

The  
Daphne  
Jackson  
Trust

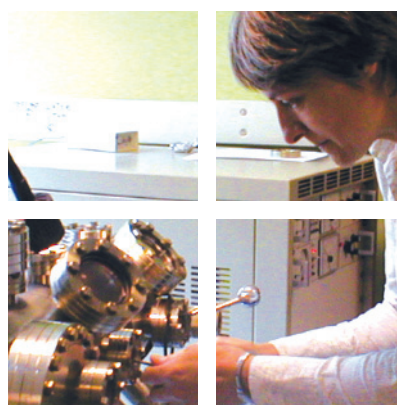
# ANNUAL REPORT 2005

*Opening Doors for SET Returners*

# ANNUAL REPORT 2005

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# CHAIRMAN'S INTRODUCTION



As the new Chairman of the Daphne Jackson Trust I am delighted to present the Annual Report for 2005.

Having become Vice-Chancellor of the University of Surrey in 2005 I was very pleased to accept the position of Chairman of the Daphne Jackson Trust. I would like to express heartfelt thanks to Professor Patrick Dowling who provided such excellent leadership for the Trust for eleven years.

During 2005 ten Fellows commenced their Fellowships, four were awarded Fellowships but deferred their start dates until 2006 and eight Fellows successfully completed their Fellowships during the year. There were eighteen ongoing Fellowships in place in 2005 making a total of thirty six Fellows in place during the year at universities and research laboratories spread throughout the UK. For a third consecutive year the Trust awarded a Fellowship to a man, reinforcing its status as an independent returners organisation rather than just a women's organisation.

In 2005 the Trust became a partner in the project 'Equalitec: Advancing Women in ITEC', which is funded under the Equal Programme from the European Social Fund. The Trust is leading on an industrial placement scheme that will offer one year full time placements to women with a background in an information technology, electronics and communications related area, who wish to return to a career after a break.

The Trust continues to forge good working relationships and work collaboratively with other organisations with whom it shares a common goal. It is working with the UK Resource Centre for Women in SET on a number of projects, most notable of which in 2005 were a series of seminars addressing the issues and needs of returners to SET.

The Trust welcomed Mrs Teresa Schofield as a new Trustee. She took over as the Women's Engineering Society representative from Mrs Pam Wain, who stepped down as WES President in 2005.

The Trustees would like to thank all the current sponsors who have supported Fellowships during the year, as well as the many and varied organisations who have generously donated funds or given other support to help the Trust continue its excellent work. The time and effort given by all those who work for and support the Trust on a voluntary basis is gratefully acknowledged by the Trustees.

I very much look forward to working with the Trust and taking it forward into a very successful and rewarding 2006.

A handwritten signature in white ink that reads "Christopher Snowden".

*Professor Christopher Snowden FRS FREng FIEE FIEEE FCGI  
Chairman of the Daphne Jackson Trust*

# EVENTS

## THE DAPHNE JACKSON TRUST IN 2005

### *The Daphne Jackson Trust - an overview of 2005*

**I**t has been another very busy and successful year for the Daphne Jackson Trust, with a continued focus on awareness raising, networking and collaboration. The Trust ensured it was represented at many events during the year. It is considered an expert on the subject of returners to science, engineering and technology and was invited to give presentations to a wide variety of audiences.

The Trust had the opportunity to become involved in two significant projects this year; Equalitec and the UK Resource Centre for Women in SET. Much preparatory work and effort has been put into these projects with the anticipation of seeing results over the next two years.

During 2005 there were thirty six Fellows in post, with eleven commencing Fellowships and seven finishing Fellowships during the year. As usual, the range of projects spans the whole of science, engineering and technology, from surveying native British Bluebells to developing novel methodologies to study catalytic processes. There is one universal fact that comes across from all the Fellows and that is how much they value being back in scientific research. They say they would not have been able to return without the Daphne Jackson Trust.

In February, two Daphne Jackson Fellows were successful at the 6th annual British Female Inventors and Innovators Awards 2005. Dr Akgun Ozkok won the Innovative woman in ITEC award and Dr Maggie Westby won a special recognition award.

The Trust reassessed its schedule of events in 2005 and no longer holds one London based annual reunion for Fellows. The alternative arrangement is to hold networking events at regular



*Dr Maggie Westby (left) and Dr Akgun Ozkok being presented with their prizes at the British Female Inventors and Innovators Awards*

intervals at various locations around the UK. This has proved to be very successful; past and present Fellows based in Scotland were delighted to attend the event at the Royal Botanic

Garden in Edinburgh in May. A further event was held in November in Bristol with one planned for Manchester in spring 2006. In this way, the Trust is opening up the events to a much larger number of past and present Fellows who are not able to travel long distances away from home. In some areas of the country there are a significant number of past and present Fellows together. They often form informal networks, meeting to chat and discuss common issues.

The Trust organised a very successful Media Skills course this year, run by Anna Grayson, who has extensive experience of the broadcast and print media. She gave the Fellows an insight into how the media works and how to make it work for 'you'. All those who attended enjoyed the course and now feel much more confident about writing and speaking about their scientific discipline to a non specialist audience. This is a particularly good course for Fellows to attend in terms of publicising both the Trust and themselves. The Fellows and their stories are the best way to promote the Trust.

The website is a key source of information about the Trust and it is looking to update the website completely in the next couple of years; however the content is regularly kept up to date, with links to and from other relevant sites added where appropriate.

This year advertising was given a different focus and concentrated on local advertising close to areas where there were opportunities for the Equalitec Industrial Associates Placement Scheme. There were still a limited number of adverts placed in parenting journals and a number of articles appeared in various publications throughout the year.

*Anna Grayson who gave the excellent Media Skills workshop (pictured centre) with her students, all past and present Fellows.*





## A new Chairman in 2005

Professor Patrick Dowling CBE DL FREng FRS retired as Vice Chancellor of the University of Surrey in 2005 and stepped down as Chairman of the Daphne Jackson Trust in November 2005. Professor Dowling gave the Trust inspired leadership and huge enthusiasm for eleven years. It was a sad day when the Trust said farewell to a man who shared Daphne's vision and worked so hard to help make it a reality. Professor Dowling was pleased to pass on the leadership of the Trust to Professor Christopher Snowden, the new Vice Chancellor of the University of Surrey who officially became Chairman of the Daphne Jackson Trust in November 2005. Professor Snowden is a distinguished engineer with wide experience of the microwave and semiconductor industry. He has had a very successful career to date, is a Fellow of several learned societies and professional institutions and has been awarded many prizes and accolades for his work. He has extensive experience in both the academic and commercial sectors and is pleased to be Chairman of the Daphne Jackson Trust.



Mrs Jenny Woolley with Professor Christopher Snowden (left) and Professor Patrick Dowling.

## A warm welcome to a new Trustee

The Trust extended a warm welcome this year to a new Trustee, Teresa Schofield, who joined as the Women's Engineering Society representative.

Teresa has a successful career as an engineer which started when she graduated from the University of Essex in 1984. Having been advised that to work in a recording studio she needed to study electronics, her first job was at Texas Instruments as a VLSI Design Engineer.

The WISE campaign was launched in the same year and as a student member of the Women's Engineering Society (WES) and the Institution of Electrical Engineers (IEE) Teresa met Daphne Jackson in person. Soon Teresa met Dr Karen Burt and found a support network that she has remained active in to this day. After a break to have her two sons Teresa joined Motorola Automotive but moved on to undertake a PhD in Innovation Management, sponsored by SEMTA and while doing this was involved in a near fatal car crash that turned her life around.

Teresa is married with two sons, age 14 and 16. She feels that engineering institutions are like life, namely "you get out of it what you put into it. I work with the Intellect Women in IT Forum, the IEEE, the UKRC and many other people and organisations to give back what Daphne and others gave to me. I am delighted to become a Trustee and be able to work with the Trust to help returners," she says.



Teresa Schofield, new Trustee of the Daphne Jackson Trust (pictured right), chatting with Jan Peters

## Cheltenham Science Festival

The Cheltenham Science Festival, in its fourth year in 2005, has established itself as a very popular and entertaining Festival that attracts high profile names and leading scientists.

The Trust sponsored an event on Saturday 11th June called 'Blazing Science' by Mic Jacobs. It was a hugely popular event for families with an audience of 450, all of whom enjoyed the show immensely.

In addition, the Trust had a display stand in the tented arena with information about Fellowships and Fellows' projects. The festival

attracts many family groups over the weekend and the Trust was able to speak to a number of people

who may be interested in taking up a Fellowship. The festival is a very good way of reaching some of the Trust's target audiences and raising awareness of its work. It is an excellent opportunity to network with leading scientists, policy makers and the media.



# EVENTS

## THE DAPHNE JACKSON TRUST IN 2005

### The BA Festival in Dublin - *a bubbly Guinness experience*

**T**hey make our Champagne sparkle, they fizz-up our beer; a pint of Guinness just would not look right without a creamy head.

The lowly bubble has a hard life: always under pressure, and always on the go. Kids love them; and – to be honest – adults do too.

The Daphne Jackson Trust and the Science Council organised a public lecture and networking reception on Tuesday 6th September 2005 at the Guinness Storehouse Brewery in Dublin, as part of the BA Festival of Science.

The event was hosted by Professor Patrick Dowling, Chair of the BA Council and Chairman of Trustees of the Daphne Jackson Trust.

*Left to Right* Dr Kristy MacDonald from the Science Council, Professor Patrick Dowling and Mrs Jenny Woolley, Trust Director



*Daphne Jackson Fellow,  
Dr Gillian Sebestyen  
Forrester pouring the  
perfect pint*



*Professor Patrick Dowling pouring a pint of Guinness*

Dr Andy Alexander of the University of Edinburgh answered many bubbly alcoholic questions: Where do bubbles come from? Why do bubbles rise faster in champagne than Lager? Do bubbles in Guinness really go down? The audience of about 150 people found out about the “smoke” you see when uncorking a bottle of Champagne, and why there is no head on a pint of soda water.

The lecture was followed by an informal networking reception with a pint of Guinness for all, and a look around the Guinness Storehouse Visitor Experience. The opportunity to network with a wide variety of scientists, journalists, fellow professionals and the general public is one of the particular strengths of the BA Festival of Science



*Dr Andy Alexander  
entertaining the  
audience*



# Annual Daphne Jackson Memorial Lecture and Karen Burt Award

Quentin Cooper, presenter of BBC Radio 4's Material World, presided over an evening lecture about Formula One racing and a showcase of some of the best young female engineering talent in the UK. The Trust was more involved this year in the organization of this annual event.

The 2005 Daphne Jackson Memorial Lecture was given by Jon Hilton, the Technical Director of the Engine Division for the Renault F1 Team. This was followed by a new format for the Karen Burt Award. The Award commemorates the life of Dr Karen Burt and aims to encourage women to promote the engineering profession. It is presented annually to a high calibre newly-chartered female engineer who has demonstrated a commitment to the promotion of her profession.



*John Hilton and Katy Roelich, 2006 Winner of the Karen Burt Award*



*The Karen Burt finalists with Karen's Father Professor Cyril Hilsum.  
Left to Right Gillian Mooney, Cyril Hilsum, Katy Roelich and Catherine Mowatt.*

This year three finalists were invited to make a short presentation about their work, after which the audience voted for their favourite. The audience votes were added to those from the WES judging panel to find the overall winner. All three finalists; Gillian Mooney from the Institution of Mechanical Engineers, Katy Roelich from the Chartered Institute of Water and Environmental Management, and Catherine Mowatt from the Institution of Civil Engineers, gave excellent presentations that showed the high calibre of female engineers in the profession. The overall winner on the night was Katy Roelich, a senior environmental engineer for Arup.



*Left to Right  
Quentin Cooper, Gillian Mooney, Jon Hilton, Katy Roelich,  
Teresa Schofield, Catherine Mowatt and Cyril Hilsum.*

# Answering the needs of women wanting to return to Industry...

The Industrial Associates Placement Scheme was developed during 2005 by the Daphne Jackson Trust as part of the Equalitec: Advancing Women in ITEC project which is funded under the Equal Programme from the European Social Fund (ESF). The aim is to provide work-based training during a one year placement, in information technology, electronics and communications (ITEC) or related areas. Individuals will gain confidence, update skills, competence and knowledge, with the end result being improved job prospects.

The Equalitec project helps women returners at higher skills level to re-enter employment, or re-orient their careers to take advantage of new opportunities in ITEC based employment. The number of women working in ITEC has been declining in recent years and now stands at 13% of the workforce across the UK economy. Women face many obstacles when they wish to return after a career break: degradation of professional skills, loss of self-confidence, childcare issues, and access to training.



Equalitec offers opportunities for key players: employers, professional organisations, training providers, recruiters and policy makers, to engage in helping overcome these obstacles by enabling access to training resources, employment opportunities and career information. ITEC technologies are transforming the way we work and live, offering new job opportunities to individuals with relevant ITEC skills.

The scheme offers great benefits for employers as well as the women it is designed to help. After much development work throughout the year, the first placement was made in December 2005 at Fujitsu in Surrey. The Trust is in discussions with many other companies to develop the scheme and make further placements during 2006. More information on the Equalitec Project can be found on the website: [www.equalitec.org.uk](http://www.equalitec.org.uk)





# Working with the UK Resource Centre for Women in Science, Engineering and Technology



Following the launch of the UK Resource Centre for Women in Science, Engineering and Technology (UKRC) in 2004 the Trust entered into discussions about working collaboratively, and in 2005 signed a contract to work on a joint project to help women returners to SET careers. The project includes a survey designed to research and evaluate the success factors for enquirers, applicants and Fellows of the Trust and a report will be published during 2006. During this year there were two very successful seminars aimed at addressing all the issues and needs of returners to SET careers. They were the first in a series of seminars that will pull together personal experiences and knowledge of returners, as well as those who employ them and the organisations who support them. After the last seminar in 2006 a report will be published summarising the key findings and making recommendations for the future.

## Royal Botanic Garden Edinburgh - May 2005

On 20 May 2005 the first seminar was very generously hosted by the Royal Botanical Garden Edinburgh. The speakers included Dr Toni Fleming, a current Daphne Jackson Fellow at the University of Edinburgh, who gave her personal view on returning to her career. Dr Gill Samuels from Pfizer Ltd spoke about returners to industry and how the needs of industry differ from academe, and Dr Avril Allman, from the Natural Environment Research Council told the audience about research council support for returners. There was a wide ranging audience who enjoyed the opportunity to discuss the many issues central to returning to a SET career.



## At-Bristol Science Centre – November 2005

The next Seminar was held on 8th November in Bristol at the At-Bristol Science Centre. This event was particularly well attended and provoked lively debate. Speakers included Clem Herman, the course director for the OU T160 Returners Course, Jane Butcher, the UKRC Returners Manager, Peter Main from the Institute of Physics and Milada Williams representing MentorSET. Following the seminar delegates had a fascinating look around the science centre before a networking reception that was kindly sponsored by the Institute of Physics.

**Left** Edinburgh: Past Daphne Jackson Fellow Dr Susan Swift talking to Dr Gill Samuels from Pfizer Ltd.  
**Above** Bristol: Left to Right, Dr Katie Perry, Dr Bernadette Egan, a past Daphne Jackson Fellow, and Mrs Gill Norman  
**Below** Bristol: Dr Saher Ahmed from the Institute of Physics speaking to a delegate



# PROFILES

## DR PIA OSTERGAARD

### *Making the jump from zoology to human genetics*



**P**ia is currently mid way through an exciting Fellowship working to identify genes responsible for abnormal functioning of the lymphatic system.

Pia Ostergaard's thesis for her doctorate was based on the morphological studies of a group of fish parasites and was carried out at Imperial College and The Natural History Museum. Pia then went on maternity leave and had 2 children. First a son, Jeppe (4), and then a daughter, Sif (3). When Sif was about one year old, Pia started thinking about returning to work, ideally part time.

After deciding she wanted to return to her career, Pia realised that most of the biology jobs advertised were in the field of human biology and required knowledge of cellular or molecular techniques. Pia remembered that she had come across the Trust while 'googling' for Fellowships on the web before her first pregnancy. She eagerly applied for a Daphne Jackson Fellowship realising that this would be an excellent way to change the direction of her career, learn new techniques while giving her greater scope and a wider choice of employment opportunities.

Pia's Fellowship is sponsored by the Medical Research Council and she is working at the Medical Genetics Unit at St. George's Medial School University of London. She was excited to be in research again although she was a little concerned about how she would cope with change of field. She was not worried about how the family would cope as she is getting great support from partner, Erik. "I am really happy about this

arrangement, my kids enjoy being with the childminder and I am sure it is healthy for them to be away from their mother a couple of days a week", says Pia.

The research being carried out by Pia is directed at understanding the genetic basis of inherited lymphatic dysplasia which causes abnormal functioning of the lymphatic system leading to impaired lymphatic drainage and hence to chronic swelling. (Like the blood circulatory system, the lymphatic system is composed of fine capillaries that lie adjacent to the blood vessels and it is, among other functions, responsible for fluid balance). Pia talks about her work, "we are specifically investigating chylous ascites, which is a rare form of primary lymphoedema characterised by fluid retention in the abdominal cavity. There is currently no cure and no effective drug therapy. In order to develop treatments, it is important to understand more about the disease, its origin and its development and we are trying to identify the causative gene in patients. We have a number of cases where chylous ascites is part of a generalised lymphatic abnormality. The objectives are to screen these patients for mutations on a series of candidate genes, e.g. the Angiopoeitin 2 gene, which has been identified in a pilot study as possibly causative. It would be a real breakthrough if we could substantiate this." Even if Pia is lucky and it happens during her Fellowship, there is still a long way to go from identification of the causative gene to a cure. Therefore, she and her supervisor, Professor Steve Jeffery, are applying for further funding to ensure the future of this project. Pia also plans to continue to work part time for years to come and she reflects "This Fellowship has been an incredible experience. I have proven to myself and hopefully also my colleagues that research can easily be done on a part time basis."



# DR BERNADETTE EGAN

## *From Fellowship to Research Fellow and Daphne Jackson Trust Co-ordinator*

The start of a post-doctoral research position at South Bank University London in January 2002 marked my return to full time science after an eleven year break. That this was possible was due to both my determination to return to a scientific career and to the Daphne Jackson Trust.

I did a degree and a PhD in Biochemistry and after completing a postdoctoral position at the University of Surrey in 1991, I took a career break to start a family. It was always my intention to return to science at an

appropriate point in time but I had not envisioned just how difficult this might be. Although I had kept up contact with colleagues in science and occasionally did some laboratory work, returning after a long break seemed insurmountable and my confidence in my own abilities was very low.

I heard about the Trust from a Daphne Jackson Fellow at the University of Surrey and decided this could be my way back into research. The fact that I had to organise a project, write about it and submit it was a formidable but very valuable exercise. I was very fortunate in being able to approach people that I already knew at the University of Surrey and they provided invaluable advice in preparing my application and helped me believe that it was possible! Being awarded the Fellowship felt like a tremendous achievement and I had overcome the first hurdle.

I started my Fellowship at the University of Surrey in February 2000. My priority was to combine my Fellowship with my family commitments. This required some juggling at times! When I started my Fellowship my youngest child was still at nursery school, whilst my two older children were at primary school. The part time nature of the Fellowship allowed me to work around the various schedules and I learnt to be very organised and to plan well in advance! That familiar obstacle of finding affordable, reliable childcare had to be overcome.

My initial worries about returning to laboratory work were soon allayed. There was a sense of pride in having my own



*Bernadette Egan (pictured right), with another Fellowship Co-ordinator, Jo Turner*

project to manage and I soon revived many of my former skills, as well as learning some new ones. My project involved investigating the antimicrobial activity of dietary phenols and interestingly I was able to show that gram-positive organisms are sensitive to green tea phenols whilst gram-negatives are not. Equally important was the retraining aspect of the Fellowship. I attended modular computer courses, which I found invaluable and participated in a presentation skills course run by the Trust.

As my Fellowship progressed my confidence grew steadily, helped by giving a number of presentations. I began to focus on the area of science I would like to pursue and decided this was the subject of food safety, specifically from a research point of view. I have now gained a wide range of postdoctoral research experience, working on projects for the UK Food Standards Agency and currently on a European project relating to food composition.

The Daphne Jackson Trust has given me a tremendous opportunity to return to my chosen profession. Without it, specifically its part time nature and emphasis on retraining, I am not sure that this would have been possible.

I was delighted to be offered the opportunity to work for the Trust as a Fellowship Co-ordinator. This role allows me to support potential Fellows through the application process and I find it very rewarding to help other scientists and engineers get back to work.



# PROFILES

## DR HELEN FORD

*Enjoying a successful Fellowship and winning a prestigious*

Helen is involved in important research at Cranfield University where she has proposed and developed an optical sensing system, which will have wider applications in medical diagnosis than those currently available.

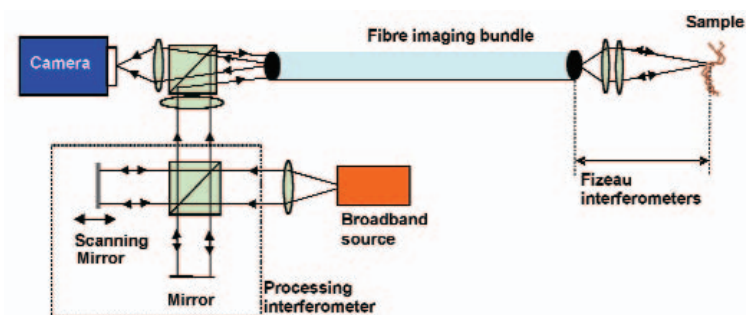
Dr Helen Ford started her Fellowship in September 2003 after a career break of about 5 years to care for her two young sons. She had previously worked full time at Cranfield, and knew she would want to return to research once her children were in school. She maintained some contact with her department during her break by continuing to go in for one day each week. When her younger child was approaching school age, she had more time to commit to her career but at that time at Cranfield, there was no opportunity for employment on a part time work contract. Her successful application for a Daphne Jackson Fellowship was therefore key in returning her to the research environment.

Helen developed her project with Professor Ralph Tatam in the Optical Sensors Group at Cranfield University and has been using the technical advances made in optical coherence tomography by the research group to develop her ideas. Optical coherence tomography (OCT) is a medical imaging technique that can be used to give high resolution images of tissue structure. Already in routine use in ophthalmology, it has huge potential and there is worldwide interest in developing instruments for use in cardiology, dentistry and oncology. Helen has been working on the development of an endoscope probe that will be able to make three-dimensional measurements using a special array of optical fibres called an



Dr Helen Ford, who won the Higher Education and Learning Institutes category at the 7th Annual British Female Inventors and Innovators Awards

imaging bundle rather than using a single fibre and having to scan across an area and use moving mirrors. This probe gathers information from a sample area of several square millimetres with a single measurement, and allows three-dimensional images to be obtained from a system in which no electrically-powered components need be present within the endoscope; a significant advantage for internal investigations. The results of Helen's work show considerable promise for further development of the instrument and ultimately routine clinical use, particularly in cancer detection.



Schematic of the Cranfield optical coherence tomography system incorporating a fibre imaging bundle. Each fibre addresses a unique position on the sample surface. Light reflected from the output face of the bundle mixes with light scattered by interfaces within the sample. The processing interferometer ensures that path lengths are matched for the two mixed beams; a requirement for the generation of interference fringes which carry the structural data. Information is obtained simultaneously, as a camera image, from all sample positions addressed by fibres within the bundle.

## Equalitec Award

This pioneering work has led to Helen winning a prestigious award at the 7th Annual British Female Inventors and Innovators Awards Ceremony in February 2006. She was the winner in the Higher Education and Learning Institutes Category for her innovative deployment of optical coherence tomography in medical imaging. It is her hope that the additional publicity generated by this success will assist her future career prospects, both by raising her profile within the University at Cranfield and by helping to secure further funding to continue the project.

Although Daphne Jackson Fellowships are normally given for 2 years, Helen's research showed such potential that she was awarded an extension of one year to allow further development of her system. Since her Fellowship began, she has co-authored 2 journal papers and 7 conference publications related to low coherence imaging, which is no mean feat considering that all this has been accomplished while working part time.

Additionally, Helen is eager to get wider experience and the maximum benefit out of her academic life as she explains "During the second half of the Fellowship I have tried to consolidate my return to an academic career by ensuring that I undertake the full range of activities appropriate to the University environment. These have included, in addition to my own research: supervising students, monitoring and assessment, submission of funding proposals, attendance at appropriate local meetings and international conferences and writing journal papers. The inevitable time pressures arising from a large diversity of activities, within limited working hours, were resolved partly by careful prioritisation and partly by the less rational route of working additional hours! I do sometimes feel frustrated by the relatively small proportion of my personal time that seems to be available for laboratory work, and I am aiming to try to increase this over the next few months. Fortunately my working day is extremely flexible and I have a great deal of freedom in the organisation of my work."

"Managing my home life with two growing boys also has its difficulties especially at school holiday times. My sons are now aged nine and seven and they are rapidly becoming

more independent and, although many weekday evenings still involve frantic attempts to supervise homework, and ferrying children to and from clubs, there are now longer periods of time at weekends when I can do my own thing, even if this is only cleaning the kitchen! My husband is also a physicist, and we are pleased that our two boys seem to have inherited our scientific genes. Both of them are obsessively interested in science and maths. They love coming in to work occasionally to see 'Mummy's experiments'. I am very keen to encourage children to have an interest in science and I have started an after-school science club at my local primary school this year, for children aged eight and nine. I find this hugely enjoyable and satisfying, and it is a very popular club. I have been very pleased that several parents have told me that their children have been inspired to repeat and explain our weekly experiments at home. Of the children attending, about 30% are girls, and I make particular efforts to encourage their interest."



# PROFILES

## DR JENNIFER RIVAS-PEREZ

### *Helping to combat pollution with iron oxides*



Dr Jennifer Rivas Perez started her Daphne Jackson Fellowship in July 2005 and although life has been pretty hectic ever since, she has now found her feet. She was quite scared of being back in the lab at first – something common to many new Fellows – but now she is quite happily getting on with everything as if she had never been away. “It is very rewarding to feel competent again” she says.

Jenny started a six year career break just after her second child was born, and during the break she finished writing up her PhD and had a third child. Jenny’s children, Daniel (14), Patrick (7) and Carmen (5) and her husband are all very supportive of her Fellowship. Jenny was introduced to the Trust by a friend who was at Glasgow University and thought it would be perfect to help her to get back to research.

During her career break Jenny kept up to date with relevant literature to her field and began to speak to researchers at the University of Leeds with a view to finding a research group she could eventually join. She is now working with Dr Liane Benning in the School of Earth Sciences at Leeds. It is an internationally recognised School hosting one of the leading earth and environmental geochemistry research groups.

Jenny’s research involves understanding the processes by which heavy metal pollutants and radionuclides are trapped by three important iron oxides, ferrihydrite, goethite, and hematite. Toxic metals and radionuclides are common pollutants in soil,

surface waters and groundwaters and the ultimate goal is obviously to help protect the environment by reducing the amount of dangerous pollutants. Iron oxides have a huge application in immobilising pollutants. They have a large and very reactive surface area and this characteristic gives them the ability to interact chemically with many different heavy contaminant metals. They have the ability to trap and fix metals on their surfaces, and, given the right chemical conditions, to change structure and form harmless new minerals with different physical properties. Jenny’s work will aim to understand and quantify what happens to the pollutants when they are trapped by the iron oxides and whether they stay immobilised or whether they are released back into the environment under certain conditions.

Jenny is very happy to be back in research with the help of her Fellowship and has helped the Trust by being filmed for a DVD which shows nine past and present Fellows speaking about their experiences. She also attended a media skills course run by the Trust in October 2005 which was designed to give the Fellows a taste of how the media works as well as help them with how to present their research to a lay audience.



*Jenny Rivas-Perez (right), with Pia Ostergaard, during filming for the DVD*

When asked about the future Jenny replies “It’s all a bit of a haze at the moment, but I have a very single minded boss who is very good at getting research funding, so that has to be a help”.



# FELLOWS IN POST 2005

## DR CHRISTINA BASKARAN

**Started Fellowship** May 2004

**Subject** Chemistry

**Host** University College London,  
Department of Chemistry

**Sponsor** Engineering and Physical Sciences  
Research Council (EPSRC)



*I have had another successful year of the Fellowship. It is nearly over and I am busy looking for jobs. I am thankful for the Fellowship and the support provided by the Trust in helping me get back to science.*

## DR SUE BICKERDIKE

**Started Fellowship** January 2004

**Subject** Biochemistry

**Host** University of Leeds, Division of  
Microbiology

**Sponsor** Biotechnology and Biological Sciences  
Research Council (BBSRC)



*The Fellowship has enabled me to re-acquaint myself with techniques that were once familiar, but subsequently forgotten during my time at home with the children, and to develop new skills which have brought me into line with current and cutting edge research ideals. In addition to updating my practical skills I have had the opportunity, through supervision of project students and collaboration with other departments and researchers, to develop a wide range of interpersonal and networking skills. These will undoubtedly be of great benefit to me throughout the rest of my scientific career. Most importantly though, the Fellowship has given me back the confidence to be an independent and successful researcher, something for which I am extremely grateful.*

## DR JUANITA CARREY

**Started Fellowship** May 2004

**Subject** Molecular Biology

**Host** GlaxoSmithKline R&D Ltd,  
Genomics and Proteomics Sciences  
Division

**Sponsor** Biotechnology and Biological Sciences  
Research Council (BBSRC)



*The second year of my Fellowship went by even more quickly than the first! I made significant progress in my project with things starting to really fall into place, which was very satisfying. I built upon the experience and expertise I had gained in my first year, enabling me to move my project forward into a different phase with 'new' techniques to master. Overall 2005 has been a successful year for me.*

## DR SOPHIA CHALKER

**Started Fellowship** September 2003

**Subject** Chemistry

**Host** University of Liverpool, Surface  
Science Research Centre

**Sponsor** Royal Society of Chemistry/  
Engineering and Physical Sciences  
Research Council (EPSRC)



*I completed my Fellowship at the end of October. Last summer I particularly enjoyed taking a poster to a conference at Cardiff, where I had studied for my PhD 1982-1985. It was a great opportunity to see how the subject of surface science has progressed in recent years and re-establish contacts. I now have a paper on the adsorption of dimethylamine on copper and nickel surfaces accepted for publication in Surface Science. Another paper will follow shortly. It is great to be back in business thanks to Daphne Jackson Trust, the Royal Society of Chemistry and the Engineering and Physical Sciences Research Council.*

## DR ANNE DUNCAN

**Started Fellowship** May 2005

**Subject** Obstetrics and Gynaecology

**Host** University of Aberdeen

**Sponsor** Biotechnology and Biological  
Sciences Research Council (BBSRC)



*I have really enjoyed the first year of my Fellowship and the challenge of balancing a career in research with 3 children and all their extra-curricular activities. Initially my time at work was spent on literature searches and on a protocol for the vitrification of human embryos. During this time I was able to attend some university based courses which were very helpful in updating some of my existing skills. I enjoy feeling part of the team in the Unit and have been encouraged to get involved with other ongoing research projects. In November I attended the annual departmental research meeting and although nervous at not having talked at a meeting for some years, was able to report on my project. The highlight of the year has been starting my Fellowship, and the opportunity after a career break of a few years to apply research in an area where I can use some of my existing skills and I have enjoyed the challenge of learning new techniques and skills.*

# FELLOWS IN POST 2005

## DR KAREN FERNANDO

**Started Fellowship** October 2004

**Subject** Molecular Biology

**Host** University of Sussex, Genome Damage and Stability Centre

**Sponsor** Biotechnology and Biological Sciences Research Council (BBSRC)



*I have completed one year of my Fellowship. I have regained much of my confidence in my molecular biology skills and am continuing to gain more of an understanding of my new research in the field of mitosis/cell biology. The Daphne Jackson Trust has been very supportive throughout this year, providing the opportunity to attend courses and meetings that are especially designed for SET returners.*

## DR NICOLA GARDNER

**Started Fellowship** October 2004

**Subject** Biochemistry

**Host** University of Cambridge, Department of Biochemistry

**Sponsor** Lucy Cavendish College, Cambridge/ Thriplow Charitable Trust



*I have been continuing to thoroughly enjoy the challenges of returning to research after a gap of 18 years. My research into how the yeast protein, Hmo1, influences DNA damage and repair is progressing well and will hopefully result in a publication towards the end of my Fellowship. I am now at the stage of needing to find funding to be able to continue the work after my Daphne Jackson Fellowship.*

## DR TONI FLEMING

**Started Fellowship** January 2005

**Subject** Biochemistry

**Host** University of Edinburgh, School of Chemistry

**Sponsor** Biotechnology and Biological Sciences Research Council (BBSRC)



*I have enjoyed returning to work in the lab, finding research both challenging and rewarding. I have been very lucky as I have been surrounded by very supportive colleagues who have helped with my day to day retraining when I first returned, to now entrusting me with the supervision and training of other scientists. In the past year, I have attended two biocatalysis conferences giving me an opportunity to learn about the latest results from leading researchers in this field and also to make new contacts. More recently I was excited when I was able to contribute to a paper which has now been published – my first paper since returning to work and I have another one in preparation. My research looks promising and I am now looking forward to a productive year ahead.*

## DR ANOMA GUNewardena

**Started Fellowship** August 2005

**Subject** Polymer Chemistry

**Host** University of Loughborough

**Sponsor** The Royal Society of Chemistry



*I started my Fellowship on 1st August 2005 and have initially been retraining on different equipment and methods. My work is on PVC, therefore I started with the processing techniques such as blending, milling, moulding etc. while also retraining on characterisation techniques, such as differential scanning calorimetry and several other methods. I have attended a few computing courses conducted by the Professional Development Department of Loughborough University, such as Powerpoint and FrontPage.*

## DR HELEN FORD

**Started Fellowship** September 2003

**Subject** Optical Sensing

**Host** Cranfield University, Optical Sensors Group

**Sponsor** Royal Academy of Engineering



*The outcome of my original two-year Fellowship on medical imaging was very successful, and my sponsors generously extended their funding for an additional year to allow me to develop the technique further. I have made the most of this additional period by ensuring that I took on tasks including student supervision, monitoring and examination, and participated in writing grant proposals.*

## DR JANET HIGGINS

**Started Fellowship** September 2004

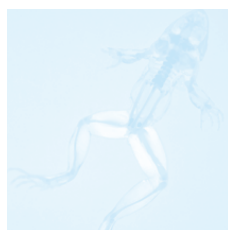
**Subject** Plant Science

**Host** John Innes Centre, Department of Crop Genetics

**Sponsor** The Gatsby Foundation



*I have had a very busy and enjoyable year, the highlight of which was presenting a poster at the Plant Genomics European Conference in Amsterdam. It was a very inspiring meeting enabling me to talk about my research with plant scientists from all over Europe. It was exciting to hear about novel research in plant science especially in the application of bioinformatics, motivating me to further my own scientific thinking. I have also completed many training courses including an award in management, all of which will aid my career progression. I am now thinking about how to secure employment after my Fellowship, exploring both grant and job applications.*



## DR SAMI KAFALA

**Started Fellowship** September 2003

**Subject** Physics

**Host** University of Surrey,  
Department of Physics

**Sponsor** University of Surrey

*I finished my Fellowship in 2005 and I am now working at Imperial College in London. During 2005, I attended the first UAE International Conference on Biological and Medical Physics at which I presented a paper. I also attended other meetings and courses and particularly enjoyed the Media Awareness course run by the Daphne Jackson Trust.*



## DR JULIE KIRK

**Started Fellowship** November 2004

**Subject** Physics

**Host** Rutherford Appleton Laboratory,  
Department of Particle Physics

**Sponsor** Particle Physics and Astronomy  
Research Council (PPARC)

*I have really enjoyed the first year and a half as a Daphne Jackson Fellow. After an eight year career break I had much to catch up on and the re-training aspect of the Fellowship has given me the chance to attend a number of computing courses and update my skills. In particle physics, experiments are performed in large collaborations (in my case more than 1000 people) but with the support of colleagues I feel that I am now able to make valuable contributions. The highlight of my year was presenting my first results at a collaboration meeting in June. Working part-time has given me the opportunity to return to active research whilst maintaining a good work-home balance. I am now looking forward to the challenges and rewards of the final six months of my Fellowship.*



## DR DEBORAH KOHN

**Started Fellowship** April 2004

**Subject** Botany

**Host** NERC Centre for Ecology and  
Hydrology, Banchory/Royal Botanic  
Garden Edinburgh

**Sponsor** Natural Environment Research Council (NERC)

*I was 'in place' for all of 2005, and I finished the second of 3 field seasons, including the second year of an extensive bluebell survey that I established as an experiment in the field across Scotland (7 sites) that will run for 2 years and give data on competition and effects of climate.*



## DR LAURA LAURO-TARONI

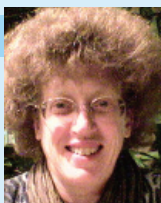
**Started Fellowship** July 2004

**Subject** Computing

**Host** University of Oxford, Department of  
Materials Science

**Sponsor** The Leverhulme Trust

*Laura resigned from her Fellowship in August 2005.*



## DR BEATRICE LINDSAY

**Started Fellowship** June 2004

**Subject** Materials Science

**Host** University of Surrey,  
Surface Analysis Laboratory

**Sponsor** National Endowment for Science  
Technology and the Arts (NESTA)

*I've had a challenging year really, but the problems have been overcome. I am in the process of writing two papers. One is ready to be sent off, but my supervisor wants them both to be next to each other in the journal, so we have to hold on until the other one is ready, which is coming along. The highlight of my year in 2005 was the presentation of my work at an important conference (held every 2 years) in the field of surface analysis. This was the ECASIA conference (European Conference on the Applications of Surface and Interface Analysis) held in Vienna in September. There were good reports about me and my work. I had a poster there. It was an exciting conference to attend and would not have been possible without the Daphne Jackson Trust.*



## DR ANA LOPEZ

**Started Fellowship** April 2004

**Subject** Theoretical Physics

**Host** University of Oxford, School of  
Geography and the Environment

**Sponsor** Natural Environment Research  
Council (NERC)

*My balance of the year is very positive. After just one year of research in a completely new subject, I finished a paper that was subsequently accepted for publication. I also had the opportunity to visit my collaborators in USA, and managed to find a postdoctoral position to continue my research after the end of the Fellowship.*



## DR CHRISTINA LYE

**Started Fellowship** February 2003

**Subject** Marine Biology

**Host** Newcastle University,  
Department of Marine Sciences  
and Coastal Management

**Sponsor** Natural Environment Research Council (NERC)

*I found it tremendously stimulating and rewarding to initiate and maintain research collaborations across disciplines. I feel this has given me multidisciplinary training in science, helped me build up an invaluable contact network and given me plenty of experience of working independently as well as a team worker. I also feel I have acquired an enormous amount of training (technical, scientific, personal), broadened my contact net and obtained scientific recognition in my field (which for me led to environmental consultancy work for the UK government).*





# FELLOWS IN POST 2005

## DR FRANCESCA MARUBINI

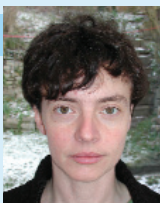
**Started Fellowship** October 2004

**Subject** Biology

**Host** University of Aberdeen,  
Department of Zoology

**Sponsor** Natural Environment Research  
Council (NERC)

*I enjoyed this year of research very much. I took the opportunity to attend three prestigious courses in statistical analysis and GIS and learnt a lot. By the end of the year I was able to put my newly acquired knowledge to fruition and presented a study on the distribution of harbour porpoises at an international conference. I received very positive feedback and to my great pleasure, I was invited by a luminary in the field to present my work at his university.*



## DR ANNA PLODOWSKI

**Started Fellowship** July 2005

**Subject** Biological Sciences

**Host** University of Nottingham,  
School of Community and  
Behavioural Health Sciences

**Sponsor** The Gatsby Charitable Foundation

*After several revisions of the experimental tasks and data analysis steps, the fMRI study (of remitted depression and limbic network activity) on which I have been working is finally up and running. I shall be very sad to finish my Fellowship at the beginning of July 2006, but am delighted to say that I have recently been offered a 3 year post-doc at the Institute of Psychiatry to work on a study of violent offenders using EEG and fMRI. I am sure that the fMRI skills I gained as part of my Fellowship were an essential part of being offered this post, and I'm very grateful to the Trust for its support.*



## DR JOHN MASON

**Started Fellowship** January 2005

**Subject** Materials Science

**Host** University of Wales Swansea,  
Materials Research Centre

**Sponsor** The Leverhulme Trust

*I have enjoyed the first year of my Fellowship and feel that it has been a success. My time has been spent predominantly in learning modelling and programming techniques. I now have the skills to start original work and have been developing a novel method for creep modelling, for several months now. My family continue to be very supportive, our 12 year old son, Richard has enjoyed visiting the University and looking round the labs and office where I work. Seeing that you can do interesting and exciting things with science and maths may help to motivate him. Margaret thinks spouses and partners should have the opportunity to make some input and comments that we have been happier as a family since I started the Fellowship.*



## DR JANE POVEY

**Started Fellowship** January 2003

**Subject** Biochemistry

**Host** Pfizer Limited, Discovery Biology

**Sponsor** Pfizer Limited

*I finished my Fellowship in January 2005, so I was not really in post for very much of 2005 at all! However, after my Fellowship I took up a post doc position at the University of Kent which I am enjoying. I still have flexibility and am able to work part time which fits in well with my work life balance.*



## DR PIA OSTERGAARD

**Started Fellowship** April 2005

**Subject** Genetics

**Host** University of London,  
St. George's Medical School

**Sponsor** Medical Research Council (MRC)

*I was delighted when I was awarded a Daphne Jackson Fellowship. Being back in research has been exciting and the first year has flown by at the speed of light. Returning to work part-time is wonderful and doing research part-time is possible! I am looking forward to the next year and I am excited to see what it brings.*



## DR JENNIFER RIVAS-PEREZ

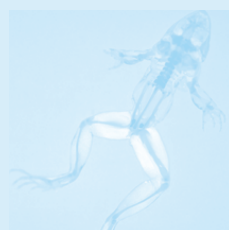
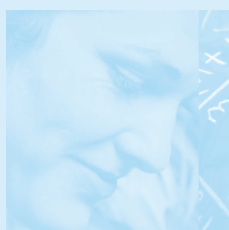
**Started Fellowship** July 2005

**Subject** Geochemistry

**Host** University of Leeds,  
School of Earth Sciences

**Sponsor** Engineering and Physical Sciences  
Research Council (EPSRC)

*I started my Fellowship in July and I have enjoyed getting back into the lab and doing some actual science. I really feel that I am back into it now and am looking forward to the rest of my Fellowship and the future.*



## DR GILLIAN SEBESTYEN

**Started Fellowship** March 2004

**Subject** Neuroscience

**Host** University of Sussex, School of Cognitive and Computing Sciences

**Sponsor** The Gatsby Charitable Foundation

2005 has been a busy year for me. Some highlights were presenting a poster at the Annual American Society of Primatologists Meeting, 17-21 August, 2005 in Portland, Oregon, and speaking at the BA Festival in Dublin in September 2005. I have done a number of media interviews about my work and have been quoted in New Scientist magazine, and been on radio shows in England, Ireland and Australia.



## DR LINNEA SOLER

**Started Fellowship** September 2003

**Subject** Chemistry

**Host** University of Oxford, Dyson Perrins Laboratory

**Sponsor** Royal Society of Chemistry/  
Engineering and Physical Sciences  
Research Council (EPSRC)

The second year of my Fellowship has been both extremely busy and rewarding as my research project has developed leading me down unexpected paths, such as the development of novel methodologies into the direct observation of catalytic processes, which resulted in my introduction to new hands-on skills such as X-ray crystallography and solid-state NMR spectroscopy. The very real pleasure and satisfaction that my Fellowship has provided on a daily basis has proved to me that the battle to return to the field of scientific research after my career break has been worthwhile. I am exceedingly grateful to the Daphne Jackson Trust and to my sponsors, The Royal Society of Chemistry and The Engineering and Physical Sciences Research Council, for providing me with the opportunity to re-establish myself as a scientist and to establish myself within the scientific community.



## DR SALIMA SOUANEF-URETA

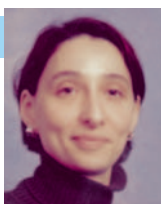
**Started Fellowship** September 2004

**Subject** Organic Chemistry

**Host** MRC Laboratory of Molecular Biology, Cambridge

**Sponsor** Medical Research Council (MRC)

I am now in the second year of my Fellowship and it has given me the opportunity to update my technical and research skills in the proteomic research field which will open new opportunities in my research career. I identified the in vivo phosphorylation sites in specific proteins using mass spectrometry. Because the levels of phosphorylation are low and highly regulated, it is not easy to do this. A further complication is that ionization of phosphopeptides in mass spectrometry is suppressed by the more abundant non-phosphorylated peptides. For this reason, my work is concentrating on mastering and improving the mass spectrometric methods to detect phosphopeptides.



## DR JILL STOCKS

**Started Fellowship** February 2004

**Subject** Chemistry

**Host** University of Manchester,  
School of Epidemiology and  
Health Sciences

**Sponsor** The Gatsby Charitable Foundation

This past year I have worked really hard to persuade men to give me their left over semen samples! I have made several changes to the protocol for my study of male infertility to address the low recruitment rate. I now have almost enough samples to analyse and am in the process of extending the study to another three hospitals. I've also started collaborations with scientists in Denmark and Germany in related areas. I have done the pilot work for a proposal, recently submitted, looking at DNA damage in sperm and phthalate exposure. I hope this will provide further funding for me at the end of my Fellowship to continue working in this field. I would have liked to say I had published some results but not quite yet! A highlight of my year was seeing the results of an experiment done in Germany measuring the effects of alkylating agents on DNA using the biomarker that I had developed.



## DR LEE STRADMEYER

**Started Fellowship** April 2002

(Fellowship suspended for one year in 2003)

**Subject** Fish Biology

**Host** Freshwater Laboratory, Pitlochry

**Sponsor** Natural Environment Research  
Council (NERC)

I finished my Fellowship in May 2005 after broadening my training into fish genetics. I am grateful to the Trust and my Sponsors for giving me the opportunity to get back into the workplace, gain confidence and learn new skills. I very much enjoyed working with my colleagues and thank them for teaching me the various fragments of my training and keeping a sense of humor at all times! I'm pleased that all the hard work has paid off in an initial contract of 11.5 months with the genetics team.



## DR JANET SUMNER

**Started Fellowship** September 2002

**Subject** Geology

**Host** The Open University,  
Department of Earth Sciences

**Sponsor** Natural Environment Research  
Council (NERC)

Although I was unable to get back to a career in full time scientific research the Fellowship has opened a wonderful new door for me in the form of science presenting - I really feel as if I am giving something back to more than just the science community by presenting popular science in a way that the general public can engage with and hopefully this will encourage people of all ages to develop an enthusiasm for science - it's particularly important for me to be a role model for women.



# FELLOWS IN POST 2005

## DR BHAVANA TRIPATHI

**Started Fellowship** September 2005

**Subject** Chemistry

**Host** University of Warwick, Department of Chemistry

**Sponsor** The Leverhulme Trust

*The Daphne Jackson Fellowship has provided me with an excellent opportunity to get back to scientific research after my career break for 3 years. After receiving the Fellowship in early April 2005, I joined University of Warwick in September. The training in organic synthesis of asymmetric catalysts wasn't very easy at the beginning as my background was in heterogeneous catalysis. My research is progressing well and will be published soon. I profusely thank the Daphne Jackson Trust for their invaluable support and providing a fresh start to my scientific career.*



## DR RACHEL WALCOTT

**Started Fellowship** July 2005

**Subject** Geosciences

**Host** University of Edinburgh, School of Geosciences

**Sponsor** Natural Environment Research Council (NERC)

*I started the Fellowship half way through 2005. It has been a journey up a surprisingly steep learning curve: learning to juggle work and home, entering a new field (Physical Geography), learning new skills (programming at the age of ~40!, GIS, geomorphic theory) but also very exciting. I have particularly enjoyed the freedom to work flexible hours (e.g. during the weekend, during term time etc). The highlight so far has been to use my newly acquired skills to help a colleague analyse some Martian glacial structures.*



## DR INDIRA VISHNUBHATLA

**Started Fellowship** February 2004

**Subject** Biochemistry

**Host** University of Surrey, School of Biomedical and Molecular Sciences

**Sponsor** University of Surrey

*In my second year as a Daphne Jackson Research Fellow, I found the work/home routine much easier to maintain and completed my research as planned in my proposal. It was very motivating to get results and have opportunities to present them at meetings, such as the international workshop 'Twenty years of Selenium Fertilization' held in Helsinki. I feel that the Fellowship has been an excellent experience and I am grateful to my sponsor, University of Surrey, and supervisors, Dr Margaret Rayman and Dr Fiona Green, for giving me this opportunity.*



## DR HEATHER WINDRAM

**Started Fellowship** January 2003

**Subject** Biochemistry

**Host** University of Cambridge, Department of Biochemistry

**Sponsor** The Leverhulme Trust

*During 2005, I took time away from my work on the 'Evolution of Manuscripts' to work on a collaborative project with a musicologist to produce an interactive CD-ROM edition of the keyboard music of Albertus Bryne (a 17th Century English composer and organist). The aim of this project is to provide access to all the manuscript sources and their literal transcripts, along with exact performances (not by me!) of each source. The reader can then use the guidance and materials present on the CD-ROM to develop their own interpretation of the music, or, if they prefer, they may rely on the edition provided. I also started some preliminary work on the coding of musical texts for stemmatic analysis.*



## DR PAULETTE VAN VLIET

**Started Fellowship** August 2005

**Subject** Biological Sciences

**Host** University of Birmingham, School of Health Sciences

**Sponsor** The Daphne Jackson Trust Endowment Fund

*I started during October 2005 in the School of Health Sciences in what was a special case for a Fellowship. I obtained a job during the application process but needed six months intensive training on software, which I was able to get through the Fellowship. I have now had a paper accepted for publication and have been collecting lots of data. My Fellowship has finished but it was a great help to have the extra time to do the training I needed.*



## DR LIPING ZHANG

**Started Fellowship** January 2004

**Subject** Engineering

**Host** University of Liverpool, Department of Engineering

**Sponsor** The Leverhulme Trust

*During 2005 a journal paper and a conference paper were published. A SEM image of my sample was entered into a competition and was featured in the 2005 year's calendar issued by Materials Today. After having finished my Fellowship, at the end of 2005, I started to work in our department as a part time researcher. I am very grateful to the Trust for giving me this opportunity and to the Leverhulme Trust for the support.*





# SPONSORS & DONORS

## SPONSORS

### RESEARCH COUNCILS

Biotechnology and Biological Sciences Research Council  
Engineering and Physical Sciences Research Council  
Medical Research Council  
Natural Environment Research Council  
Particle Physics and Astronomy Research Council

### UNIVERSITIES

Imperial College of Science, Technology and Medicine  
Loughborough University  
Lucy Cavendish College, Cambridge  
Royal Holloway, University of London  
University of Aberdeen  
University of Bath  
University of Brighton  
University of Bristol  
University College London  
University of Nottingham  
University of Surrey

### PROFESSIONAL BODIES

The Royal Academy of Engineering  
Institute of Physics

### SOCIETIES / CHARITIES

The Clothworkers Foundation  
Daphne Jackson Trust Endowment Fund  
Gatsby Charitable Foundation  
The Leverhulme Trust  
London Mathematical Society  
National Endowment for Science, Technology and The Arts  
National Grid Transco  
The Nuffield Foundation  
Royal Commission for the Exhibition of 1851  
The Royal Society  
The Royal Society of Chemistry  
Thriplow Charitable Trust  
Vodafone Group Charitable Trust

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Professor Elizabeth Johnson (bequest)  
Oxford Instruments

Motorola Foundation (USA)  
Pollitzer  
PowerGen  
The Science Council  
Smiths Industries  
UK Resource Centre for Women in SET  
Vodafone  
Zeneca

# DIRECTOR'S REPORT

*The Daphne Jackson Trust had another successful year in 2005.*

**The Trust's realistic and professional approach has gained widespread support from charities, institutions and industry.**

The Trust welcomed two new Trustees in 2005; Professor Christopher Snowden, Vice Chancellor of the University of

Surrey, who took on the role of Chairman of Trustees, and Mrs Teresa Schofield, who became the Women's Engineering Society representative.

The Trust also welcomed Dr Anca-Mihaela Vais as a Fellowship Co-ordinator and Miss Penelope Harris as the Fellowship Administrator, following the resignation of Mrs Susan Smith in June 2005.

## GENERAL TRUST ACTIVITIES

The Director has been asked to present details about the Trust on a one-to-one basis to Vice-Chancellors, Directors, and others, and invited to be a guest speaker at conferences, groups and meetings during the year. All these occasions helped to raise the profile and increase awareness of the Trust.

Dr Katie Perry, the Trust's part-time Press and Public Relations Manager continues to successfully raise the profile of the Trust with the science, engineering and technology (SET) community. The press and public relations strategy over the last two years has seen a shift in emphasis from media relations to public relations and every effort is made to maximize all potential opportunities for the Trust whilst maintaining a presence at an increasing number of events to raise the profile and awareness of the Trust and its work.

The Trust is increasingly being invited to attend events and receptions organised by learned societies, professional institutions and organisations with an interest in Women in SET.

## MEETINGS & ADMINISTRATION

There has been one meeting of the Trustees during the year, the Annual Meeting held on 1<sup>st</sup> March 2005. The Trustees have supported the Trust by giving generously of their time and expertise during the year.

The Finance and General Purposes Committee met twice during the year in February and October.

The Risk Register, commenced in 2003, is reviewed annually. A Reserves Policy Statement is included in the Audited Accounts.

A complete review of the Trust Regulations was completed in 2005.

The Awards Committee considered and approved eleven new Fellowship applications during the year. The Awards Committee Chairman reviewed three applications for extension, all of which were approved.

The Trust continues to be very grateful to the University of Surrey and, in particular, the Department of Physics for providing office space and the use of facilities on a day to day basis.

A Special Discretionary Fund, established in 2001 to assist Fellows with hardship needs such as childcare costs, has proved a great benefit to its recipients. Ten Fellows benefited from the Fund during 2005.

## SPONSORSHIP

The Trust Administration Team has given numerous presentations in 2005 to enlist support and to encourage sponsorship. All but one approach for sponsorship has been successful. Many sponsors restrict pledges of Fellowship funding to a specific subject area. This, combined with various timing and geographic constraints, means that continuous funding effort is required to ensure that successful Fellowship applications can be put in place as soon as the award decision has been made. The Trust values every offer of sponsorship it receives because each one can make a significant difference to the success of the Fellowship Schemes.

## UNIVERSITY SUPPORT

The University of Surrey fully funded two Fellowships during 2005, making a total of five Fellowships to date. Another Fellow will be half funded during 2006.

A Fellowship, which is jointly funded by Lucy Cavendish College, Cambridge, and the Thriplow Charitable Trust, continued during 2005. Another Fellow is being sought for 2006.

Royal Holloway University of London is holding open funding for half/whole Fellowship.

Bristol and Brighton have each agreed to fund a Fellowship once a suitable candidate is found.

## INDUSTRY SUPPORT

One industry-based Fellowship funded by Pfizer Central Research at its Sandwich site completed at the beginning of 2005. Four suitable candidates for further Pfizer Fellowships are now being sought.

Apart from one Industry-based Fellowship at Pfizer Central Research, six Fellowships outside universities were in place during the year.

Rolls-Royce Plc has pledged its further support by agreeing to fund two more Fellowships, one in university and another in industry.

The Motorola Foundation (USA) invited the Trust to apply for a seventh grant.

## GOVERNMENT SUPPORT

Support from the Research Councils continued and proves an invaluable source of funds giving scope for a range of research interests.

The table below shows the sponsorship position.

| Research Council                               | Fellowships Pledged | Awarded to end 2005 | In post 2005 |
|--|---------------------|---------------------|--------------|
| Biotechnology and Biological sciences<br>BBSRC | 1.5 / Year          | 8.5 (10 Fellows)    | 5            |
| Engineering and Physical Sciences<br>EPSRC     | 1/ year for 5 years | 11 (13 Fellows)     | 4            |
| Medical<br>MRC                                 | 1/ year             | 2 (2 Fellows)       | 2            |
| Natural Environment<br>NERC                    | 3/ year             | 13.5 (14 Fellows)   | 6            |
| Particle Physics and Astronomy<br>PPARC        | 1/ year             | 3 (3 Fellows)       | 1            |



# DIRECTOR'S REPORT

## CHARITABLE SUPPORT

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The Leverhulme Trust continues to play a key role in providing funds to enable the Trust to award Fellowships to good candidates.

NESTA, the National Endowment for Science Technology and the Arts, continued to fund a Fellowship during 2005, with a second Fellowship awarded in 2005 and beginning in 2006.

An application for funding was made to the Nuffield Foundation in 2005. This was redirected to the Elizabeth Nuffield Educational Fund. The application was successful and a fellowship was funded during 2005.

The Royal Academy of Engineering continued to support the Trust by funding a Fellowship in 2005.

The Royal Society of Chemistry continued to half fund two Fellowships in 2005.

The Gatsby Charitable Foundation awarded a grant for two half-time Fellowships over three years with a small additional provision for childcare costs. These Fellowships continued

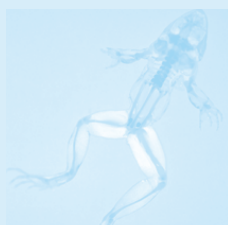
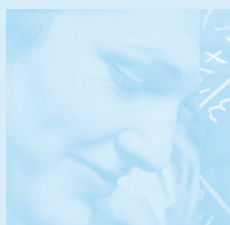
during 2005. A further two Fellowships were awarded in 2005, both for a duration of two years half time.

The Thriplow Charitable Trust continued to support the work of the Trust and a donation is in place to match funds given by Lucy Cavendish College, Cambridge. A Fellowship continued during 2005. A suitable candidate is being sought for another Fellowship.

The London Mathematical Society agreed to support a Fellowship and a suitable candidate is being sought.

The National Grid Transco Foundation (formerly The Lattice Foundation) confirmed it is likely to support another Fellowship following the successful completion of the first held at Advantica Technologies Limited.

An application for a second grant was made to the Goldsmiths' Company for purposes of general Trust development. This was successful and the first instalment was received in 2005.



# TRUST SUMMARY 2005

## FELLOWSHIPS COMMENCED IN 2005

| NAME                    | START DATE | END DATE | HOST                        | SPONSOR                          |
|-------------------------|------------|----------|-----------------------------|----------------------------------|
| Dr Anne Duncan          | 02/05/05   | 01/05/07 | University of Aberdeen      | BBSRC                            |
| Dr Karen Fernando       | 26/01/05   | 25/01/07 | University of Sussex        | BBSRC                            |
| Dr Toni Fleming         | 04/01/05   | 03/01/07 | University of Edinburgh     | BBSRC                            |
| Dr Anoma Gunewardena    | 01/08/05   | 31/07/07 | University of Loughborough  | The Royal Society of Chemistry   |
| Dr John Mason           | 04/01/05   | 03/01/07 | University of Wales Swansea | The Leverhulme Trust             |
| Dr Pia Ostergaard       | 04/04/05   | 03/04/07 | St Georges Medical School   | MRC                              |
| Dr Anna Plodowski       | 08/07/05   | 07/07/06 | University of Nottingham    | The Gatsby Charitable Foundation |
| Dr Jennifer Rivas-Perez | 01/07/05   | 30/06/07 | University of Leeds         | EPSRC                            |
| Dr Bhavana Tripathi     | 06/09/05   | 05/09/06 | University of Warwick       | The Leverhulme Trust             |
| Dr Paulette Van Vliet   | 01/08/05   | 15/03/06 | University of Birmingham    | DJT Endowment Fund               |
| Dr Rachel Walcott       | 01/07/05   | 30/06/07 | University of Edinburgh     | NERC                             |

## FELLOWSHIPS AWARDED IN 2005 AND COMMENCED IN 2006

| NAME               | START DATE | END DATE | HOST                   | SPONSOR                             |
|--------------------|------------|----------|------------------------|-------------------------------------|
| Dr John Everett    | 01/04/06   | 31/03/08 | University of Surrey   | University of Surrey/DJT            |
| Dr Barbara Galassi | 11/09/06   | 10/09/08 | Royal Holloway College | BP/Royal Holloway College           |
| Dr Alison Jones    | 01/02/06   | 31/01/08 | University of Bath     | EPSRC                               |
| Dr Annett Klinder  | 01/02/06   | 31/01/08 | University of Reading  | Elizabeth Nuffield Educational Fund |

## ONGOING FELLOWS IN 2005

| NAME                     | START DATE | END DATE | HOST                           | SPONSOR   |
|--------------------------|------------|----------|--------------------------------|---|
| Dr Christina Baskaran    | 03/05/04   | 02/05/06 | University College London      | EPSRC   |
| Dr Suzanne Bickerdike    | 12/01/04   | 11/01/06 | University of Leeds            | BBSRC   |
| Dr Juanita Carrey        | 04/05/04   | 03/05/07 | GlaxoSmithKline R&D            | BBSRC   |
| Dr Helen Ford            | 01/09/03   | 31/08/06 | Cranfield University           | Royal Academy of Engineering                      |
| Dr Nicola Gardner        | 13/10/04   | 12/04/07 | University of Cambridge        | Lucy Cavendish College/ Thriplow Charitable Trust |
| Dr Janet Higgins         | 01/09/04   | 31/08/06 | John Innes Centre              | The Gatsby Charitable Foundation                  |
| Dr Julie Kirk            | 01/11/04   | 31/10/06 | Rutherford Appleton Laboratory | PPARC   |
| Dr Deborah Kohn          | 04/05/04   | 03/05/07 | NERC Banchory/RGB Edinburgh    | NERC  |
| Dr Bea Lindsay           | 28/06/04   | 27/06/06 | University of Surrey           | NESTA   |
| Dr Ana Lopez             | 01/05/04   | 30/04/06 | University of Oxford           | NERC  |
| Dr Christina Lye         | 03/02/03   | 02/02/06 | Newcastle University           | NERC  |
| Dr Francesca Marubini    | 04/10/04   | 03/10/07 | University of Aberdeen         | NERC  |
| Dr Gillian Sebestyen     | 25/03/04   | 24/03/07 | University of Sussex           | The Gatsby Charitable Foundation                  |
| Dr Linnea Soler          | 22/09/03   | 15/03/07 | University of Oxford           | Royal Society of Chemistry/EPSRC                  |
| Ms Salima Souaneef-Ureta | 02/09/04   | 01/09/06 | MRC, Cambridge                 | MRC   |
| Dr Jill Stocks           | 02/02/04   | 01/02/07 | University of Manchester       | The Gatsby Charitable Foundation                  |
| Ms Indira Vishnubhatla   | 04/02/04   | 03/02/06 | University of Surrey           | University of Surrey                              |
| Dr Liping Zhang          | 05/01/04   | 04/01/06 | University of Liverpool        | The Leverhulme Trust                              |

## FELLOWSHIPS FINISHED IN 2005

| NAME                  | START DATE | END DATE | HOST                      | SPONSOR                           |
|-----------------------|------------|----------|---------------------------|-----------------------------------|
| Dr Sophia Chalker     | 08/09/03   | 31/10/05 | University of Liverpool   | Royal Society of Chemistry/ EPSRC |
| Dr Sami Kafala        | 08/09/03   | 07/01/05 | University of Surrey      | University of Surrey              |
| Dr Laura Lauro-Taroni | 01/09/04   | 31/08/05 | University of Oxford      | The Leverhulme Trust              |
| Dr Jane Povey         | 06/01/03   | 05/01/05 | Pfizer Limited            | Pfizer Limited                    |
| Dr Lee Stradmeyer     | 01/04/02   | 30/04/05 | Freshwater Lab, Pitlochry | NERC                              |
| Dr Janet Sumner       | 01/09/02   | 31/08/05 | The Open University       | NERC                              |
| Dr Heather Windram    | 13/01/03   | 12/01/05 | University of Cambridge   | The Leverhulme Trust              |

## DONATIONS

|                                       |        |
|---------------------------------------|--------|
| UK Resource Centre for Women in SET   | £6,265 |
| Institute of Physics                  | £1,000 |
| Professor Elizabeth Johnson (bequest) | £1,000 |
| The Science Council                   | £1,000 |

# THE DAPHNE JACKSON TRUST

## ADMINISTRATION TEAM

### TRUST DIRECTOR

*Mrs Jennifer Woolley*

### PRESS AND PUBLIC RELATIONS MANAGER

*Dr Katie Perry*

### SENIOR FELLOWSHIP CO-ORDINATOR

*Dr Elizabeth Pollitzer*

### FELLOWSHIP CO-ORDINATORS

*Dr Rosamund Baird*

*Dr Bernadette Egan*

*Dr Helena Tostevin*

*Ms Jo Turner*

*Dr Anca-Mihaela Vais (from July 2005)*

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*Mrs Susan Smith (until June 2005)*

*Ms Penelope Harris (from January 2006)*

### ADMINISTRATIVE ASSISTANT

*(Administrative Coordinator from December 2005)*

*Mrs Gill Norman*

### PR, MARKETING AND INDUSTRIAL ADVISORS

*Dr Valerie Alabaster*

*Mrs Susan Balgarnie*

### ADVISOR

*Mrs Marjorie de Reuck*

### HONORARY FINANCE OFFICER

*Dr David Faux*

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*(until November 2005)*

*Professor Christopher Snowden (Chairman)*  
*(from November 2005)*

*Professor Sir Tom Blundell*

*Mr Philip Greenish*

*Dr Mary Harris*

*Mrs Dorothy Hatfield*

*Dr Robert Hawley*

*Professor Dame Julia Higgins*

*Dr Brian Manley*

*Baroness Perry of Southwark*

*Dr Margaret Rayman*

*Mr Richard Rooley*

*Ms Pam Wain (until September 2005)*

*Mrs Teresa Schofield (from September 2005)*

## TRUST COMMITTEES

### FINANCE AND GENERAL PURPOSES

*Dr Brian Manley (Chairman)*

*Professor Patrick Dowling (until November 2005)*

*Professor Christopher Snowden (from November 2005)*

*Dr David Faux*

*Mr Philip Greenish*

*Dr Mary Harris*

*Dr Katie Perry*

*Mr Richard Rooley*

*Mrs Jennifer Woolley*

### SPECIAL DISCRETIONARY FUND

*Mr Richard Rooley (Chairman)*

*Professor Sir Tom Blundell*

*Professor Dame Julia Higgins*

### AWARDS

*Mrs Dorothy Hatfield (Chairman) (until January 2005)*

*Mr Philip Greenish (Chairman) (from January 2005)*

*Mrs Susan Bird*

*Professor Sir Tom Blundell*

*Professor Gillian Gehring*

*Professor Dame Julia Higgins*

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### ACCOUNTANTS:

*BDO Stoy Hayward*

*Connaught House*

*Alexandra Terrace*

*Guildford*

*GU1 3DA*



# QUOTES

*"I cannot thank the Trust enough for giving me my opportunity to get back into research. I absolutely love my job, even though it is always reliant on new contracts, and shudder to think what I'd be doing if I hadn't filled out that Fellowship form!"*

**Dr Lori Peacock** Daphne Jackson Fellow from 1996-1998

*"The second year of my Fellowship went by even more quickly than the first! I made significant progress in my project with things starting to really fall into place, which was very satisfying."*

**Juanita Carrey** Current Daphne Jackson Fellow

*"I just to wish to say how much I have enjoyed the last two workshops and that you have given me the best practical advice so far."*

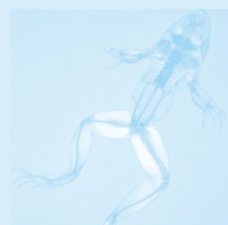
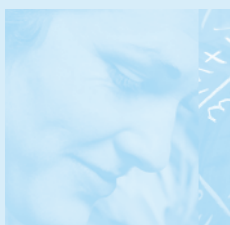
**An Industrial Associate Placement Scheme applicant**

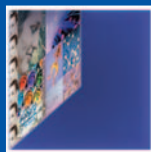
*"Returning to work part-time is wonderful and doing research part-time is possible! I am looking forward to the next year and I am excited to see what it brings."*

**Dr Pia Ostergaard** Current Daphne Jackson Fellow

*"I have been immensely proud to be associated with the Trust over many years. I was one of Daphne's first group of Trustees, as she set it up when she knew her life was coming to an end. She was a brave and great woman, whom I admired and liked immensely, and I know she would be delighted at the way her dream has grown into a substantial reality in the past decade."*

**Baroness Perry of Southwark** Trustee





### FOR MORE INFORMATION

Contact Mrs Jenny Woolley, Trust Director, or Ms Penelope Harris, tFellowship Administrator in the Daphne Jackson Trust Office on 01483 689166 or at [djmft@surrey.ac.uk](mailto:djmft@surrey.ac.uk)

### FOR MEDIA ENQUIRIES

Contact Dr Katie Perry, Press and Public Relations Manager on 01227 371186 or at [katie.perry@surrey.ac.uk](mailto:katie.perry@surrey.ac.uk)

### The Daphne Jackson Trust

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Registered Charity Number: 1009605



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This Annual Report has been produced with the generous support of the Motorola Foundation.