



The
Daphne Jackson
Trust

annual report 2010



Another year...

Returning **scientists, engineers and
technologists** back to their careers

Welcome...

...to the Daphne Jackson Trust
annual report 2010

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Chair's Introduction

2010 was another admirable year for the Trust with a total of 46 Fellows in post.

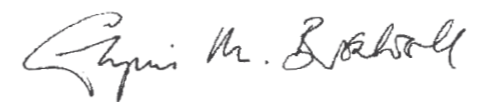
The success of the Trust is dependent upon the enthusiasm and commitment of our fellows. They are high calibre individuals with the drive and conviction to overcome obstacles on their road back to a scientific career.

Their talent and determination has ensured that almost all the fellows who completed their fellowship during the year, continue in professional work. This is a fantastic achievement in these difficult economic times.

The Daphne Jackson Trust receives sponsorship from both the public and private sector. Although 2010 was a time of austerity within the UK, with cuts in university funding, the Trust continued to obtain funding from a considerable number of sponsors who recognise its valuable work. I would therefore like to thank all the sponsors who have supported the Trust during the year. Finding additional sponsorship remains a priority for the year ahead.

We now look forward to an improved economic climate which will allow the Trust to strengthen, expand and remain the UK's leading body dedicated to returning talented scientists, engineers and technologists to careers.

Finally, I would like to thank all those who worked for and supported the Trust during 2010, especially those who did so on a voluntary basis. Their hard work and dedication is critical to the ongoing success of the Trust and is very much appreciated.



PROFESSOR GLYNIS BREAKWELL
PhD DSc LLD(Hon) CPsychol FBPsS FRSA AcSS
Chair of the Daphne Jackson Trust



The Daphne Jackson Trust in 2010

2010 proved to be another excellent year for the Daphne Jackson Trust. This year, the Trust celebrated the 25th anniversary of the start of the scheme in 1985 with a fabulous Fellows' Reunion and Luncheon.



'It was a privilege to attend'

It was 25 years ago that Daphne Jackson first put in place a scheme that she hoped would help women who had been seriously disadvantaged in their careers by taking a break for family reasons.

The Trust realises the importance of raising awareness of the issues and barriers faced by returners and engaging with as many organisations as possible. There have been opportunities throughout the year for the Chief Executive and Trust Manager to attend conferences, seminars and meetings, as both delegates and invited speakers. The Trust regularly attends postdoctoral

fellowship events at universities throughout the UK and has collaborated with many organisations on projects and events.

The Chief Executive, Mrs Jennifer Woolley, left the Trust at the end of the year to move on to new challenges, and the Trust would like to thank her for her commitment and dedication over 16 years. The Trust has grown and developed over the years and the number of fellowships awarded have increased under her leadership. Dr Katie Perry, the Trust Manager, will take over as Chief Executive next year.

Fellows Reunion and Luncheon

The undoubted highlight of the year was the 25th Anniversary Fellows Reunion and Luncheon. The event was held at St. George's House in Windsor Castle on the 10th November 2010 and the historic backdrop made it a truly memorable occasion for all.

59 fellows, past fellows, staff and friends of the Trust attended the Luncheon held in the Vicars' Hall, Windsor Castle and amongst the guests were a number of Daphne Jackson's relatives.

Richard Rooley, Trustee and Consultant Engineer, spoke about the importance of the Trust and its work. Dr Olga Gandelman and Dr Nancy Irwin, both past fellows, then talked about their work and how the fellowship had enabled them to recommence their research careers.

A networking session followed the formal Luncheon and provided an excellent opportunity for present and past fellows to meet and share experiences. Guests were then given a tour the castle before being invited to attend evensong in St George's Chapel.

The day was a fitting tribute to Daphne Jackson's vision and inspiration and all the hard work put in by those working for the Trust over the past 25 years. Each guest was presented with an engraved glass paperweight commissioned by the Trust to commemorate the 25th Anniversary of the scheme.



'Many congratulations and sincere thanks for a splendid day'



The Cheltenham Science Festival

The Cheltenham Science Festival is a five day extravaganza of entertainment for all ages.

The Daphne Jackson Trust visited the Festival again this year and sponsored the 'Gastronuts' event which was sold out to a capacity crowd of about 600. Vivienne Parry, a patron of the Trust introduced Stefan Gates and Andrea Sella who wowed

▼ Top Vivienne parry introduces 'Gastronuts'
Bottom One of the many demonstrations



the audience with marvellous food facts and experiments. The Festival takes place in early June and is an opportunity for the Trust to reach out to family groups, one of its main target audiences. In addition, many potential fellows, sponsors and collaborators spoke to staff or visited the display stand during the Festival.



▲ Trustee Dr Jan Peters visits the display stand.

Keeping an eye on air particles



Reyna made an excellent start to her career...

She gained a doctorate in meat/food technology and went on to hold research and lecturing positions at a number of universities in both the UK and Mexico.

She took a career break in 2005 but by 2008 was ready to return to work. Finding a position proved difficult as she seemed to be too highly qualified for many positions and too specialised for others. Reyna was considering retraining in a different area when she heard about the Daphne Jackson Trust.

"After I was told about the Trust, I went to the website. As I navigated through the pages of the website, my heart started beating faster and a huge smile appeared on my face. It was as if they knew about me and they were describing my situation. The DJT Fellowship and I fitted perfectly with each other. It felt just right. It was perfect for my circumstances: I was looking for a part time job so that I could be with my children after school; I wanted to start from the beginning and not just jump at a new venture when I was full of insecurities. I was going to be retrained to be able to catch up with technology."

Reyna commenced her fellowship in May 2010 at Cranfield University, in the Centre for Energy and Resource Technology. *"I am indeed enjoying the*



fellowship and everything that has come with it. From the very first phone call my self-confidence improved. I feel valued, inspired to be the person I want to be and encouraged to embrace all of the aspects of my life."

Reyna's research involves the detection and monitoring of particles suspended in the air around garden waste composting facilities. These particles, called bioaerosols, are caused by the breakdown of the green waste and can exist in large numbers around such facilities, as the green waste is mechanically shredded and turned to accelerate the composting process.

While such composting facilities reduce the amount of waste taken to landfill and so help local authorities improve their recycling rate, the bioaerosols produced have the potential to cause health problems for people living and working nearby. By studying the dispersion modelling of these bioaerosols, it will be possible to establish the distance at which they are no longer suspended in the air. Authorities in the UK will then be able to build additional composting facilities confident in their ability to protect the health of communities and fulfil their obligations to reduce landfill according to the EU directives.

Reyna says, *"It is fascinating how learning from a process that has taken place in nature from the beginning of time, in conjunction with sophisticated technology, is providing a solution for some of our man-made pollution problems."*

After completing her fellowship, Reyna aims to continue her research at Cranfield University. *"I am truly grateful to the Trust, not just for their support but also for the very efficient services they provide, from basic communication to answering all of my questions and the organisation of the very useful courses. I am also grateful to NERC for sponsoring my fellowship and to Cranfield University for their open arms welcome."*

A career in health informatics



Anne made a promising start to her research career in the field of pharmacology and biochemistry, but she soon found herself moving around the country, following her husband's employment from Glasgow to Cambridge, Edinburgh and Dundee.

The frequency of the moves made it impossible for Anne to find continuous professional employment. In an effort to update her skills and widen the range of jobs she could apply for, she completed a Diploma in Computing Science with the Open University. After becoming a parent, Anne decided to take a break from employment all together.

Anne started job hunting again in 2007 and applied for the fellowship after realizing that with a patchy CV, it was very unlikely that she would find anything other than low-skilled employment. The Daphne Jackson Fellowship offered her the chance to prove to the job market that she could still carry out scientific research. Anne was interested in health informatics, a new evolving field. The fellowship enabled her to combine her biological research knowledge with her computing skills and move into health informatics.

The project has helped me develop skills crucial to helping me find further research work

Anne is carrying out her fellowship at the Centre for Research in Informatics and Systems Pathology at the University of Abertay in Dundee. She is studying the issue of long-term patients in acute wards in NHS hospitals. Every year a very small number of mostly elderly patients occupy beds for months on end. Not only is this a poor outcome for these patients but they are occupying beds which could be used by people waiting for treatment. Anne is using statistical modelling techniques and data visualisation to investigate whether there are any factors, within these individual's records, that can be used to predict which type of patient is most likely to end up hospitalized for extended periods.

"What attracted me to this project is that it is an everyday logistical project that impacts on everyone in the community and the benefits of understanding these issues are clear," says Anne. *"This project has given me the opportunity to develop my skills in statistics which will be crucial in helping me to find further research work."*

Going forward, her department is optimistic about finding further funding for another statistical modelling project; this time looking at the growth of breast cancer tumours.

Using data from the Large Hadron Collider

Miriam started her career at the particle physics laboratory, CERN, in Geneva. After her first child was born, she worked part time for a while but later moved back to the UK due to her husband's job. She then had two more children and took a 10 year career break to care for her three children.



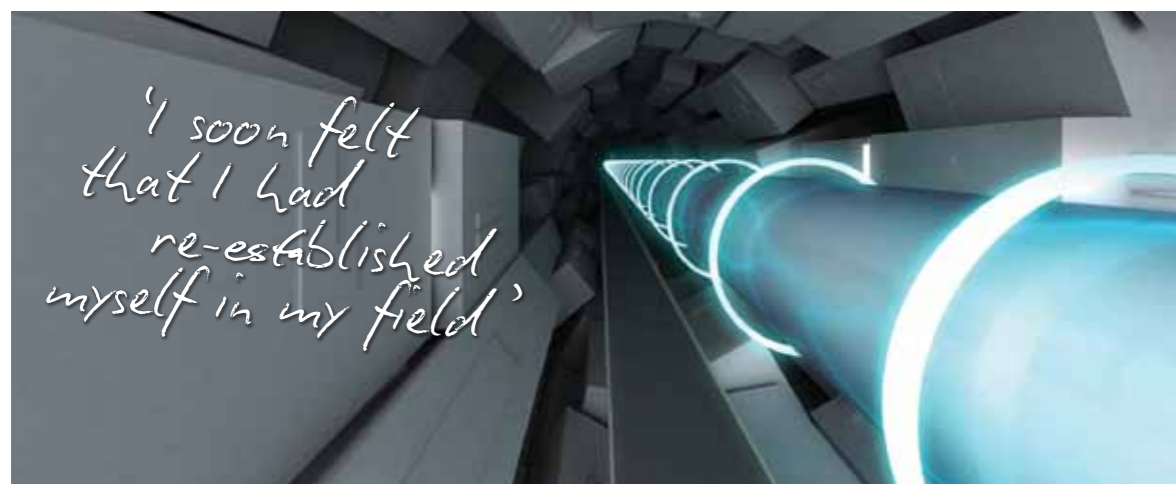
Miriam was keen to return to scientific research once her children were at school but a lot had changed in the ten years she had been away. New experiments had been built and the computer software had changed considerably. She needed to update her skills before she could apply for university positions or Research Council funding, and the Daphne Jackson scheme seemed an ideal way to achieve this.

Her fellowship took place in the School of Physics and Astronomy at the University of Birmingham. It lasted two years and she worked part-time, spreading her half-time hours over four days a

week. This enabled her to be at home with her children at the end of the school day.

"I found the fellowship very enjoyable," Miriam explained. *"My colleagues were extremely supportive and I soon felt that I had re-established myself in my field of physics research."*

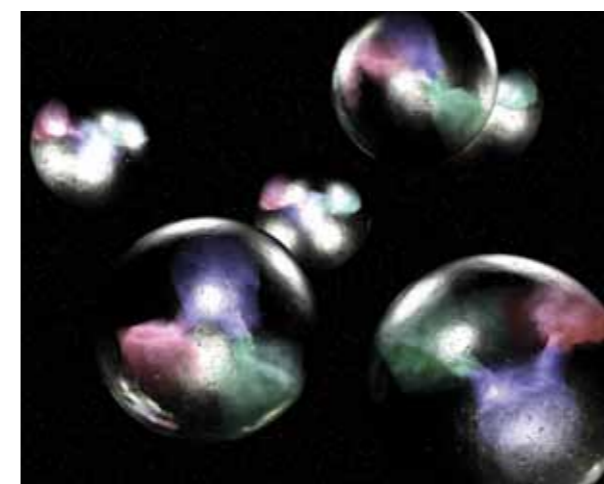
Miriam Watson is a particle physicist and her fellowship has enabled her to work with the first data from the LHC. She studied the 'Top Quark', an elementary particle and a fundamental building block of matter.



Source: CERN

"I studied the 'top quark' in the first data recorded at the LHC and contributed to measurements that were shown at international conferences. I enjoyed being a member of a large experimental collaboration and analysing data from the world's highest energy particle accelerator."

Miriam has now completed her fellowship and gone on to be awarded a Royal Society Dorothy Hodgkin Fellowship to enable her to continue this work.



Miriam was amongst the first scientists to be able to use data from the LHC...

The Large Hadron Collider (LHC) at Cern is the largest and highest-energy particle accelerator in the world. This marvel of science and engineering lies in a tunnel 27 kilometres in circumference beneath the Swiss-French border.

The LHC is used to study the smallest known particles and is expected to advance the understanding of the fundamental laws of nature. Miriam Watson, a Daphne Jackson Fellow, was amongst the first scientists to be able to use data from the LHC, for her research.

The Chemical Quality of the Clyde

Potential chemical contamination of the ground and of watercourses is one of the legacies of the UK's past industrialisation.

Contaminants can be toxic in high concentrations, and so potentially hazardous to people and the environment. It is therefore vital to understand the levels of contaminants to control their environmental impacts and protect the health of communities.



Source: River Clyde, Glasgow © BGS, NERC

The British Geological Survey (BGS) is undertaking a strategic geochemical survey of the UK, known as G-BASE. This includes assessing river quality across the UK as contaminants can wash into the water system. As part of this project, stream sediment and water samples from all tributaries draining into the River Clyde, which flows through Glasgow, as well as samples from the Clyde Estuary, were collected to assess river quality and any contamination associated with Glasgow's industrial past.

Dr Solveigh Lass-Evans is a Daphne Jackson Fellow at the British Geological Survey in Edinburgh. Her research topic is: 'Sediment, water quality and contaminant migration in the post-industrial catchment of the River Clyde'. Her project uses the Clyde tributary and estuary samples in order to identify the distribution and movement of contaminants throughout the Clyde catchment.

Using computer mapping, contaminant levels in samples can be placed in the context of the natural chemical background and Solveigh hopes to discover what influences the way in which the contaminants move through the river system. Only by fully understanding these processes can effective management of the river system be made possible for the benefit of present and future generations.

Solveigh carried out her first degree in geology at the Christian-Albrechts University in Kiel, Germany and later did a PhD at the University of Edinburgh. She took a career break in order to look after her son, who was born shortly before she completed her PhD. By the time she started her Daphne Jackson Trust Fellowship in June 2010, her break had lasted five years but she very easily resumed the routine of work, thanks to supportive colleagues and family. Her project is progressing well and she is enjoying the challenge.

'I recently attended a conference where I presented a poster', says Solveigh. 'Sitting in the audience and listening to the first talk I started to smile, aware that I am part of the scientific world again. It felt wonderful.'



Four successful training courses were held during the year

Work Life Balance Workshop

Fellows who attended the Work Life Balance Workshop on the 29th January spent an interesting day examining their busy lives and prioritising the many demands put upon them. Attendees were encouraged to discuss and find potential solutions to work life balance issues. Everyone went away with lots of useful ideas to make life a little easier.

"The course helped me to devise a strategy for dealing with emails at work. It was extremely useful"

Presentation Skills Course

The Presentation Skills Course held on the 5th October 2010 showed attendees how to design compelling presentations, check nerves and present with flair. Fellows then put their new skills to the test by presenting to other participants.

"I have learned quite a few tips on how to control my body language, design better slides and have gained more confidence"

'I believe it will help me become a better speaker and presenter'

Professional Skills Workshop

Fourteen fellows attended the Professional Skills Workshop on the 10th November 2010. The course covered effective interview technique, helpful advice on writing grant applications and provided practical suggestions on how to create that interview winning Curriculum Vitae.

Media Skills Workshop

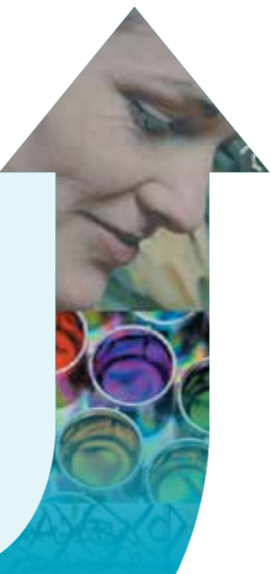
The workshop on the 12th November enabled fellows to polish up their media skills in order to deal confidently with the press. The group also discussed writing articles for non-technical audiences, and setting up blogs and podcasts.

"I enjoyed the interaction between everyone and having an insight into journalism. I have learnt the importance of clear and concise communication."

"I learnt how to communicate my research more effectively and how to make it more appealing to the public. Thanks"








Fellows in Post 2010



Fellows that commenced in 2010

	<p>NAME Dr Reyna Al-Ashaab</p> <p>STARTED FELLOWSHIP 01-May-2010</p> <p>SUBJECT Environmental Sciences</p> <p>HOST Cranfield University</p> <p>SPONSOR NERC</p>	<p>I joined the team working on dispersion modelling of bioaerosols emitted from composted green-waste. During the first months I have received the most welcoming help from all parties to bring my research skills up-to-date. The part-time attribute of the fellowship has been a blessing but also a challenge as I have been so enthusiastic and committed that I tried to fit a full time job in it! The courses run by the Trust came to the rescue, especially when dealing with the demanding work-family life balance. Thank you DJT.</p>
	<p>NAME Dr David Ayre</p> <p>STARTED FELLOWSHIP 01-Nov-2010</p> <p>SUBJECT Chemistry</p> <p>HOST Cranfield University</p> <p>SPONSOR EPSRC</p>	<p>The project for my studies is the investigation of thermosetting nanocomposites, primarily the processing route for manufacture of carbon fibre reinforced plastics (CFRPs) that are modified with carbon nanotubes. I have embarked on relevant training and have attended a meeting of the British Composites Society as two routes to re-introduce myself back into research and the composites community.</p>
	<p>NAME Dr Joanna Brzezczynska</p> <p>STARTED FELLOWSHIP 01-Oct-2010</p> <p>SUBJECT Molecular Biology</p> <p>HOST University of Edinburgh</p> <p>SPONSOR Leverhulme Trust</p>	<p>I have had an opportunity to gain a valuable experience in human embryonic stem cells research and in molecular biology as well as in regenerative medicine. I started my laboratory work from the collaboration with ophthalmologists on human cornea regeneration, which has given me a splendid opportunity to retrain and expand my skills and knowledge.</p> <p>This cooperation resulted in two papers, as a co-author, which are now at the stage of preparation for submission to journals. My confidence and abilities are expanding and my main project is progressing well. I enjoy my work and feel very excited to be able to participate in scientific research again after a 10 year career break.</p>
	<p>NAME Dr Rowena Hoare</p> <p>STARTED FELLOWSHIP 01-Feb-2010</p> <p>SUBJECT Aquaculture</p> <p>HOST University of Stirling</p> <p>SPONSOR University of Stirling</p>	<p>It is very exciting to be back working in my field of fish immunology and it is stimulating to interact with academics and students alike. The first few months were a relatively gentle transition back to research and finding my way around again. I have really enjoyed being back in the lab and continue to find learning new techniques very interesting. The research is challenging and the project continuously evolving. My main goal is to do my best with this great opportunity which has been afforded me.</p>

	<p>NAME Dr Solveigh Lass-Evans</p> <p>STARTED FELLOWSHIP 01-June-2010</p> <p>SUBJECT Geochemistry</p> <p>HOST British Geological Survey</p> <p>SPONSOR NERC</p>	<p>I started my fellowship in June 2010 and I am very happy with how things have progressed so far. I have been made to feel very welcome by the British Geological Survey and have had a lot of support and encouragement. I have been trained in new skills to enable me to adapt from isotope to environmental geochemistry. I will present interim results from my work at a conference in April 2011.</p> <p>I am extremely grateful to the Trust for giving me the opportunity to return to science and to the Natural Environment Research Council for providing the funding.</p>
	<p>NAME Dr Jenny Oliver</p> <p>STARTED FELLOWSHIP 01-Apr-2010</p> <p>SUBJECT Chemistry</p> <p>HOST University of Kent</p> <p>SPONSOR Rolls-Royce plc</p>	<p>My fellowship takes place in two schools - Biosciences and Engineering & Digital Arts. I am working on the investigation of biofilm formation utilising surface plasmon resonance. It has a unique team: a biotechnologist, a photonics expert, and me - with a PhD in chemistry. I relish interdisciplinary approaches to problem solving.</p> <p>Two years seems a very short time and part-time means it is equivalent to one year. However, after only six months I had my name on a paper, and in September 2010 I found myself on a trip to meet a potential industrial collaborator - in South Korea! There have been many wonderful experiences, great new colleagues and lots of incidental opportunities.</p>
	<p>NAME Dr Kate O'Neill</p> <p>STARTED FELLOWSHIP 01-May-2010</p> <p>SUBJECT Oncology</p> <p>HOST University of Oxford</p> <p>SPONSOR GlaxoSmithKline</p>	<p>Adjustment to the family-work balance after a 5 year career break was difficult, but with incredible support from my family and from my supervisor Dr Mike Murphy, I feel I have re-discovered the scientist in me. I am passionate about my research, which is aimed at understanding the causes of childhood cancer. We designed my project to refresh and utilise my previous laboratory skills, but also to learn the new skills of epidemiology. Some of my work is soon to be published, and I have instigated collaborations that will hopefully lead to future projects.</p>
	<p>NAME Ms Dalia Zakaria</p> <p>STARTED FELLOWSHIP 01-Sep-2010</p> <p>SUBJECT Microbiology</p> <p>HOST University of Bristol</p> <p>SPONSOR University of Bristol</p>	<p>I am honoured to have been awarded the Daphne Jackson Fellowship. It has been a turning point in my career, after a break of approximately 4 years.</p> <p>I am learning new techniques every week, fully exploiting the training hours provided in this fellowship. The many new skills that I am learning will much improve my CV and I aim to publish a good quality paper by the end of my project.</p> <p>I am so thankful to everyone who works in the Trust for their great and continuous help.</p>
	<p>NAME Dr Gerhard Ziebold</p> <p>STARTED FELLOWSHIP 25-Jan-2010</p> <p>SUBJECT Organic Chemistry</p> <p>HOST University of Leeds</p> <p>SPONSOR EPSRC</p>	<p>I am currently working at the university of Leeds in the department of chemistry. Apart from my retraining programme, I am working on a new concept regarding the origin of RNA essential for all known forms of life.</p>

Fellows in Post 2010

Fellows continuing in 2010

	<p>NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR</p>	<p>Dr Maria Alvarez 01-Mar-2008 Ecology University of Hull NERC</p>	<p>I have been a Daphne Jackson Fellow for three years and have had a very positive experience. I now feel like I have never had a career break. Getting back to work was not difficult because I was very eager to do so. Managing my time between family duties and work was another story. The Trust, besides being very supportive, have provided me with good professional and personal training. I am now continuing in a part time position in my institution and I cannot be more grateful to the Trust.</p>
	<p>NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR</p>	<p>Dr Rebecca Carter 01-Apr-2009 Molecular Biology University of Oxford MRC</p>	<p>In 2010, I have developed a high-throughput assay to screen compound libraries for drugs with radiosensitising potential. Using tumour and normal cell lines and measuring radiosensitisation in each, we are able to detect compounds that selectively radiosensitise tumour cells while having comparatively little effect on normal ones. We are now hoping to further refine this assay to 'personalise' therapies by matching drugs that can be used successfully in combination with radiotherapy to specific tumour types.</p>
	<p>NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR</p>	<p>Dr Pritilata Chivers 01-Aug-2009 Molecular Biology University of Surrey MRC</p>	<p>The Daphne Jackson Trust sponsored me to attend and present my research results at the '9th International Symposium on Selenium in Biology and Medicine, in Kyoto, Japan (May 31 - June 4, 2010). This boosted my confidence and helped me to interact with experts in the field. I also attended the Fellows' Reunion held in November 2010 where I met and shared experiences with many past and present fellows. I am grateful to have had the fellowship to retrain and enable me to pursue my dream of continuing a career in science.</p>
	<p>NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR</p>	<p>Dr Stefanie Freitag-Pohl 01-Jun-2009 Biochemistry University of Durham University of Durham and BBSRC</p>	<p>2010 was my second year of the Daphne Jackson Fellowship. I am working at Durham University on the structure function relationship of plant glutathione transferases and their binding partners. One of the challenges in my project is the new technologies in the field. There were major changes and improvements during the years I stayed at home with my family. I very much enjoy being part of the academic community at Durham University. In addition I have co-authored a review article on plant glutathione transferases.</p>
	<p>NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR</p>	<p>Mrs Sarah Gooding 06-Apr-2009 Microbiology University of Wales, Swansea BBSRC</p>	<p>I have had an incredible year during 2010 as a Daphne Jackson Fellow including my first visits to Italy and USA. The personal development training through DJT and Swansea University has been diverse and valuable. The flexibility of working part-time and the positive attitude of my supervisor to Athena Swan principles made it possible to support my parents through my mother's recent illness.</p> <p>Joining with other DJT Fellows past and present at Windsor Castle to celebrate 25 Years of the scheme was a fantastic experience and it is a real privilege to have had the opportunity to benefit from the vision of Daphne Jackson and the enthusiasm and encouragement of my coordinator and all the Trust Team.</p>
	<p>NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR</p>	<p>Mrs Caroline Graham 01-Dec-2009 Mechanical Engineering Heriot-Watt University Royal Academy of Engineering</p>	<p>The Daphne Jackson Fellowship enabled me to put together and access a high level, high quality and bespoke package of retraining. Although the retraining element did dominate during my first year, I was allowed the time and space I needed to develop my understanding of new areas. I am now reaping the benefits of this and I have begun to make pertinent contributions to the project.</p> <p>I have enjoyed working in a technical environment and networking with other professionals again and the flexibility of the fellowship, combined with appropriate training and careful planning, has worked very well and I have achieved a good work-life balance.</p>

	<p>NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR</p>	<p>Dr Liliana Greger 01-Oct-2008 Bioinformatics University of Cambridge MRC</p>	<p>During this year of my Daphne Jackson Fellowship, I attended various re-training courses provided by Cambridge University and the Daphne Jackson Trust. I fully enjoyed working on my project at Cambridge University and having helpful discussions with my colleagues. In April, I had a baby girl and went on maternity leave. During that time, I found a suitable job, which I will start very soon. I am very grateful to the Daphne Jackson Trust for giving me the opportunity to return to science and balance the job I love and my family.</p>
	<p>NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR</p>	<p>Dr Fiona Grennan Jones 05-Jan-2009 Biomedical Sciences Cardiff University University of Cardiff and Charles Wolfson Trust</p>	<p>Returning to academia and to my career as a research scientist was a tremendous milestone for me and has proved an exciting challenge, both personally and professionally.</p> <p>My fellowship has been based in the Centre for Endocrine and Diabetes Sciences in Cardiff University's School of Medicine. The funding on a part-time basis over two years has given me flexibility to fulfil my family responsibilities and balance my work and home life. I am profoundly grateful for the support of the Daphne Jackson Trust, The Charles Wolfson Charitable Trust and Cardiff University and for the opportunity to renew my career at a leading academic institution.</p>
	<p>NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR</p>	<p>Dr Barbara Keating 05-Jan-2009 Environmental Sciences Edinburgh Napier University Edinburgh Napier University</p>	<p>2010 encompassed the second year of my Daphne Jackson Fellowship. The Centre for Timber Engineering became the Forest Products Research Institute and I continued to work within the Centre for Wood Science and Technology. I felt increasingly settled as part of the research team, making a valued contribution to the development of new, sustainable composite materials. I had the opportunity to attend the COST E53 conference in Edinburgh and benefited from the networking opportunity it presented. As the year drew to a close, I was very pleased to secure a further six months as a research fellow. I am very grateful to the Daphne Jackson Trust and Edinburgh Napier University for the opportunity I have had.</p>
	<p>NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR</p>	<p>Dr Janice Lees 07-Sep-2009 Molecular Biology Wessex Regional Genetics Laboratory MRC</p>	<p>I began my fellowship in September 2009, following a 12 year career break. Having been out of the profession for a prolonged period, I recognised the need to update my knowledge and skills in order to compete effectively for employment and/or funding. The Daphne Jackson Trust has provided me with a structured route back into academic research, by virtue of the emphasis on re-training in conjunction with applied research. The fellowship has proved to be both challenging and rewarding; my confidence and enthusiasm have grown and I hope to continue working in this area of molecular genetics. I am extremely grateful to the Daphne Jackson Trust, my sponsors and work colleagues for affording me this opportunity to return to academic life.</p>
	<p>NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR</p>	<p>Dr Judit Molnar 01-Sep-2008 Biochemistry Pfizer Ltd Pfizer Ltd</p>	<p>I spent 2010 at the National Heart and Lung Institute at Imperial College. The placement was part of an academic-industrial collaboration to develop novel therapeutic approaches for lung disease. I have had to build and foster relationships with key-opinion leaders to design and run preclinical studies in the respiratory/inflammation field, liaising with multidisciplinary and technology teams across Pfizer to coordinate and plan biology activities within the project. I completed training for my Home Office Personal License to carry out regulated procedures. I also participated in workshops to help with career planning, CV writing and interviewing skills.</p>
	<p>NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR</p>	<p>Dr Kimberley Moravec 09-Jun-2009 Computer Science University College London Royal Academy of Engineering</p>	<p>I expected the fellowship to take place three miles from my house, but when my fellowship was approved, the research group had moved to University College London. Although the commute is long, being immersed in UCL's environment has been a particularly interesting and valuable experience.</p>

Fellows in Post 2010

Fellows continuing in 2010 *Continued...*

	<p>NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR</p>	<p>Dr Morag Prach 04-May-2009 Immunology Edinburgh Napier University Edinburgh Napier University</p>	<p>This past year as a Daphne Jackson Fellow has been both exciting and, at times, thrilling. The opportunity to "use my brain again" has given me back a sense of self. It has also been challenging. I am privileged to be training in a world renowned lab and I feel I have had a promising restart to my career following a break of almost eight years from lab-based research. I am very grateful to the Daphne Jackson Fellowship Trust and to Edinburgh Napier University for their support in this rare and valuable experience.</p>
	<p>NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR</p>	<p>Dr Christine Rogers 06-Oct-2008 Environmental Sciences University of Leeds NERC</p>	<p>I started an investigation into the merits of a novel material for the remediation of highly alkaline ground water leaching from a chemical waste site containing chromium ore processing residue. After a few months work in the laboratory I had collected enough data to make an assessment and to present a poster at the annual meeting of international geochemists, held in July at Knoxville, Tennessee. This was followed by a talk in the autumn to the committee of the Water Science Forum at the Royal Society of Chemistry, Burlington House, London, in recognition of the bursary that they had kindly bestowed on me for my bench fees.</p>
	<p>NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR</p>	<p>Dr Anne Savage 01-Sep-2009 Computing University of Abertay (Dundee) EPSRC</p>	<p>My fellowship at the University of Abertay, Dundee involves developing a predictive statistical model for complex, high bed occupancy patients within the NHS. Statistical modelling is completely different to my original research field in biochemistry but upheavals during my early career prompted me to develop a new area of expertise and prepare for new challenges.</p> <p>My statistical knowledge is growing steadily and, thanks to the flexibility of the fellowship, I can retrain during my working day without encroaching on family life. This fellowship has been invaluable and for the first time in many years I am optimistic about my career.</p>
	<p>NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR</p>	<p>Dr Xiaojun Shi 01-Aug-2009 Biomedical Sciences University of Kent University of Kent</p>	<p>I am in the second year of my fellowship. In addition to continuing with my research, I was invited to teach microbiology practicals for MPharm students by my employer. I enjoyed my teaching and appreciate the opportunity the school gave me to develop my professional career in this way. This was made possible because I am a Daphne Jackson Fellow.</p>
	<p>NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR</p>	<p>Dr Farah Siddiqi 01-Mar-2009 Biomedical Sciences University of Cambridge MRC</p>	<p>The fellowship has helped me to change my field from plant genetics to medical genetics. I have learnt new techniques and have gained self-confidence. I went to an international conference of Neurodegeneration and Proteolysis at Madrid in April 2010, which has given me an insight into the subject and an opportunity to meet the people in my field. I have also contributed to a review article published in Physiological Review and am a second co-author in an article published in the Nature Cell Biology Journal.</p>
	<p>NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR</p>	<p>Dr Judith Slaa 01-Aug-2009 Ecological Entomology University of Leeds NERC</p>	<p>Starting my fellowship in 2009, after a 6 year career break and several support jobs, felt like coming home again. Social insects have always fascinated me, and to be able to unravel a little bit more of their social organisation was - and still is - very exciting.</p> <p>During 2010 I learned new important techniques, improved my statistics skills, and I am currently writing my first paper. I am looking forward to the future and I am immensely grateful to the Daphne Jackson Trust for providing me with the opportunity to return to science and expand my research skills.</p>

Fellows completed during 2010

	<p>NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR</p>	<p>Dr Uliana Bashtanova 01-Jan-2008 Plant Biology University of Sussex Leverhulme Trust and University of Sussex</p>	<p>The Daphne Jackson Fellowship opened new horizons for me. It was an opportunity to learn something at the cutting edge of science, such as proteomics. I completed a comprehensive training course on Ettan DIGE held at the University of Sussex by Dr. Nick Harpham. It is a new technique, which allows differences to be found in the concentrations of proteins using fluorescent dyes. The fellowship has enabled me to prepare two pioneering papers, one on physiology and one on proteomics of salt tolerance that will return me to the science-related job market.</p>
	<p>NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR</p>	<p>Dr Zsuzsanna Bodi 01-Sep-2008 Plant Science University of Nottingham BBSRC</p>	<p>2010 was the second year of my fellowship and a very profitable one, as I had a paper published in the Journal Nucleic Acid Research, and another one submitted. I still had the excitement of being able to work on my own project as well as being able to write papers and apply for grants. I have been awarded a Wellcome Trust VIP Award and I am currently applying for further funding which will enable me to carry on with the very promising research I started as a Daphne Jackson Fellow.</p>
	<p>NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR</p>	<p>Dr Vanessa Cheel 01-Sep-2008 Materials Science University of Oxford EPSRC</p>	<p>My Daphne Jackson Fellowship finished at the end of August 2010. I was able to use it to update my materials science degrees and add postgraduate research projects using my original skills and the new nanotechnology knowledge I had gained.</p> <p>One of these projects involved using a new technique in particle characterisation with an instrument called a qNano. When the company, Izon Science Ltd, expanded and started a northern European branch at the end of 2010, I was ideally placed and now work part time as their technical support specialist (or Jill of all trades). It is great fun being in a 'new' technology and developing business.</p>
	<p>NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR</p>	<p>Dr Anjana Halder 14-Jul-2008 Biochemistry University of Southampton BBSRC</p>	<p>My project required application of techniques, molecular biological and others, most of which I was not familiar with. It was a big challenge for me and hard work learning new techniques and complicated computer programs but I enjoyed it immensely. The whole atmosphere of gathering knowledge, talking to knowledgeable people, attending lectures, discussing and solving work-related problems-all contributed to making my return to work so much worthwhile.</p>
	<p>NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR</p>	<p>Dr Kenneth Hamilton 01-Jul-2008 Chemistry University of East Anglia EPSRC</p>	<p>Returning to research in the laboratory at the School of Chemistry at UEA after a break of five years was less of a problem than I expected. The past two years have been an overwhelmingly positive experience. At times it has been problematic motivating myself, when reactions failed. However overcoming problems is one of the most interesting aspects of research. The other members of staff of the School of Chemistry are an invaluable source of helpful advice.</p> <p>The research group has grown considerably since I joined it in 2008, and we now have two PhD students working on the same research field. I am continuing my research in this field, supported by an EPSRC research grant.</p>
	<p>NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR</p>	<p>Ms Nancy Irwin 04-Feb-2008 Genetics University of York NERC</p>	<p>Retraining after an extended career break, I have been able to develop both myself and several projects at the University of York. After finishing my Daphne Jackson Fellowship I was contracted to work on a Knowledge Transfer Partnership between the University of York and the Yorkshire Wildlife Trust. I am also working in partnership with a research NGO in Papua New Guinea, to determine which mammalian species act as reservoirs of important emerging diseases.</p>

Fellows in Post 2010

Fellows completed during 2010

	NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR	Dr Ruth Le Sueur 09-Jan-2008 Chemistry University of Durham Rolls-Royce plc	<p>I have found this Daphne Jackson Fellowship to be an immensely rewarding and a life-changing experience. Without it I would not have been able to return to academia, as I can only work part-time because of family commitments. There are very few opportunities to work part-time, and even fewer that are available to people who have had a career break, but with this fellowship under my belt, I have been lucky enough to obtain further part-time funding for the next 5 years. I am intensely grateful to Rolls-Royce plc for funding my fellowship.</p>
	NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR	Mrs Alma Lopez-Tolman 28-Apr-2008 Biochemistry University of Reading BBSRC	<p>I have now completed the fellowship and because I had not completed the project, the department has allowed me to stay in the lab and finish the work. I have also received an offer to work on another short project, within the department, which will enable me to acquire essential molecular biology techniques. I am very grateful for the opportunity the fellowship has offered me.</p>
	NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR	Dr Nerissa Marziano 05-Feb-2008 Biology University of Kent BBSRC	<p>Nerissa successfully completed her fellowship in February 2010 and is working part time at the University of Sussex.</p>
	NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR	Dr Joanne Mathias 01-Oct-2008 Electronics University of Kent University of Kent	<p>Returning to research felt like a home coming. I hadn't realised just how much I had missed the technical aspect of research work and I have thoroughly enjoyed the academic challenges posed by the project that I have been engaged in. I have been involved in a research project developing an automated system to assess children with Developmental Co-ordination Disorder (DCD). The research work has gone very well and we are currently preparing a number of papers for publication. My fellowship has really helped me to understand what my strengths and skills are and which areas of work I get most enjoyment from.</p>
	NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR	Dr Medha Pandit 07-Jan-2008 Electronical Engineering University of Surrey EPSRC	<p>The research work carried out under Daphne Jackson Fellowship was focused on speaker verification. During this period, I worked on studying recent trends in speaker verification, implemented and tested the verification system.</p> <p>I am extremely thankful to the Daphne Jackson Trust and CVSSP for providing me with the and also to EPSRC and CVSSP for providing the financial support.</p>
	NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR	Dr Karin Regnström 01-Sep-2008 Biochemistry Pfizer Limited Pfizer Limited	<p>As an industrial fellow sponsored by Pfizer, I had the opportunity to extend my knowledge and training in immune response receptors to membrane proteins, GPCRs. It was this training through the DJT Fellowship that later gained me a senior position at an Irish Pharmaceutical Company, Elan Inc. where I now work on drug development for Alzheimer's and Parkinson Disease by screening thousands of compounds using SPR.</p>
	NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR	Dr Harith Saleh 07-Jan-2008 Physics University College London University College London	<p>I feel that the Daphne Jackson Fellowship has offered me a unique opportunity by giving me the chance to attend one of the most advanced MSc modules in nanotechnology and to work very closely with members of London Centre for Nanotechnology. This has helped me to move into a new field by providing me with a fundamental understanding and practical experience of developing nanotechnology and nanoelectronic devices, and hence expanding my scientific research in a new direction.</p>

	NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR	Dr Changjing Shang 01-Sep-2008 Computing Aberystwyth University Royal Academy of Engineering	<p>Overall, my project went very well. No major difficulties were encountered, thanks to the support and encouragement that I was offered. Looking back, balancing my research and home life is perhaps the most significant challenge that persisted throughout the fellowship period but I feel I was able to trade off between these two demands satisfactorily.</p>
	NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR	Dr Juliane Struve 15-Jun-2008 Environmental Sciences Imperial College London Imperial College London	<p>2010 was a busy year, with my first highlight being a three-day international workshop on "Spatial models in ecology and conservation" at Imperial College, which I organised. The workshop was a joint effort between terrestrial and fisheries scientists from Europe, Canada and the USA. My second highlight in 2010 was the conference "Mathematical Models in Population dynamics and ecology" at the University of Leicester.</p> <p>The Daphne Jackson Trust has been an incredible springboard for me and I hope to stay in contact.</p>
	NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR	Mrs Raffaella Tate-Zaccarini 21-Jan-2008 Biomedical Sciences University College London University College London	<p>I am very grateful for the Daphne Jackson Trust to have allowed me to return to science with part-time flexibility. This flexibility and the constant help received from my coordinator helped me to reflect in my last year on my future career. I finally decided to find a career in the charity sector trying to support the work of a charity dealing with health issues, with my scientific and medical knowledge. In this view, the fellowship was able to support me in attending a course on charity careers.</p> <p>I am extremely excited for this new career which will combine the necessity for a part time job, with the amazing rewarding feeling of helping people and the possibility of still applying my scientific knowledge.</p>
	NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR	Dr Svetlana Tishkovskaya 01-May-2008 Statistics University of Sheffield NERC	<p>I completed my Daphne Jackson Fellowship in April 2010. I was working on a project in the field of statistical ecology, which is an actively developing research area. The research was focused on developing statistical methods for modelling and analysing animal movements using radio-tracking data.</p> <p>The fellowship has been crucial for me in two inter-linked respects: it has underpinned my career after a long term break and it has enabled me to enter into the new research field of ecological statistics.</p> <p>The fellowship assisted my career development at a pivotal moment and the experience gained has been very informative and rewarding.</p>
	NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR	Dr Nayna Vyas-Patel 01-May-2008 Biomedical Sciences Imperial College at Silwood Pk Imperial College London	<p>The final year of my fellowship was one of many challenges, there were experiments that needed fine tuning and repeating, papers that were constantly revised and are still in the revision and approval stages and the formation of new ideas that could be put forward to funding bodies. If it is true that we learn most from our challenges rather than our successes, then the Daphne Jackson Fellowship has certainly offered me that opportunity.</p>
	NAME STARTED FELLOWSHIP SUBJECT HOST SPONSOR	Dr Miriam Watson 08-Sep-2008 Particle Physics University of Birmingham STFC	<p>As a member of one of the experiments at the Large Hadron Collider (LHC) in Geneva, I was fortunate to experience the excitement when the LHC started successfully after years of preparation, and to be involved in the analysis of the first data during 2010. My retraining throughout the fellowship allowed me to contribute to measurements which have been shown at international conferences and published in refereed journals. I was awarded a Royal Society Dorothy Hodgkin Fellowship, which I started in October 2010. After a ten year career break, I would not have had the confidence or experience to be in my current position without my Daphne Jackson Fellowship.</p>

9 returners commenced their fellowship during the year, 18 fellows continued in post while 19 completed their fellowship. **A total of 46 fellows in post during the year.**

Fellows who started their fellowship during 2010

NAME	START DATE	END DATE	SUBJECT	HOST	SPONSOR
Dr Reyna Al-Ashaab	01/05/2010	30/04/2012	Environmental Sciences	Cranfield University	NERC
Dr David Ayre	01/11/2010	31/10/2012	Chemistry	Cranfield University	EPSRC
Dr Joanna Brzeszczynska	01/10/2010	30/09/2012	Molecular Biology	University of Edinburgh	Leverhulme Trust
Dr Rowena Hoare	01/02/2010	31/01/2012	Aquaculture	University of Stirling	University of Stirling
Dr Solveigh Lass-Evans	01/06/2010	31/05/2012	Geochemistry	British Geological Survey	NERC
Dr Jenny Oliver	01/04/2010	31/03/2012	Chemistry	University of Kent	Rolls-Royce plc
Dr Kate O'Neill	01/05/2010	30/04/2012	Oncology	University of Oxford	GlaxoSmithKline
Ms Dalia Zakaria	01/09/2010	31/08/2012	Microbiology	University of Bristol	University of Bristol
Dr Gerhard Ziebold	25/01/2010	24/01/2012	Organic Chemistry	University of Leeds	EPSRC

Ongoing fellows in 2010

NAME	START DATE	END DATE	SUBJECT	HOST	SPONSOR
Dr Maria Alvarez	01/03/2008	28/02/2011	Ecology	University of Hull	NERC
Dr Rebecca Carter	01/04/2009	31/03/2011	Molecular Biology	University of Oxford	MRC
Dr Pritilata Chivers	01/08/2009	31/07/2011	Molecular Biology	University of Surrey	MRC
Dr Stefanie Freitag-Pohl	01/06/2009	31/05/2011	Biochemistry	University of Durham	University of Durham and BBSRC
Mrs Sarah Gooding	06/04/2009	05/04/2011	Microbiology	University of Wales, Swansea	BBSRC
Mrs Caroline Graham	01/12/2009	30/11/2011	Mechanical Engineering	Heriot-Watt University	Royal Academy of Engineering
Dr Liliana Greger	01/10/2008	01/10/2011	Bioinformatics	University of Cambridge	MRC
Dr Fiona Grennan Jones	05/01/2009	04/01/2011	Biomedical Sciences	Cardiff University	University of Cardiff and Charles Wolfson Trust
Dr Barbara Keating	05/01/2009	04/01/2011	Environmental Sciences	Edinburgh Napier University	Edinburgh Napier University
Dr Janice Lees	07/09/2009	06/09/2011	Molecular Biology	Wessex Regional Genetics Laboratory	MRC
Dr Judit Molnar	01/09/2008	28/02/2011	Biochemistry	Pfizer Ltd	Pfizer Ltd
Dr Kimberley Moravec	09/06/2009	08/06/2011	Computer Science	University College London	Royal Academy of Engineering
Dr Morag Prach	04/05/2009	03/05/2011	Immunology	Edinburgh Napier University	Edinburgh Napier University
Dr Christine Rogers	06/10/2008	05/10/2011	Environmental Sciences	University of Leeds	NERC
Dr Anne Savage	01/09/2009	31/08/2011	Computing	University of Abertay (Dundee)	EPSRC
Dr Xiaoju Shi	01/08/2009	31/07/2011	Biomedical Sciences	University of Kent	University of Kent
Dr Farah Siddiqi	01/03/2009	28/02/2011	Biomedical Sciences	University of Cambridge	MRC
Dr Judith Slaa	01/08/2009	31/07/2011	Ecological Entomology	University of Leeds	NERC

Fellows who finished their fellowship during 2010

NAME	START DATE	END DATE	SUBJECT	HOST	SPONSOR
Dr Uliana Bashtanova	01/01/2008	30/06/2010	Plant Biology	University of Sussex	University of Sussex and Leverhulme Trust
Dr Zsuzanna Bodi	01/09/2008	31/08/2010	Plant Science	University of Nottingham	BBSRC
Dr Vanessa Cheel	01/09/2008	31/08/2010	Materials Science	University of Oxford	EPSRC
Dr Anjana Halder	14/07/2008	13/07/2010	Biochemistry	University of Southampton	BBSRC
Dr Kenneth Hamilton	01/07/2008	30/06/2010	Chemistry	University of East Anglia	EPSRC
Ms Nancy Irwin	04/02/2008	15/09/2010	Genetics	University of York	NERC
Dr Ruth Le Sueur	09/01/2008	08/01/2010	Chemistry	University of Durham	Rolls-Royce plc
Mrs Alma Lopez-Tolman	28/04/2008	27/04/2010	Biochemistry	University of Reading	BBSRC
Dr Nerissa Marziano	05/02/2008	04/02/2010	Biology	University of Kent	BBSRC
Dr Joanne Mathias	01/10/2008	30/09/2010	Electronics	University of Kent	University of Kent
Dr Medha Pandit	07/01/2008	06/03/2010	Electrical Engineering	University of Surrey	EPSRC
Dr Karin Regnström	01/09/2008	31/08/2010	Biochemistry	Pfizer Ltd	Pfizer Ltd
Dr Harith Saleh	07/01/2008	06/01/2010	Physics	University College London	University College London
Dr Changjing Shang	01/09/2008	31/08/2010	Computing	Aberystwyth University	Royal Academy of Engineering
Dr Juliane Struve	15/06/2008	14/06/2010	Environmental Sciences	Imperial College	Imperial College London
Mrs Raffaella Tate-Zaccarini	21/01/2008	30/03/2010	Biomedical Sciences	University College London	University College London
Dr Svetlana Tishkovskaya	01/05/2008	30/04/2010	Statistics	University of Sheffield	NERC
Dr Nayna Vyas-Patel	01/05/2008	30/04/2010	Biomedical Sciences	Imperial College at Silwood Pk	Imperial College London
Dr Miriam Watson	08/09/2008	07/09/2010	Particle Physics	University of Birmingham	STFC

The Daphne Jackson Trust has worked with many organisations to enable it to continue its valuable work.

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Charities

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Committees and Administration 2010

What our fellows say...

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"I am indeed enjoying the fellowship and everything that has come with it. From the very first phone call my self-confidence improved. I feel valued, inspired to be the person I want to be and encouraged to embrace all of the aspects of my life."

'It is very exciting to be back working in my field and it is stimulating to interact with academics and students alike'

"I recently attended a conference where I presented a poster: sitting in the audience and listening to the first talk I started to smile, aware that I am part of the scientific world again. It felt wonderful."

'I have had an incredible year as a Daphne Jackson Fellow'

"Returning to research felt like a home coming. I hadn't realised just how much I had missed the technical aspect of research work."

'I have found this Daphne Jackson Fellowship to be an immensely rewarding and a life changing experience'

For more information

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email **djmft@surrey.ac.uk**



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**The
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