



The Novo Nordisk UK Research Foundation

www.novonordiskfoundation.org.uk

The Novo Nordisk UK Research Foundation would like to thank all those who contributed to this brochure especially the Research Fellows for the summaries of their projects. The Foundation would like to express particular thanks to Miss Jackie Rivers, Foundation Administrator, for her hard work producing this brochure and her work for the Foundation and finally our thanks to all past applicants who have taken the effort to apply to the Foundation for support.



Jackie Rivers

The Novo Nordisk UK Research Foundation®

Broadfield Park, Brighton Road,
Crawley, West Sussex, RH11 9RT.

Tel: 01293 762009 Fax: 01293 613535

E-mail: ukresearchfoundation@novonordisk.com

Charity Registration Number: 1056410

www.novonordiskfoundation.org.uk



Blank inside front cover

Contents

Introduction – by the Chairman	page 2
Sponsor – Novo Nordisk Ltd	page 3
Research Fellowships	page 4
Grant	page 21
Fund	page 26
Clinical Research for Nurses in Diabetes	page 35



**Professor
David Owens, CBE
Chairman**



Welcome to 'The Novo Nordisk UK Research Foundation'

"The Novo Nordisk UK Research Foundation has been in existence for just over 10 years. During this period of time it has become recognised as an important source of funding and support for researchers in the field of diabetes, both clinical and basic research, located in the UK.

To date the Foundation has funded many of our present consultant diabetologists with current recipients destined to follow in their footsteps in the future. In more recent years a fellowship in Primary Care and a Nurse fellowship have also been established. A unique feature of the fellowships is that additional research related educational support is provided to the fellows.

Since the start of the Foundation, we have awarded 19 research fellowships. Research symposiums have also been organised with presentations given by past and present holders. These meetings also provide the opportunity for the fellows to meet key opinion leaders.

In addition to the fellowships, the Foundation also supports existing research by way of our 'Grant' award, supporting and encouraging projects that are currently underway. We are also able support Nurses and allied healthcare professional in education, this is our 'Fund' award, to support attendance at educational meetings, courses or perhaps a small clinical project.

The Foundation is represented at Diabetes UK annual professional conference where information is available about the Foundation and the various funding opportunities and related activities.

As the present Chairman of the Foundation I would like to convey my thanks to Novo Nordisk for its generous sponsorships, to all the Trustees past and present and to my predecessor Professor Stephanie Amiel. There is a special thanks to the chairs in the research selection committees and to all who have contributed their time and expertise to the selection process for the different awards.

It is exciting to embark on the next decade strengthened by the experience gained over the first 10 years."

Professor David Owens CBE
Chairman
The Novo Nordisk UK Research Foundation



**Viggo Birch
Managing Director
& Vice President
Europe North**



"Novo Nordisk has a long tradition in supporting initiatives that can improve Diabetes care and eventually improve the quality of life for the people living with diabetes. Long before it became "fashionable or modern" to have a corporate social responsibility, our company developed many of the concepts as we found it natural to integrate the social and environmental responsibility in our way of doing business. We did it and still do it because we think it is the right thing to do and because we believe that in the long term it produces a more sustainable diabetes business.

Our contribution to the Novo Nordisk UK Research Foundation is a natural thing to do when you know our company. The foundation's strategy is to promote research into the causes and treatment of diabetes, and the advancement of education in the treatment of diabetes by members of the medical profession. This is exactly an area we find important as a supplement to conventional product research. The quality of diabetes care depends not only on high quality products, but also on high quality care and passionate health care professionals. One without the other can not improve the quality of life for the person with diabetes.

I will in the following do something unconventional by sharing with you part of our company strategy:

- We will **enable patients** with Diabetes, Hemophilia, Menopausal and Growth Hormone disorders to live normal lives
- We will secure the availability of optimal care through our dedication to excellence in **science & evidence**.
- We will improve standards by **partnering** with health care professionals and policy makers

When you think about it our commitment to the Research Foundation is so well aligned with our company strategy.

In the UK we support numerous activities and initiatives in the world of diabetes in order to eventually improve the quality of life for people with diabetes. We also participate in the debate for improved care and we are ready to go on the barricades to fight for the best treatment in diabetes.

The Research Foundation is a good example of serious and systematic work towards excellence in diabetes, and I would like to express my gratitude to the board of trustees for their engagement in this work. Without them and without the fellows applying for grants we cannot change the world of diabetes in order to improve quality of life for people with diabetes."

Viggo Birch
Managing Director & Vice President Europe North
Novo Nordisk Ltd

Research Fellowships



A clinical research fellowship is awarded almost every year. Designed to support young doctors to undertake clinical research, in a suitable setting for up to three years in the field of diabetes.

The fellows are expected to register and submit their research work for a higher degree. During the period of the fellowship the Foundation also provides a number of training courses related to research practice, analysis and presentation of their results.

Research Selection Committee

Dr Mary Pierce (Chairman of the Research Selection Committee and Trustee of the Novo Nordisk UK Research Foundation)

"Our research fellowships provide rare flexible funding opportunities for people interested in clinical research. They are aimed at relatively inexperienced people wishing to start their research careers and at experienced research groups wanting to take on new researchers for well-defined research projects. Most awards should enable the fellows to obtain higher degrees."



Research Fellows & Supervisors 1996 - 1998



Research Fellowship
2009

Supervisor
Dr Christina Daousi



Pancreatic and extra-pancreatic effects of glucose-dependent insulinotropic polypeptide (GIP) in humans in health and type 2 diabetes mellitus

GIP is a hormone which is released into the bloodstream by the digestive system following ingestion of food. Its main role is to enhance the secretion in sufficient amounts after eating, but the hormone is ineffective at its site of action. A number of studies in animal models have shown that GIP can also facilitate fat storage and promote weight gain. Recently discovered chemical substances that block GIP at its sites of action prevent the development of obesity and diabetes in rodents. We propose to study the direct effects of GIP on fat in healthy lean people, obese people with impaired glucose tolerance ("pre-diabetes") and obese patients with diet-controlled T2DM. This will help us identify if this hormone has similar effects on fat accumulation in humans with and without diabetes, and will provide evidence that blockade of the GIP hormone in obese patients with T2DM maybe a useful therapeutic option.

Weight-loss surgery has become the most effective treatment for severely overweight patients and one of its additional benefits is the early resolution of T2DM before any significant weight loss has been achieved. The mechanism(s) underlying this dramatic effect remain poorly understood. We hypothesise that diabetes remission may be a result of the restoration of the action of the GIP on the pancreas leading to enhanced secretion of insulin and we propose to test this hypothesis in patients with T2DM within a month after undergoing weight-loss surgery.

Dr Christina Daousi



Research Fellow 2007

Dr Sally Thrower

Bristol

Supervisor -
Dr Colin Dyan



Optimising the tolerogenic potential of the dermal route of administration in the development of a "diabetes vaccine."

Type 1 diabetes is an autoimmune condition caused by a lack of insulin production. Insulin is usually made in the pancreas and is one of the hormones responsible for regulating the body's blood sugar levels. People with Type 1 diabetes develop high blood sugar levels which, without treatment with regular insulin injections, is life threatening.

In Type 1 diabetes the body stops making its own insulin because of a fault in the immune system. The body develops antibodies which results in the cells in the pancreas which make insulin being seen as "foreign". The body then attacks these cells like it would a virus. This results in destruction of the insulin producing cells, leading on to diabetes.

This research project is one of a number of studies which is working on the development of a "diabetes vaccine". If we could stop the immune system destroying insulin producing cells it would be possible to prevent people from developing Type 1 diabetes. It is thought that it may be possible to do this by treating people with peptide injections designed to reset the balance of the immune system from "danger" to "friendly".

We have already conducted a trial of a peptide injection treatment in people with longstanding Type 1 diabetes and have shown that the treatment is safe to give and may have a favourable action on the immune system. We are interested in improving the potential action of the peptide by manipulating and harnessing the immune system's response to the injections at the site they are administered into the skin. We propose to conduct a series of small studies looking at ways of optimising the potential of skin as a site of peptide injection using vitamin D and steroid creams.

We hope that the results from this study can then be used in our peptide vaccination programme, leading to the development of a more effective "diabetes vaccine".



Research Fellow 2007

Dr Sally Thrower

Bristol

Supervisor -
Dr Colin Dyan



What the Novo fellowship means to me

I am currently a Specialist Registrar in Diabetes and Endocrinology. I am a clinician with an interest in medical research. I have already spent 18 months working on the initial trial of a proinsulin peptide as a vaccine for Type 1 diabetes conducted by our group. This fellowship is important to me on a scientific level as it should enable us to further develop the potential of peptide vaccination as a treatment to prevent Type 1 diabetes. On a more personal level it provides me with the opportunity continue working in a field in which has become very important to me. I hope through the fellowship I will be able to work towards a higher degree, in order that I can then continue to be involved in diabetes research for the rest of my career.

Dr Sally Wiggam



Research Fellows & Supervisors 1999



Nurse Research Fellow
2007

Alison Jeffery

Plymouth

Supervisor -
Professor T Wilkin



The Impact of Puberty on Insulin Resistance: A longitudinal study

Insulin resistance, usually resulting from obesity, is thought to underlie the rising tide of type 1 as well as type 2 diabetes. Insulin resistance rises sharply in puberty, when diabetes often presents for the first time. In order to understand the basis for diabetes in puberty, this prospective study will follow healthy children over a five year period as they enter and progress through puberty. Participants are the 300 children already enrolled in The EarlyBird Diabetes Study, a longitudinal, non-intervention, prospective cohort study, which is recognised internationally. A wealth of prepubertal data (measures of body size and composition, diet, physical activity, medical, family and social history) has been gathered annually from the age of five years, and is available for comparison.

Relationships between body composition, growth, pubertal development, physical activity, energy expenditure, hormonal interactions and insulin resistance will be established by tracking them over time.

Published data from good quality, contemporary, prospective longitudinal studies on pubertal insulin resistance are scarce, and much remains to be understood. Differences in tempo explain why longitudinal data from a single cohort can look quite different from cross-sectional data at the same time points adduced from several cohorts. Trends can only be determined from prospective studies of a single cohort, and this is particularly true where rapid change is occurring.

This project is unlikely to reduce the burden of diabetes directly. Rather, it is using observations in puberty, when the incidence diabetes peaks in children, to identify the factors responsible for insulin resistance, and how they interact.



Nurse Research Fellow
2007

Alison Jeffery

Plymouth

Supervisor -
Professor T Wilkin



What does it mean to me?

It is a great honour to receive the Novo Nordisk Nurses Research Fellowship. This gives me the freedom to pursue my research interest over a number of years while studying for a PhD, and to realise my contribution to diabetes nursing research. The Fellowship presents opportunities to attend medical and nursing conferences on diabetes and obesity, to hear lectures from the leading researchers and, on occasion, to meet them and to present my findings and discuss my ideas. The Fellowship has provided opportunities to meet other junior researchers, and we have been able to share ideas and support each other. I have particularly appreciated opportunities to present my research orally, which has increased my confidence.

I am grateful to the Foundation for their vision and recognition of the role that nurses can play in research, and the contribution that nurses can make to understanding diabetes, its causes and its course.

Alison Jeffery



Research Fellows & Supervisors 1996



Research Fellow 2006
 Dr David Webb
 Leicester
 Supervisor -
 Professor Melanie Davies



Are adipocyte-derived adipokines, markers of vitamin D deficiency and oxidative stress interrelated and do such measures contribute to arterial sclerosis in South Asians independently of traditional risk markers?

The last thirty years have seen enormous strides in our understanding of the nature, causes of, and treatments for diabetes. Landmark research has galvanised a sea change in attitude towards the condition among health-care professionals, with the realisation that Type 2 diabetes is not merely a mild blood sugar abnormality, but a complex multi-faceted disorder carrying a significant risk of premature cardiovascular death.

Ironically such advances have made it more difficult to answer the fundamental question; what is or are the relationship(s) connecting blood glucose (sugar) level and vascular disease (heart attacks and stroke)? It is proposed centrally distributed adipose tissue (intra-abdominal fat), resistance to the effects of circulating insulin (insulin resistance) or certain nutritional deficiencies (vitamin D especially) may be extremely important factors linking glucose abnormalities with the development of vascular disease.

An explanation for these observations is therefore especially pertinent within groups predisposed to central obesity and vitamin D deficiency. Interestingly, as well as these problems indigenous South Asian populations incur high rates of type 2 diabetes and vascular disease which is markedly exacerbated by UK migration. Describing relationships within British South Asians theoretically gives a unique insight of suspected environmental and genetic influences contributing to the causes of type 2 diabetes and cardiovascular disease.

This research investigates a potential link between central obesity, vitamin D deficiency and vascular problems by comparing circulating markers of glucose, adipose and nutrition with an ultrasound assessment of vascular health within south Asian and white European adults. This should contribute to our understanding of this area in two major ways. Firstly it will inform the feasibility of using safe, inexpensive nutritional replacements and/or lifestyle modifications to potentially prevent diabetes and vascular disease.



Research Fellow 2006
 Dr David Webb
 Leicester
 Supervisor -
 Professor Melanie Davies



Secondly it will provide essential groundwork for further research examining potential genetic influences predisposing individuals to these potentially devastating diseases.

What the fellowship means to me

My personal experience of the fellowship can be summarised under three headings, introduction to the research environment, provision of support and career development.

1) Introduction to the research environment: Application provided my first real experiences of writing a supervised grant proposal, responding to peer-review and developing interview technique applicable to clinical research. The fellowship has without doubt focused my interest in diabetes research enabling me to pursue a particular project as part of higher clinical and academic training.

2) Provision of support: The foundations stated aim is to provide essential support to individuals interested in developing a career in academic diabetes medicine and I have found this has come in a number of guises. Focusing on research without the worries of finding finances for the project and higher degree are obvious but more subtle support has included access to statistical teams, distant supervision/regular updates, and confidence building. In short, I have found the support of the board second to none.

3) Career development: With the fellowship has come recognition of a potential career commitment to research and so far this has proven invaluable in navigating the notoriously tortuous academic higher training pathway. Given recent changes to medical training following MMC I suspect this avenue of support will be appreciated more than ever by future trainees.

Dr David Webb



Research Fellow
2005 - 2008

Dr Alistair Green

Ipswich

Supervisor -
Dr Gerry Rayman



Small fibre function assessed using the 'LDI flare' technique in people with a hereditary risk of Type 2 diabetes, IGT, and Type 1 & Type 2 diabetes

The Novo Nordisk Research Fellowship provided financial support to perform research into diabetic nerve damage. My research uses a new method of measuring the function of very small nerves. These small nerves are thought to be damaged early in diabetes and may even be damaged in the pre-diabetic stage. I am using this new test to clarify how nerves are damaged and whether this differs between the different types of diabetes.

The Foundation has taught me some of the skills necessary to perform this research and to disseminate the results to other clinicians. Without this financial and educational support I wouldn't have been able to work in this interesting area of research.

Dr Alistair Green



Research Fellows & Supervisors 1999



Research Fellow
2004 - 2008

Dr Sanjeev Mehta

London

Supervisor -
Professor D Johnston



The pathogenesis of non-alcoholic fatty liver disease

My work is on a condition called non-alcoholic fatty liver disease. This condition produces exactly the same changes in the liver as alcoholic liver disease, but occurs in people who don't drink alcohol in excess. In some cases it can progress to cirrhosis and liver failure. It is common in people who are diabetic or overweight, and is an independent risk factor for cardiovascular disease. Why it occurs is not well understood, and is the focus of my work. I believe that in people who develop non-alcoholic fatty liver disease the liver is able to synthesise fatty molecules but not export them adequately, so that fat accumulates within the liver. I am currently testing this hypothesis in adult males, and hope that my work will increase our understanding of this increasingly common condition, thus facilitating the development of effective treatments in the future.

What being a Novo Nordisk Research Fellow means to me

I feel extremely fortunate to have been awarded a Novo Nordisk Research Fellowship. It has offered me the opportunity to perform clinical research in a field of interest to me, and to present the findings initially to the Selection Board, in a relaxed, informal atmosphere. After receiving constructive comments from the Board, I have been able to present this data both at national and international scientific meetings. In doing so, I have met and made firm friendships with both other Novo Nordisk Research Fellows and eminent Diabetologists. In addition, during the course of my Fellowship I have received training in a number of transferable skills, all of which will be priceless in my future medical career.

Dr Sanjeev Mehta



Primary Care
Research Fellow 2004
Dr Lana Skoro-Kondza
London
Supervisor -
Professor T Greenhalgh



Community based yoga therapy for patients with type 2 DM

This was a small randomised controlled trial, a pilot study conducted in primary care in north London. When working with diabetic patients as a GP and as a clinical assistant in diabetes in the hospital, I have experienced that not all patients enjoyed practicing weight bearing exercises such as jogging or aerobics for many different reasons. Since exercise and being active is very important for general health and diabetic control I felt that an alternative form of exercises such as yoga could play a role as well. Yoga has been used for centuries in India and recently has become very popular in the Western countries. Therefore we have designed a trial to see whether this form of exercise is accepted by the patients, and also whether it is feasible to conduct this type of study in primary care settings.

We have recruited 60 patients and randomly (by chance) allocated into two groups of 30. The first group of patients started practicing yoga immediately. The yoga therapy involved breathing, stretching and relaxation exercises for an hour twice a week for 12 weeks. The second group of participants continued to have a standard care of their diabetes with a general practitioner or a hospital doctor. They were offered yoga exercises later on.

After completion of the course of yoga we have compared HbA1C levels (an average glucose over three month's period) between two groups. We found out that in spite not showing a significant difference in HbA1c levels, almost all participants felt generally better and more energetic after completing the course of yoga.

What the fellowship means to me

It was a very nice experience winning the prestigious award. The fellowship enabled me to develop my idea about use of an alternative type of exercise such as yoga as add on treatment for type two diabetic patients. The fellowship helped me to conduct this small randomised controlled trial pilot study in primary care.

All patients involved in the study were so grateful for the extra care they have received while participating in the study and felt sorry that they have to stop their exercises.

Dr Lana Skoro-Kondza



Research Fellow
2003 - 2006
Dr Henry Chirayath
Manchester
Supervisor -
Professor P Baker



Endothelium-dependent vascular behaviour in pregnancies complicated by diabetes

In pregnant women with diabetes, glucose levels fluctuate through the day and are often high. In women who are on insulin, the glucose levels can also become quite low. Both high and low glucose levels are associated with poor diabetes control, which in turn is linked with complications during pregnancy.

Babies from mothers with diabetes occasionally have complications such as congenital malformations, growth restriction and sometimes large babies. However it is not completely understood how poorly-controlled diabetes can cause these effects.

The aim of this study was to examine if abnormal glucose levels affected the function of vessels involved in blood supply to the foetus. Initial studies looked at the effect of glucose levels (ranging from 2 to 12 mmol/L glucose) on vascular function in uterine vessels from pregnant mice. These studies showed that high glucose levels had a vasodilatory effect on uterine arteries. After these preliminary animal studies, the myometrial arteries in pregnant women with diabetes were investigated. These are the arteries present in the uterus, crucial in determining blood supply to the growing baby. Small changes in the calibre of these vessels may affect oxygen and nutrient supply during foetal development.

On exposing these vessels to different glucose concentrations, no difference in vascular function was observed in arteries from women with gestational diabetes compared to normal women. However, these vessels did demonstrate an overall impairment in their ability to dilate. This suggests abnormal vascular function in arteries supplying blood to the foetus in women with gestational diabetes.

To carry this study forward, an animal model of diabetes in pregnancy was also created to enable a more detailed evaluation of the effect of glucose levels in pregnancy. Improving our knowledge of these effects will help pave the way for novel therapies aimed at reducing the complications of diabetes in pregnancy.



Research Fellow
2003 - 2006
Dr Henry Chirayath
Manchester
Supervisor -
Professor P Baker



Abstracts and presentations

- I. Annual Professional Conference (2005) - Diabetes UK Poster Presentation
Acute hypoglycaemia impairs relaxation of uterine arteries in pregnant mice
- II. 65th Scientific Sessions (2005) –American Diabetes Association
Poster Presentation
Hypoglycaemia and hyperglycaemia impair myometrial artery relaxation in pregnancies complicated by gestational diabetes
- III. Annual Professional Conference (2006) - Diabetes UK
Poster Presentation
Hyperglycaemia enhances endothelium-dependent relaxation in uterine arteries of pregnant mice
- IV. 66th Scientific Sessions (2006) –American Diabetes Association
Oral Presentation
Acute hyperglycemia in uterine arteries of pregnant, but not non-pregnant mice, enhances endothelium-dependent relaxation

Papers

1. Chirayath H.H. (2006) Diabetes management in pregnancy, Reviews in Gynaecological and Perinatal Practice. 6, pp.106-114
2. Chirayath H.H., Wareing M., Taggart M.J, Baker P.N. (2007) Acute hyperglycemia in uterine arteries from pregnant, but not non-pregnant mice, enhances endothelium-dependent relaxation, Vascular Pharmacology 46, 137-143
3. Chirayath H.H., Wareing M., Taggart M.J, Baker P.N. (2006) " Impaired endothelium-dependent relaxation in myometrial arteries of women with gestational diabetes" Submitted

Dr Henry Chirayath

Research Fellow 2002

Dr Claire McDougall

Glasgow

Supervisor - Dr John Petrie



The Metabolic and Vascular effects of Intentional Weight Loss in Type 2 Diabetes

I started my Novo Nordisk UK Research Fellowship in September 2002. The Foundation sponsored me for three years, during which time I carried out a research project entitled "The Metabolic and Vascular effects of Intentional Weight Loss in Type 2 Diabetes". As well as supporting me financially, the Novo Nordisk Foundation provided extremely useful annual teaching sessions on topics such as statistics, presentation skills, and literature searching. It was also reassuring to know that there was always someone from the Foundation at the end of the telephone, to offer support and advice if needed.

I am now a third year Specialist Registrar training in Diabetes and Endocrinology in the West of Scotland. I am currently writing up the results of my research project, with the intention of acquiring a higher degree.

Dr Claire McDougall





Research Fellow
2002 - 2004

Dr Rifat Malik

London

Supervisor -
Professor S Amiel



The anatomy, function and malfunction of hypoglycaemia sensing in man

My Fellowship benefited me through the formal and informal support I received from the Foundation. The research training symposia covered fundamental topics such as good clinical research practice, statistics and literature searching. The advice I received from presenting my plans/ progress to the Foundation panel of research experts helped to shape and direct my research project.

This focused on the study of glucose sensing and appetite control, under the supervision of Professor Stephanie Amiel. Skills I developed included generic ones, such presenting and data management, as well as the more specialised insulin glucose clamp technique. This technique was used in studies in and outside of the MRI scanner.

The objectives of my clinical research fellowship research were:

- To elucidate the effect of portal vein glucose sensing on counterregulatory responses to acute hypoglycaemia in man
- To examine regional brain activation by hypoglycaemia and oral glucose ingestion using functional magnetic resonance (fMRI) imaging.

These questions investigate how and where symptomatic and protective responses to hypoglycaemia are initiated and how feeding in human subjects might alter these responses.

My studies were the foundation for further studies of the functioning of the central mechanisms involved in glucose counterregulation and their dysfunction in insulin resistance. My protocols are now being adapted for collaborative work with pharmaceutical companies.

I have presented my research results at regional, national and international diabetes meetings.

I was appointed as a Consultant Diabetologist at King's College Hospital NHS Foundation Trust in 2007. I continue to remain active in research. Obesity & metabolism continues to form the basis of my current research interest, and I continue to work collaboratively with Professor Amiel's diabetes research group and the Neuroimaging department of the Institute of Psychiatry.

Dr Rifat Malik

Research Fellows 1996 – 2000



2000 Dr Rakesh Amin – Addenbrookes Hospital Cambridge
Hormonal determinants of microalbuminuria in teenagers and young adults with type 1 diabetes melitus

1999 Dr Stuart Lee – Northern General Hospital, Sheffield
The Clinical Consequences and therapeutic potential of electro-cardiographic changes produced by hypoglycaemia in adults and children with type 1 diabetes

"Stuart, obtained a distinction in his MD at Sheffield and after completing his specialist training obtained a consultant physician post at a University Teaching Hospital in Auckland, New Zealand working with Paul Drury".
Professor Simon Heller - Supervisor

1999 Dr Shareen Forbes – Imperial College School of Medicine London
Catecholamine sensitivity following gestational diabetes

"Shareen went on to obtain a Diabetes UK fellowship at consultant level with us at Imperial".
Professor Des Johnston - Supervisor

1998 Dr Gill Spyers – Royal Devon and Exeter Hospital
Reversing endothelial dysfunction in NIDDM – a multiple risk factor approach

"Gill successfully completed her MD and had several significant publications from the Novo Nordisk Foundation sponsored work, including one in the Lancet. I think the research fellowship gave her key critical skills and successfully stimulated her insight and appetite for academic medicine and on-going research activity and she continues despite a very busy programme, to help with further research in this area utilising the skill of hyperinsulinaemic euglycaemic and hypoglycaemic clamps".
Dr Kenneth MacLeod - Supervisor

Research Fellows 1996 – 2000



1998 Dr Rashmi Kaushal – West Middlesex Hospital
Insulin resistance and nitric oxide regulation in Indian sub-continent Asians

1997 Dr Brian Kennon – Southern General Hospital
Does ACE genotype influence responses to ACE inhibition in patients with IDDM

"Brian completed his fellowship and produced an MD thesis as a result. He completed SpR training, and is now a consultant in diabetes/endocrinology in the Southern General Hospital, Glasgow. The research fellowship allowed him the chance to broaden his training, both in research methodology, but also in clinical endocrinology and diabetes, and allowed him to compete for a post in a teaching hospital. He retains his research perspective in his current post".
Professor John Connell - Supervisor

1996 Dr Kieran McKenna – Wishaw Hospital
The role of the natriuretic peptides in the development of microalbuminuria in insulin dependent

1996 Dr Caroline Amery – Leeds General Infirmary
The effect of fatty acid and ketone body infusions upon insulin secretion and insulin action in normal diabetic man

1996 Dr Joanne Watson – Royal Bournemouth Hospital
Influence of Cerebral blood flow on the cognitive responses to hypoglycaemia

"Joanne is now a consultant in Musgrove Park Hospital in Taunton".
Dr David Kerr - Supervisor

Grant



The Grant is to provide funding towards an existing project, i.e. towards consumables, assays, equipment etc, for doctors, nurses or scientists who are carrying out research in clinical diabetes, rather than the full funding of the project.

Grant support has totalled over £421,000 since its origination.

"The Novo Nordisk Research Foundation supports research in diabetes, with an emphasis on clinically relevant problems. It does this in several ways, such as supporting medical researchers at specialist registrar stage and giving consumable support for pilot projects which would be difficult to fund in other ways. Its emphasis on clinical research and supporting junior staff give it a special role in the UK."



Professor Des Johnston (Trustee of the Novo Nordisk UK Research Foundation)

The individual projects supported are listed as follows.

Dr C D Byrne, University of Cambridge, Addenbrookes Hospital, Cambridge
Department of Clinical Biochemistry Regulation of liver-specific transcription factors relevant to diabetes and the insulin resistance syndrome **(£7,000) 1998**

Dr David Boam, Biochemistry Research Division, School of Biological Sciences
University of Manchester, Gene regulation by fatty acids in type II diabetes:
characterisation of the carnitine palmitoyltransferase I and IDX-1 gene promoters
(£7,000) 1998

Dr L Gnudi Snr Lecturer in Endocrinology and Diabetes, Department of
Endocrinology Guy's Hospital, London, Mechanisms of proteinuria in diabetic
nephropathy: Interaction between the renin-angiotension system and mechanical
stretch in human mesangial cells **(£7,600) 1998**

Dr Irene Green, Biochemistry Lab, School of Biological Sciences, University of Sussex, Brighton, **(£4,800) 1998**

Dr Helen Thomas, Department of Biosciences, The University of Kent, **(£4,990) 1998**

Dr Fidelma Dunne, Department of Medicine, Selly Oak Hospital, Birmingham, LDL subfractions and free radical damage in NIDDM: Effects of Vitamin (C and E) supplementation **(£7,733) 1998**

Dr Gary McVeigh, Department of Therapeutics & Pharmacology, The Queen's University of Belfast, The role of antioxidant therapy on arterial and venous responses to glyceryl trinitrate in diabetes mellitus **(£6,600) 1999**

Dr Seema Mehrotra, Centre for Diabetes & Cardiovascular Risk, Whittington Hospital, London, Activity of antioxidant enzymes and susceptibility to nephropathy in Type 2 diabetic subjects of Afro-Caribbean and Caucasian origin **(£5,000) 1999**

Dr Marilyn Kelly, Department of Medicine, Queen Elizabeth Hospital, Birmingham Elucidating the structural requirements for HLA-DQ6-mediated protection against Type 1 diabetes: a prerequisite for the design of novel therapeutic strategies **(£10,000) 1999**

Dr Luigi Gnudi, Department of Endocrinology, Kings's College, London The effect of glucose and stretch on the TGF-beta1/TGF-beta receptor system: intracellular pathways of matrix production in mesangial cells. **(£5,350) 1999**

Dr Patrick Sharp, Northwick Park Hospital, Harrow, Stimulation of monocyte vascular endothelial growth factor (VEGF) production by advanced glycation end products (AGEs) **(£3,500) 1999**

Dr Roger James, Department of Surgery, University of Leicester, Leicester Royal Infirmary, Assessment of the role of anti-islet autoimmunity induction in patients receiving islet autotransplants **(£3,000) 1999**

Dr Sharon O'Byrne, Department of Clinical Pharmacology, St Bartholomew's & the Royal London School of Medicine & Dentistry, London, Nitric oxide turnover and oxidative stress levels in complicated insulin- dependent diabetes mellitus **(£8,550) 1999**

Dr Susan Chan, University of Nottingham, Endothelin-1 and islet cell function **(£3,000) 2000**

Dr Kathleen Shennan, Institute of Medical Sciences, Aberdeen, Lipid rafts and their role in sorting in pancreatic B-cells **(£6,000) 2000**

Dr Diarmuid Smith, Kings College Hospital, London, Pharmacology of hypoglycaemia sensing in man **(£6,000) 2000**

Dr Timothy Tree, The Rayne Institute, London, Identification of islet antigen specific T-cells with HLA-Class II tetramets **(£4,500) 2000**

Dr Mark Turner, St Bartholomew's & The Royal London School of Medicine & Dentistry, Insulin secretion, granule maturation, and links to Type 2 Diabetes **(£4,500) 2000**

Dr Kimberley Watson, University of Oxford, The Sulphonylurea Receptor in the Pancreatic B-cell: X-ray Structural and Computational Studies **(£6,000) 2000**

Dr Gary Frost, Hammersmith Hospital, Quantifying the 24 hour Glycaemic response of a low glycaemic index diet in free living people with type 2 diabetes treated with insulin: a pilot study **(£7,503) 2001**

Dr Krystna Matyka, Birmingham Heartlands Hospital, The effect of daytime exercise on overnight glucose profiles in young children with type 1 diabetes **(£9,224) 2001**

Dr Linda Voss, Earlybird Research Centre, The contribution of metabolic rate to insulin resistance in healthy young children: The Earlybird Study **(£9,698) 2001**

Dr Carlo Acerini, Dept of Paediatrics, University of Cambridge, Intramyocellular triglyceride content determined by proton magnetic resonance spectroscopy as a measure of insulin resistance in type 1 diabetes **(£11,000) 2002**

Dr T Pillay, Queens Medical Centre, Nottingham, The Function of the APS/Cb1/CAP signalling pathway in human skeletal muscle cells in Type 2 diabetes **(£6,515) 2002**

Dr Karen Anthony, Dept of Diabetes, Endocrinology & Internal Medicine, The counterregulatory response to hypoglycaemia in insulin resistance **(£11,000) 2002**

Dr Rustam Rea, Institute of Cell Signalling, University of Nottingham Medical School, The Function of the APS/Cb1/Cap signalling pathway in human skeletal muscle cells in type 2 diabetes **(£6,515) 2002**

Dr Jeremy Tomlinson, Division of Medical Sciences, University of Birmingham, The role of adipose tissue cortisol metabolism in the regulation of fat mass **(£11,000) 2002**

Dr Kathryn Beardsall, University of Cambridge, Influence of genetic factors and birth weight on childhood adiposity, blood pressure and insulin sensitivity in twins **(£11,784) 2003**

Dr Richard Coward, University of Bristol, The role of podocyte glucose transporters in diabetic nephropathy **(£8,316) 2003**

Dr Stephen Gough, University of Birmingham, The identification of IDDMX, a type 1 diabetes susceptibility locus on human chromosome Xp13-p11 **(£10,000) 2003**

Dr Robert Hill, GKT School of Medicine, Nasal carriage of staphylococcus aureus in diabetic foot ulcer patients and its relationship to ulcer infection **(£10,000) 2003**

Professor Sally Marshall, University of Newcastle, A novel mechanism involving protein kinase C8 and phosphatidylserine externalisation links chlamydia pneumoniae infection to vascular disease **(£9,900) 2003**

Dr Jamie Coleman, University of Dundee, Is EDHF upregulation associated with lower blood pressure in patients with type 2 diabetes? **(£9,724) 2004**

Dr Karen Cosgrove, University of Manchester, The treatment of diabetes mellitus by cell therapy; derivation of insulin-secreting cells from human embryonic stem cells **(£9,646) 2004**

Dr Hilary Murray, Worcester Clinical Research Unit, Endothelial progenitor cell therapy as an adjunct to islet transplantation **(£9,560) 2004**

Dr Balasubramanian Ravikumar, University of Newcastle, Is the abnormal postprandial suppression of hepatic glucose production in type 2 diabetes **(£12,980) 2004**

Professor Sally Marshall, Diabetes Research Group, Newcastle, Polymorphisms in the promoter regions of cytoskeletal tropomyosin isoforms and susceptibility to diabetic nephropathy **(£9,920) 2005**

Dr Partha Kar, Queen Alexandra Hospital, Portsmouth, Grape-seed-extract effect in Type-2 diabetic subjects at high cardiovascular risk and non-diabetic subjects: Effects upon vascular tone, inflammation, oxidative stress and insulin-sensitivity **(£10,000) 2005**

Dr Timothy Tree, GKT School of Medicine, London, Development of a novel cytokin based assay to identify islet specific T-cells in health and disease **(£9,900) 2005**

Dr Mark Turner, Centre for Diabetes and Metabolic Medicine, London, B-Cell Dysfunction in Type 2 Diabetes **(£9,991) 2005**

Dr Kathleen Gillespie, Southmead Hospital, Bristol, Maternal microchimerism: markers of islet beta cell precursors? **(£10,292) 2006**

Dr Alison Harte, University of Warwick, Insulin resistance, adverse metabolic profile and premature ageing in type 2 diabetics patients **(£9,960) 2006**

Dr Khalida Lockman, Royal Infirmary of Edinburgh, Non alcoholic fatty liver disease and type 2 diabetes – mitochondrial dysfunction as a unifying factor: the role of hepatic mitochondrial dysfunction **(£14,200) 2006**

Dr Susan Manley, Selly Oak Hospital, Birmingham, Relationship between glucose, fructosamine and 'DCCT aligned' HbA1c in patients with diabetes when HbA1c measurement is inappropriate for clinical guidelines **(£10,548) 2006**

Dr Jo Modder, CEMACH, London, The occurrence of specific pregnancy outcomes and their association with demographic characteristics and glycaemic control, in women with type 1 and type 2 diabetes in England, Wales and Northern Ireland CEMACH project **(£15,000) 2006**

Dr Sefina Arif, Guy's Hospital, London, The role of a new inflammatory subset of T cells, Th17, in type 1 diabetes' **(£10,595) 2007**

Dr Katarina Kos, Clinical Sciences Aintree, Liverpool, Non-alcoholic-fatty-liver disease and the role of the insulin sensitive fibrosis promoter SPARC in subjects undergoing bariatric surgery **(£12,240.00) 2009**

Dr Alison Harte, University of Warwick, Coventry, Post-prandial hypertriglyceridaemia: Its impact on systemic inflammation and its association with micro-and macro- vasculature damage in type-2-Diabetes **(£14,809.00) 2009**

Jyothis George, The Queen's Medical Research Centre, Edinburgh, Kisspeptin in Metabolism (KissMet) Study **(£14,396.00) 2009**



Fund



This award is to support diabetes specialist nurses and associated healthcare professionals (i.e. podiatrists, dieticians etc, but not doctors). Applicants are invited to apply for funding towards:

- A course of study
- Attending a meeting or conference, nationally or internationally
- Undertaking a small clinical project

Fund support has totalled over £89,000 since its origination.

“The Novo Nordisk UK Research Foundation in its remit supports aspiring researchers across the domains of clinical medicine, basic science and nursing through its research fellowships. This innovation is highly pertinent in both encouraging talented researchers in the field of diabetes and in the nurturing and training programme available in collaboration with successful candidates and their relevant supervisors.”



Anne Felton (Chairman of the Nurses & Allied Healthcare Professional Committee, Trustee of the Novo Nordisk UK Research Foundation)

Support for Courses of Study

Susan Bennett – Paediatric DSN, Royal Bolton Hospital, Bolton
Diploma in Professional Practice in Nursing, incorporating ENB A150 Paediatric Community Nursing **(£200) 1998**

Eileen Patricia Birdsall, DSN, Edith Cavell Hospital, Peterborough
Diploma in Diabetes (Advanced) **(£200) 1998**

Debra Collingwood, Snr Practice Sister, Thorpe Health Centre, Thorpe, Norwich
Diabetes management in primary care diploma course **(£100) 1998**

Mary MacDougall-Davis, Practice Nurse, Oxford
Certificate in primary diabetes care **(£250) 1998**

Dorothy McMenemie, DSN, Diabetic Centre, Inverclyde Royal Hospital, Renfrewshire, MPhil in Social Science Research **(£1,270) 1998**

Nina Patel, Snr DSN, Jeffrey Kelson Diabetes Centre, Central Middlesex Hospital
Second year of MSc in Health Sciences **(£1,360) 1998**

Lindsay Prentice, DSN, Manchester Diabetes Centre, Manchester
Post-graduate diploma in psychosexual therapy **(£1,990) 1998**

Sarah Taylor, DSN, Royal Shrewsbury Hospital, Shrewsbury, Shropshire
MA in strategic health care **(£500) 1998**

Jenny Gibson, Senior to Dietician
Walton Diabetes Centre, Walton Hospital Liverpool **(£300) 1999**

Hilary Lindford, Paediatric Diabetes Specialist Nurse,
Hull Royal Infirmary **(£200) 1999**

Manjit Meyer, Practice Nurse
Farnall House Medical Centre, Hounslow **(£395) 1999**

Helen-Anne Reid, Diabetes Research Nurse/Diabetes Specialist Nurse,
Kings College, London **(£1000) 1999**

Pamela Saltor, Administration/Research Nurse
Department of Diabetes & Metabolism, London **(£99) 1999**

Vicky Simms, Practice Nurse
Surgery, Cottage Hospital, Cumbria **(£425) 1999**

Jane Pennington, Senior Nurse/Diabetes Services Manager
Bolton Diabetes Centre, Diabetes **(£600) 1999**

Francis Laverty, Clinical Nurse Specialist in Diabetes
Dr Gray's Hospital, Moray **(£99) 1999**

Alison Assell, Senior Dietician (Diabetes)
Pembury Hospital, Kent **(£1,000) 2000**

Joanna Butler, Clinical Nurse Manager Diabetes
Beta Cell Unit, Queen Mary's Hospital, London **(£480) 2000**

Caroline Dunster, Diabetic Research Nurse
Plymouth Postgraduate Medical School, Devon **(£230) 2000**

Michelle Gardiner, Paediatric Diabetes Nursing Sister
Musgrove Park Hospital, Somerset **(£500) 2000**

Miranda Gregg, Senior Diabetes Dietician
Chelsea & Westminster Hospital, London **(£1,000) 2000**

Sally Hulm, Podiatrist
Gabalga Clinic, Cardiff **(£300) 2000**

Edward Kaczmarczyk, Chief IC Chiropodist
Walton Hospital, Liverpool **(£1,000) 2000**

Susan Cooke, Diabetes Specialist Nurse, Diabetes Unit
Royal Free Hospital, MSc in Diabetes **(£1,250) 2001**

Margaret Davies, Registered Sick Children's Nurse
West Wales General Hospital, Carmarthen, The management of childhood diabetes
in the home & community **(£800) 2001**

Kathleen Gould, Practice Nurse, Keelinge House Surgery, Dudley
DTC primary care training centre diabetes management course **(£425) 2001**

Gillian Hood, Diabetes Research Nurse
Medical Unit, Royal London Hospital, Whitechapel MSc course,
Diabetes **(£1,224) 2001**

Victoria Johnson, Diabetes Specialist Nurse, Out-patient dept
Leicester Royal Infirmary **(£1,118) 2001**

Dorothy McMenemie, Diabetes Nurse Specialist, Inverclyde Royal Hospital,
Greenock, PhD in Social Science Research **(£1,470) 2001**

Louise Newman, Practice Nurse, Keeling House Surgery, Dudley
DTC primary care training centre diabetes management course **(£425) 2002**

James Abel, Poole Diabetes Centre, MSc Diabetes **(£1,000) 2002**

Avril Alexander, East Oxford Health Centre
Graduate Certificate of Diabetes **(£1,000) 2002**

Tracey Arkle, Seventrees Clinic, MSc Podiatry **(£900) 2002**

Lisa Devine, Bolton Diabetes Centre MSc **(£500) 2002**

Alison Hassell, Pembury Hospital
Postgraduate Diploma in Diabetes **(£500) 2002**

Dorothy McMenemie, Diabetes Nurse Specialist
Inverclyde Royal Hospital, Renfrewshire **(£1,000) 2002**

Emily K C Smith-Laittan, Beta Cell Clinic, Chelsea & Westminster Hospital
MSc Diabetes **(1,000) 2002**

Sheena White, Queen Mary's Hospital
Postgraduate Certificate in Diabetes **(£759) 2002**

Harriet Castleden, Exeter
Modules towards MSc **(£640) 2003**

Michael J Craig, Argyll & Clyde NHS Board
Master of Public Health **(£1,000) 2003**

Louise Dennis, OCDEM
MSc Advanced Health Care Practice **(£970) 2003**

Sarah Gyles, St Helier Hospital
MSc Diabetes **(£1,000) 2003**

Dorothy McMenemie, Inverclyde Royal Hospital
PhD in Psychiatry/Diabetes Nursing **(£1,000) 2003**

Annabel Norrie, Queen Mary's Roehampton
Masters in Applied Health Studies, Diabetes Care **(£700) 2003**

David Roy, Birmingham Heartlands Hospital
Certificate in Diabetes Care **(£650) 2003**

Harriet Castleden, Royal Devon & Exeter Hospital
Post-graduate MSc modules **(£495) 2004**

Suzanne Dickson, Lister Hospital
Certificate in Diabetes Care **(£650) 2004**

Clare Grace, Royal London Hospital
Introduction to Qualitative Research Methods **(£996) 2004**

Michael Craig, NHS Argyll & Clyde
Master of Public Health **(£800) 2004**

Dorothy McMenemie, Inverclyde Royal Hospital
PhD in Psychiatry/Diabetes Nursing **(£1,000) 2004**

Deidre Nielsen, Queen Victoria Memorial Hospital, module
towards postgraduate certificate in Diabetes Care **(£200) 2004**

Annabel Norrie, Queen Mary's Hospital
Masters in Applied Health Studies, Diabetes Care **(£800) 2004**

Rupa Thacker, St Ann's Hospital
MSc Diabetes & Education **(£800) 2004**

Anna Steele, Royal Devon & Exeter Hospital
MSc modules **(£500) 2004**

Joyce Robson, Southern General Hospital
Certificate in Counselling Skills **(£800) 2004**

Dorothy McMenemie, Diabetes Centre, Inverclyde Royal Hospital
PhD Psychiatry/Diabetes Nursing **(£1,000) 2005**

Rupa Thacker, St Ann's Hospital, MSc Diabetes & Education
2-3 years **(£1,000) 2005**

Karen Whitehead, Staffordshire General Hospital NHS Trust,
Postgrad Certificate in Diabetes Care **(£500) 2005**

Alison Jeffery, EarlyBird Study 1st year MPhil/PhD four research modules
(£1,000) 2005

Nicola Middleton, John Radcliffe Hospital, Masters in Applied Studies Core Module,
Principles of Diabetes Care **(£1,000) 2005**

Florence Brown, Gartnavel General Hospital, Doctor of Nursing Programme
(£500) 2005

Michael Craig, NHS Argyll & Clyde, Master of Public Health **(£1,000) 2005**

Janine Hartweg, Division of Public Health & Primary Care,
DPhil Medical Sciences, final semester **(£1,000) 2005**

Olivia E Neely, Postgraduate Diploma in Cognitive Behaviour Therapy
University of Birmingham, March 2006 to July 2007 **(£500) 2006**

Jennifer Logan, Northumbria University, MSc Health & Social Care (Practice
Education & Development) Module PP190 Practice Project. **(£1,000) 2006**

Jill Lomas, MSc in diabetes – final year Roehampton University **(£400) 2007**

Sue Beatty, Planning and managing clinical trials (module P46650) level M 20 CATS
points Oxford Brookes University, Headington Oxford **(£995) 2007**

Mary McMenamin, PhD (part-time) University of Ulster Magee Campus
(£925) 2007

Andrew Cumming, Master of clinical science degree final dissertation from the
University of Warwick Medical School **(£900) 2007**

Philip Niner, Lincoln, Master of Science Diabetes 3rd year Masters dissertation
(£1,460) 2009

Emily Northover, Beta Cell Diabetes Centre, Chelsea & Westminster Hospital,
London **(£830) 2009**

Emma Day, Birmingham Children's Hospital **(£1,660) 2009**

Ross McIntyre, Community Centre for Health, Glasgow, Tissue Viability
(£680) 2009

Rebecca Fisher, Royal Free Hampstead NHS Trust, London, Behaviour Change Skills
Part 1 and 2 **(£775) 2009**

Kirsty Agostini, UCLH, London The University of Warwick - Msc in Diabetes
(paediatrics) **(£1,660) 2009**

Support for attending meetings, nationally or internationally

Maire Davies, DSN, University of Wales, Cardiff BDA conference in Harrogate
(£150) 1998

Alison Dunford, Practice Nurse, Latham House Medical Practice Leicester, Primary
Care Diabetes UK Conference **(£200) 1998**

Rosemary White, Diabetes Research Nurse/Practice Nurse Pool Hospital, Dorset
(£550) 1999

Mary Walsh, DSN Conquest Hospital, St Leonards on Sea **(£550) 1999**

Joanna Butler, DSN, Beta Cell Unit, Queen Mary's Hospital, London **(£480) 2000**

Marilyn Gallichan, DSN, East Cornwall Hospital Cornwall **(£800) 2000**

Elizabeth Stenhouse, Diabetes Research Midwife Plymouth Postgraduate Medical
School, Devon **(£450) 2000**

Nina Patel, DSN, Central Middlesex Hospital, London **(£480) 2000**

Corina Barber, Paediatric Diabetes Liaison Nurse, Dept of Child Health, University
Hospital of Wales, Cardiff, 27th Annual Meeting of International Society for
Paediatric & Adolescent Diabetes **(£906) 2001**

Lesley Lowes, Paediatric Diabetes Liaison Nurse, Dept of Child Health, University
Hospital of Wales, Cardiff, 27th Annual Meeting of International Society for
Paediatric & Adolescent Diabetes **(£906) 2001**

Penny Erskine, Derbyshire Royal Infirmary, ADA **(£282) 2002**

Alison Jeffery, Earlybird Research Centre, ADA poster Presentation **(£681) 2002**

Sophie McIntosh, Wirral Heart Support Centre, New Era Cardiac & Diabetes Care,
National Conference **(£318) 2002**

Brad Metcalf, Earlybird Research Centre Travel to EASD **(£640) 2002**

Frieda Rimmer, Wirral Heart Support Centre, New Era Cardiac & Diabetes Care
National Conference **(£318) 2002**

Denise Russell, Portadown Health & Social Services Centre The Diabetic Foot
Journal, conference **(£585) 2002**

Alison Jeffery, Earlybird Study, International Diabetes Federation Congress
(£531) 2003

Elizabeth Stenhouse, Peninsula Medical School, British Congress of Obstetrics &
Gynaecologists **(£696) 2004**

Jackie Young, North Devon District Hospital, RCN Paediatric & Adolescent Diabetes Group Conference **(£350) 2004**

Lucinda Elston, Peninsula Medical School, Integrative Biology of Exercise, American Physiological Society Intersociety Meeting **(£930) 2004**

Alison Jeffery, Earlybird Research Centre, ADA, Orlando **(£632) 2004**

Danny Meetoo, The University of Salford, Primary Care Diabetes Society in Association with Diabetes & Primary Care Journal **(£648) 2005**

Elizabeth Stenhouse, Peninsula Medical School, 27th Triennial Congress of the International Confederation of Midwives **(£696) 2005**

Anna Ford, Royal Hospital for Children, The 14th European Congress on Obesity in Athens **(£955) 2005**

Janine Hartweg, Public Health & Primary Care Oxford, European Society of Cardiology **(£1,000) 2005**

Alison Jeffery, Earlybird Study, European Association for the Study of Diabetes 41st Annual Meeting **(£723) 2005**

Elizabeth Stenhouse, The Royal College of Midwives 2006 Annual Conference Riviera International Conference Centre Torquay **(£405) 2006**

Alison Jeffery, International Diabetes Federation meeting Cape Town 3-7 December 2006 **(£1,000) 2006**

Anna Steele, The 2007 International Research Conference **(£805) 2006**

Sarah Meanley, 12th World Congress of International Society for Prosthetics and Orthotics **(£488) 2007**

Liala King, FEND & EASD Amsterdam **(£470) 2007**

Annmarie Field, American Diabetes Association 67th scientific session **(£400) 2007**

Elizabeth Stenhouse, The Royal College of Nursing 2007 International Nursing Research Conference Dundee May 2007 **(£435) 2007**

Anna Ford, Bristol Royal Hospital for Children, Educational Travel: European Congress on Obesity 2009 Amsterdam May 6-9 2009 **(£1,000) 2009**

Support for small Clinical Projects

Patricia Grant, DSN, St James's University Hospital Leeds, **Improving communication to Asian Women with Gestational Diabetes mellitus (£650) 1998**

Rosemary Walker, Havering Hospital, **To evaluate the Effectiveness of inpatient diabetes management guidelines; the effectiveness of inpatient referrals to the Diabetes Specialist Nurse (£1,000) 1998**

Sarah Hampson, Marie Clark & Robert Simpson, Dept of Psychology University of Surrey, **Psychological interventions to improve lifestyle self-management of patients with diabetes mellitus (£1,000) 1998**

Patricia Brydon, Diabetes Research Nurse, Dept of Medicine Sellyoak Hospital, **To establish and maintain a diabetes in pregnancy data base in the Birmingham City area and within the West Midlands region (£1,000) 1999**

Lesley Howells, Chartered Clinical Psychologist, Tayside Institute of Child Health, Ninewells Hospital & Medical School, Dundee **Psychological factors determining concordance with diabetes therapy; Comparison between young people with Type 1 diabetes in Italy and Scotland (£1,000) 1999**

Maria Leveridge, Senior Dietician, Peterborough Hospital **An intervention study to determine the effect of involving partners in diabetes dietary education (£1,000) 1999**

Elizabeth Stenhouse, Diabetes Research Midwife/Nurse, Plymouth Post-Graduate Medical School, Plymouth, **Does maternal glycaemia in pregnancy alter the early childhood growth of her children (£1,150) 1999**

Simon Parsons, Chief Ill Podiatrist, Scunthorpe Diabetes Centre, Scunthorpe General Hospital, **A pilot project to provide district-wide mechanism for effective communication in the management of diabetic foot ulceration (£405) 2000**

Marie Marshall, Central Manchester and Manchester Children's University Hospital, **Living with diabetes – children and their parents perceptions (£1,000) 2004**

Lesley Lowes, University Hospital of Wales, **The perception of peer support of teenagers aged 12-16 years with type 1 diabetes (£752) 2004**

John Bardwell, Boston Health Clinic, **Do the hand held records promote patient understanding of their disorder (diabetes) and enhance communication with health professionals (£500) 2005**

Marie Marshall, Manchester Children's University Hospital, **Living with diabetes – children and their parents' Perception (£1,000) 2006**

Elizabeth Stenhouse, University of Plymouth, **Pregnant Women's understanding and knowledge of Gestational Diabetes Mellitus and the impact of diagnosis on her pregnancy experience (£1,755) 2009**



Diabetes UK 2007

Clinical Research for Nurses in Diabetes 1998 - 2003



Clinical Research for Nurses in Diabetes 1998-2003

This course was designed for nursing professionals in the field of diabetes and served as an introduction to the broad principles and practice of research methods in the context of diabetes care. The course, offered 20 credits at honours level towards a BSc Health Studies or Diploma in Health Research, and was jointly run with The Roehampton Institute of the University of Surrey. The courses ran from 1998-2003.



November 2002

For up to date information on the following:

- Trustees
- Selection committees
- Research strategy
- Policies and guidelines
- Application forms

Visit our web site:

www.novonordiskfoundation.org.uk

or contact the Foundation administrator
01293 762009



Blank inside back cover