor Andrew Peet, Dr Amanda Wood, Dr Nils Krone, Dr Julie Reed, Dr Katharine Foster, Dr Satish Rao	£ 69,970.00	23/06/2015
BCHRF428	RP	Engineering arginine-depletion resistant CAR-T cells for neuroblastoma.	Dr Francis Mussai, Dr Carmela De Santo, Dr Steve Lee, Professor Louis Chesler	£ 22,000.00	28/06/2016
BCHRF430	PhD	Treating comorbid obesity in children with asthma.	Dr Claire Farrow, Dr Gemma Heath, Professor Helen Pattison, Teresa Evans, Dr Chris Chiswell, Lesley Barrett	£ 34,665.00	28/06/2016
BCHRF440	PhD	Exploring sex differences in the clinical, cognitive, and neurobiological profiles of adolescents with autism spectrum disorder (ASD).	Dr Sarah Carrington, Dr Ashley Liew, Dr Dawn Simons, Katy Robson, Professor Klaus Kessler, Professor Gina Rippon, Prof Stefano Seri	£ 70,176.35	28/06/2016
BCHRF446	RP	Myeloid derived suppressor cells (MDSCs) during pregnancy: their role in maintaining fetal-maternal tolerance and preventing pregnancy complications	Dr David Lissauer, Dr Carmen De Santo, Professor Mark Kilby	£ 54,799.00	28/06/2016
BCHRF451	SP	A pilot randomised, crossover study in PKU investigating the exhaled breath and urine profile of organic compounds, comparing glycomacropptide with phenylalanine-free l-amino acid supplements.	Miss Anne Daly, Dr John Hattersley, Miss Alison Campbell, Professor Anita MacDonald	£ 10,000.00	28/06/2016
BCHRF457	SPRF	Targeting GPNMB in Hodgkin Lymphoma.	Dr Navta Masand, Professor Pamela Kearns, Dr Graham Taylor, Professor Paul Murray	£ 64,967.00	28/06/2016
BCHRF461	RP	The 'Hamlet' Study: To graft or not to graft? A longitudinal prospective case series in children with mixed depth burns to correlate different treatment options to patient outcomes.	Yvonne Wilson, Frederica D'Asta, Clare Thomas, Sarah Payne, Kate Whiting	£ 68,837.00	28/06/2016
BCHRF467	RP	Harnessing the therapeutic potential of human fibroblastic reticular cells for immune-mediated paediatric liver diseases	Dr A L Fletcher, Professor D A Kelly, Professor P N Newsome	£ 61,075.73	28/06/2016
BCHRF477	RPNAH P	A low protein food application (APP) for inherited metabolic disorders (IMD) of amino acid metabolism.	Mrs Sharon Evans, Professor Anita MacDonald	£ 60,020.00	27/06/2017
BCHRF479	SPRF	Tracking the Impact of Chemotherapy on the Immune System in Children with Cancer.	Dr Eleni Syrimi, Dr Graham Taylor, Professor Paul Murray, Professor Pamela Kearns	£ 69,856.00	27/06/2017
BCHRF487	SP	Development of an automated gaze tracking system in Visual Evoked Potentials (VEP).	Bryony Carr, Mr Peter Bill, Professor Stefano Seri, Dr Antonio Fratini	£ 7,978.00	27/06/2017
BCHRF492	SP	Feasibility of Electrical Source Imaging technique in the localisation of the epileptogenic focus in children eligible for epilepsy surgery	Miss Caroline Scott, Mr Peter Bill, Professor Stefano Seri, Dr Marc Rayan	£ 9,786.00	27/06/2017
BCHRF497	SP	Evaluation of liver B-cell populations in children with Biliary Arteries for novel therapeutic intervention.	Dr Zania Stamataki, Dr Gary Reynolds, Professor Deirdre Kelly	£ 9,600.00	27/06/2017
BCHRF505	SP	Failure to establish 'Recycling' (Mucous Fistula Refeeding) in Neonates.	Mr HS Ghataura, Mr I Jester, Dr M Borooh, Professor Andy K. Ewer	£ 9,820.00	27/06/2017
BCHRF512	RP	Developing the <b>Clinical Anxiety Screen</b> for children with <b>Severe</b> to <b>Profound Intellectual Disabilities</b> (CIASP-ID)	Dr Jane Waite, Dr Ashley Liew, Professor Chris Oliver, Dr Hayley Crawford, Dr Loraine Ruddick	£ 41,227.84	27/06/2017

**BWCH Research Foundation: All Awards**

BCHRF513	RP	Developing and Testing a Clinical Decision Support System for Advanced Magnetic Resonance Imaging in Cancer.	Andrew Peet, Katharine Foster, Lesley MacPherson, Jan Novak, Ian Williams, Niloufar Zarinabad	£ 45,738.14	27/06/2017
BCHRF514	RP	Assessment of the role of Yes-associated protein (YAP) in paediatric high grade glioma.	Dr. Daniel Tennant, Professor Andrew Peet, Dr Ina Nicklaus	£ 50,840.53	27/06/2017
BCHRF519	PhD	What role can hospitals play in protecting children and young people from exposure to secondhand tobacco smoke? Developing a novel intervention to support families to change their smoking behaviours.	Dr Christopher Chiswell, Dr Laura Jones, Dr Carole Cummins	£ 72,812.00	27/06/2017
BCHRF521	RP	Clinical Implementation of non-invasive testing in Retinoblastoma.	Dr Amy Gerrish (R&D Scientist, BWH); Dr Stephanie Allen (Consultant Clinical Scientist, BWH); Dr Trevor Cole (Consultant in Clinical and Cancer Genetics, BWH); Mr Manoj Parulekar (Consultant Ophthalmic Surgeon, BCH), Dr Samuel Clokie (Principal Clinical Bioinformatician, BWH)	£ 55,399.00	14/06/2018
BCHRF542	RP	Development of a novel therapeutic and prognostic strategy for Cystic Fibrosis (CF) by targeting Transglutaminase 2 (TG2)	Dr Zhuo Wang (ZW, Lecturer in Biology and Biomedical Sciences, Aston University); Co-I: Dr Maya Desai (MD, Birmingham Children's Hospital, BCH), Prof Martin Griffin (MG, Prof in Biochemistry, Aston University)	£ 69,784.00	14/06/2018
BCHRF546	PhD	Defining the role of liver B-cells in Biliary Atresia pathogenesis	Dr Z. Stamataki, Senior Lecturer, Institute of Immunology & Immunotherapy, University of Birmingham, Dr G. Reynolds, Senior Healthcare Scientist, Liver Unit, Queen Elizabeth Hospital Birmingham (QEHB), Dr R. Brown, Consultant Pathologist, QEHB and Birmingham Children's Hospital, Professor D. Kelly, Professor of Paediatric Hepatology, Liver Unit, Birmingham Children's Hospital	£ 89,947.50	14/06/2018
BCHRF548	RP:NAPH	Exploration of the barriers and facilitators to early cochlear implantation for children born with severe/profound hearing loss	Marette Ambler, Clinical Scientist, BCH; Dr Amanda Hall, Lecturer in Audiology, Aston University; Rebecca Lawrence, Audiology Manager, BCH; Konstance Tzifa, Consultant ENT Surgeon, BCH	£41,085	14/06/2018
BCHRF552	SP	Vibratory stimulation for neuromuscular rehabilitation: a feasibility study on healthy and cerebral palsy children.	Dr Antonio Fratini, (Senior Lecturer, Aston University), Dr Tecla Bonci (Teaching Fellow, Aston University), Dr Andrea Jester (Consultant Hand Surgeon, BCH), Dr Nicola Crabtree, (Clinical Scientist, BCH), Dr Wolfgang Högler (Consultant Endocrinologist, BCH)	£ 8,588.00	14/06/2018
				£ 5,172,969.97	