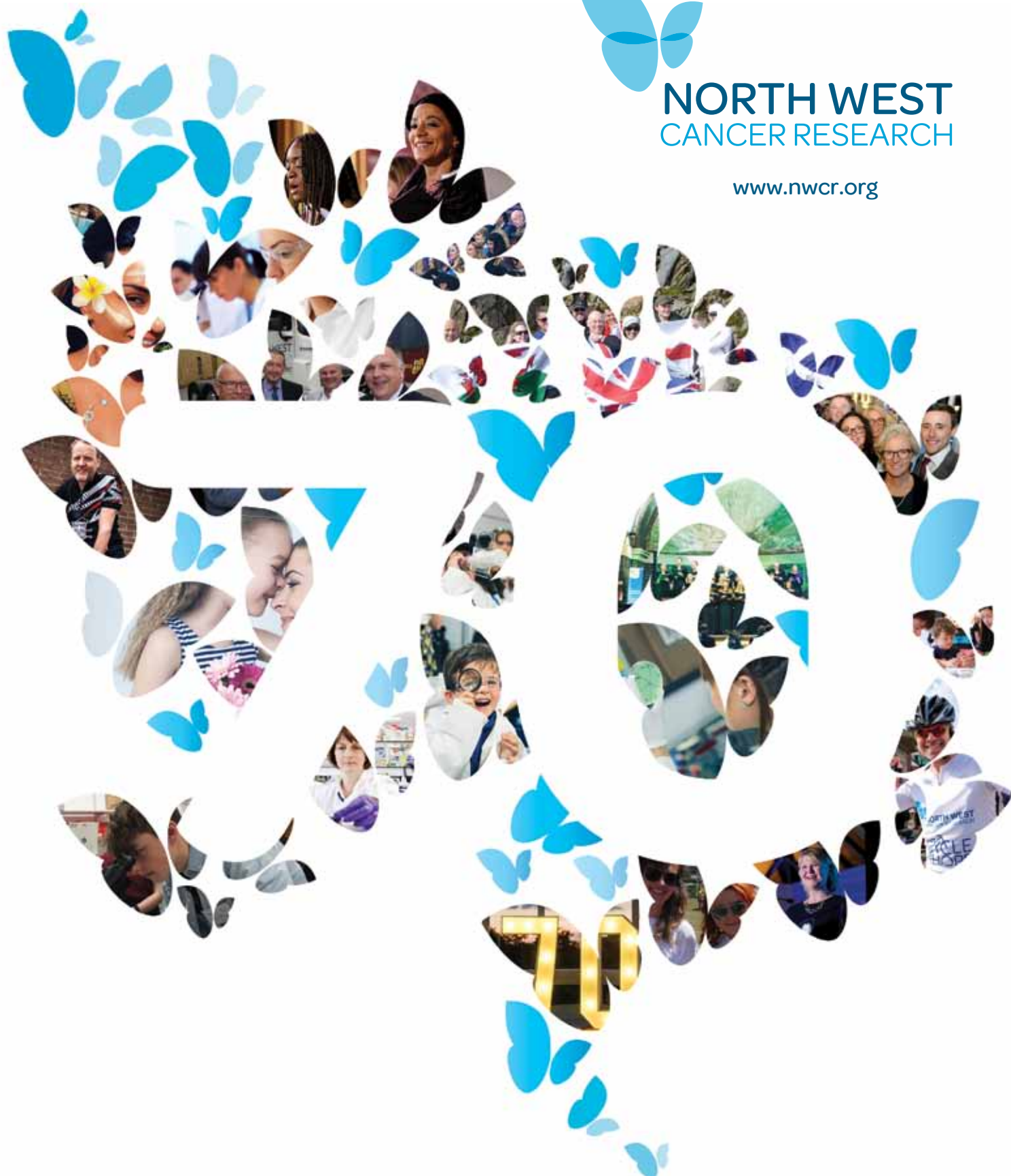




NORTH WEST
CANCER RESEARCH

www.nwcr.org



70 YEARS OF RESEARCH, RESULTS AND PROGRESS
2017-2018 ANNUAL REPORT

70 YEARS OF RESEARCH, RESULTS AND PROGRESS

In 2018 we celebrated our 70th anniversary. Represented on the cover by 70 butterflies, the NWCR symbol of hope and rejuvenation.



Research today
saves lives tomorrow



NORTH WEST CANCER RESEARCH

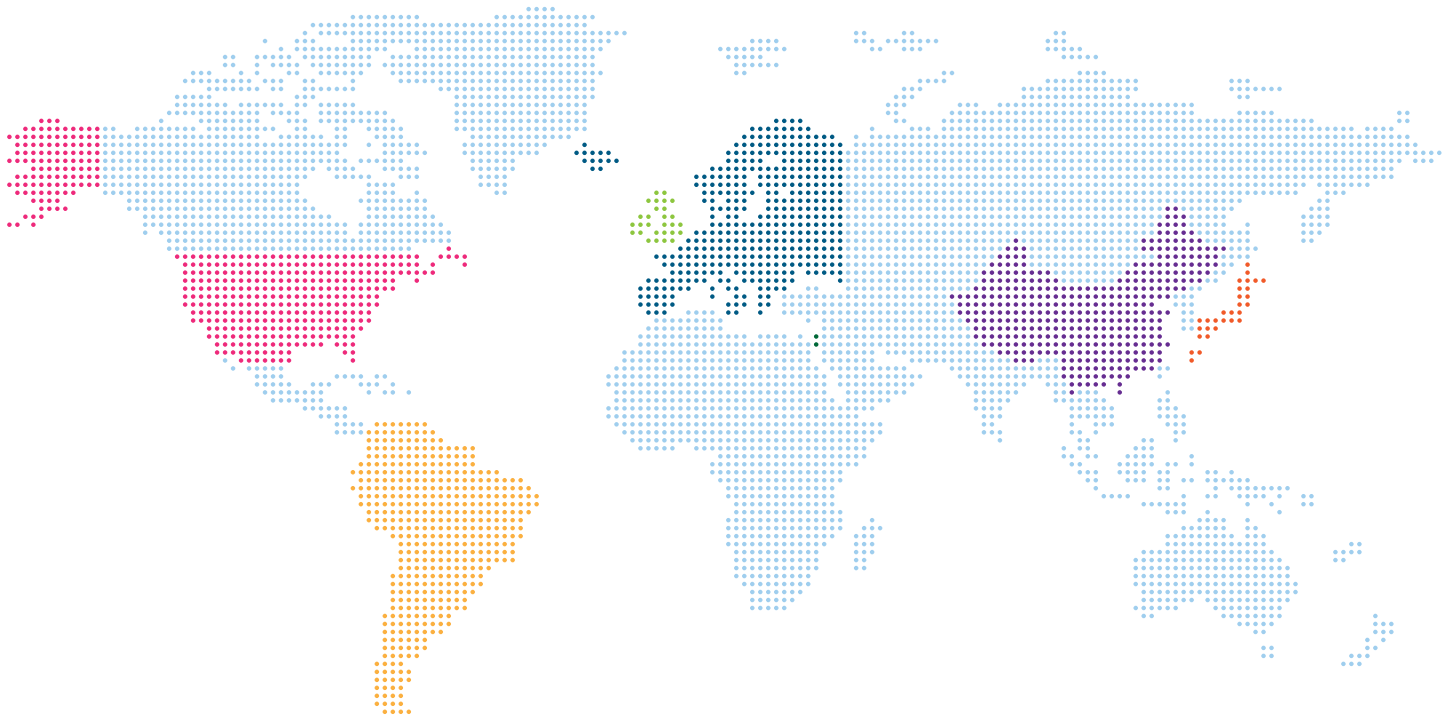


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NORTH WEST CANCER RESEARCH



Collaborations in 19 countries around the world

UK

Oxford
Manchester
London
Cambridge
Warwick
Birmingham
Glasgow
Southampton
Brighton

Europe

Sweden
Umea
Denmark
Copenhagen
Italy

Turin
Ireland
Dublin
France
Bordeaux
Paris
Netherlands
Amsterdam
Spain
Barcelona
Finland
Tampere
Germany
Berlin
Hungary
Szeged
Sweden

Umea
Norway
Trondheim

USA

Massachusetts
Florida
North Carolina
Texas
Arizona
Virginia
California
South Carolina
Alabama
Nebraska
New York

China

Hefei
Dalian
Chengdu

Japan

Niigata

Israel

Tel Aviv

South America

Brazil
Rio de Janeiro
Argentina
Buenos Aires

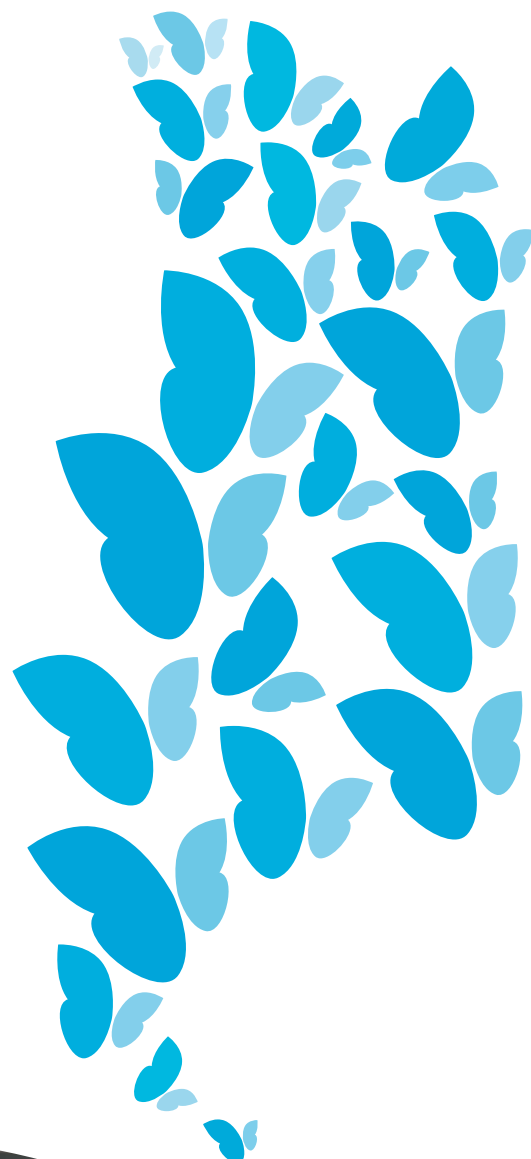
WHO WE ARE

We are the leading independent cancer research charity for the North West of England and North Wales, tackling the toughest forms of cancer in the region.

We are striving to improve awareness, diagnosis and the treatment of cancer, prioritising the forms which hit our region the hardest. We are determined to find cures and stop cancer sooner.

Since 2000, we have funded over £40,000,000 of world-class research and supported hundreds of local clinicians, doctors and students in the fields of basic, translational and clinical research. Our researchers have collaborated across the globe in 19 different countries, spreading their knowledge world-wide and raising the profile of our region.

Our promise is simple. We only support the best local research, to stop cancer sooner.





NORTH WEST CANCER RESEARCH

CHAIRMAN'S REPORT



Nigel Lanceley, Chairman

In previous statements, I have talked much about change. During the year under review, those changes were being embedded throughout the organisation. The new staff structure and the other reorganisations are set in place and the year has been a period of adjustment to the new environment. We are in a very different place compared to a number of years ago and I am pleased to report that the Charity now has a clarity of purpose and a clear strategic direction. I would like to thank my fellow Trustees for their advice and support during this period of change.

Of course, it is the staff of the Charity who have undergone much of the change and who have been in the forefront of the move to create an organisation which is fit for the future. I am full of admiration for all the staff and would like to thank them all for their excellent contribution. We now have a first class staff, very well led by our Chief Executive, Alastair Richards.

BBC's Roger Phillips and Nigel Lanceley, present the Chairman's Special Award to Olive Cutts, Southport Committee.

Although many things have changed, there are a number of areas which have remained the same. The support and contribution of the local branches has continued to be most successful and I would like to thank every one of these Committees for their magnificent work. Not only are they fundraisers but they are also the face of the Charity in their local communities. We simply could not do without them.

The second area which has not changed is the rigour of our scientific approval process. We continue to approve only the very best world-class research into cancer and for this reason, I can state publicly that we spend our hard-earned income both cautiously and sensibly. We continually review our spending and recently have been looking at the early detection of cancer to supplement research around cancer inequalities.

We receive great support from the scientific community



and our links with universities continue to grow and flourish. We already fund research at Liverpool, Bangor and Lancaster Universities but we are looking to support other universities in our area, as long as they can meet our high scientific standards.

At the time of writing this statement, it seems that the country is facing a number of uncertainties and I fear that this will continue for some time. Despite the problems of the wider world, we are determined in our objective of stopping cancer sooner.

The forthcoming year will be a challenge but the Charity is in good order. We have come through the changes and are now able to concentrate on our mission of tackling the toughest cancers that affect us in North West England and North Wales.

This is my clear message for the future.

We continue to approve only the very best world-class research.



NORTH WEST CANCER RESEARCH

CEO'S REPORT

Alastair Richards, CEO



**Welcome to the Annual
review for 2017/18.**

It seems that every Annual Review starts by talking about how much change there has been and how the progress is being made in a challenging environment – but these things are and remain true for North West Cancer Research.

Last year I wrote about the new strategy that the Charity had put in place and the plans which we had for growth and development. It has been encouraging to see these things start to take effect as well as the new developments which so many of our supporters have taken part in.

In pure pounds invested, we have funded less work this year but the new projects are

to a standard which is globally excellent and they will drive forward progress in significant types of cancer.

We have opened up new funding streams, with our new short-impact projects being an exciting development. These will cost less than £100,000 each, be complete in less than one year and will need to demonstrate how they will impact the lives of people and patients in our area. They will be a visible reminder of how NWCR is working for the health of local people.

This year we launched a new skin cancer awareness campaign which took place over the summer. The weather was very

much on our side and the long hot summer meant that people were happy to engage on this issue. Through a series of events, radio interviews and some TV coverage, we engaged directly with 10,000 people in our region, telling them about the risks of getting sunburnt. The media welcomed the story and this ensured that we got coverage which could be seen by over 130 million people. This was a great way to spread health messages and promote NWCR as an important funder of cancer research work. We look forward to doing more work of this kind to get our important messages out. The campaign has been short-listed for a number of awards and we currently await the results.

Our message was further spread by the inaugural Cycle of Hope, in which a group of cyclists covered 300 miles from Lancaster to Liverpool, on to Bangor and into Ireland. We are so grateful for the work of the team behind this event and to those who took part. This will be repeated over a slightly different route in 2019 and we look forward to welcoming new participants to the event.

A very welcome addition to the NWCR Team this year has been the new Community



Fundraisers who have joined us based in Lancashire, Wales and Merseyside. It has been encouraging to see the way in which they have started to support our fundraising groups while reaching out into schools and local businesses. We look forward to them making a real difference in local communities and making links between our researchers, groups, schools and our supporters.

Note should also be made of the Cancer and Polio Research Fund. This research funding charity, with so many of the aims that we share, joined with NWCR at the start of September 2018, bringing with them some funds to invest in research along with many supporters. We welcome them to the Charity and look forward to working with them in the future.

The 2017/18 year ended with our 70th Anniversary Gala Dinner and Awards. It was a

great evening and it felt like a family coming together to celebrate success. One aspect of the evening which we had not anticipated was the feedback from award winners on why they supported NWCR. There were so many moving stories of personal triumph and loss that it reminded us of why we support this Charity.

Finally, let me finish by thanking you, our supporters, for your dedicated support. It has been an absolute pleasure to see your commitment to the battle against cancer in our area and a real privilege to meet so many people who share a common purpose and who are willing to give up their time and money to make things happen.

I know that with your help and support NWCR will continue to carry out ground-breaking research into cancer.



REPORT OF THE SCIENTIFIC COMMITTEES

Prof Nigel Cunliffe

Scientific Committee Chairman

North West Cancer Research currently has two Scientific Groups who, between them, oversee the direction of research funding, along with the approval of specific projects. The two provide advice to the Board of Trustees and support them in making decisions in areas of complex science.

The two groups are:

Research Strategy Group

The Research Strategy Group (RSG) comprises senior scientists from around the region who are responsible for setting the Annual Research Strategy. The Strategy enables researchers to understand what the Charity's priorities for funding are and what information they will need to provide in a funding application.

The RSG also considers funding for posts within academic institutions such as Lecturers, Fellows Summer Studentships and others.

The funding for the University of Liverpool

Cancer Research Centre was first approved in 2014 and the original funding ran to the end of 2017. The RSG worked closely with both the Board of Trustees and the University to ensure that the funding was renewed through to 2022. The centre provided robust evidence that the regional impact of the work funded would grow and that strong controls would be in place to ensure that high-standards would be maintained. We are delighted that this has been approved and that the Cancer Research Centre's future has been secured for a further four years.

The group has worked closely with Bangor University during the year and have helped them to achieve funding for four Master of Research students over one year, plus two new PhD students. These will be 80% funded by the European Social Fund KESS2 programme with 20% of the funding coming from NWCR. This helps to bolster the research community in Wales.

During the year, the RSG supported the

management team of the Charity in developing the new short-impact funding round which was opened up at the end of 2018. This is a new type of funding stream which provides for lower cost one-year grants to cover a specific piece of research which must demonstrate patient impact in less than ten-years. We look forward to seeing how this will develop.

The group looks forward to the continuing development of the Charity in 2018/19 and to improving our links with the academic institutions in the area.

Scientific Advisory Group

The Scientific Advisory Group (SAG) assesses research grant applications from cancer researchers in the North West and North Wales region, with the aim of ensuring that funded work is of a world-class standard. This is achieved through a process of external peer review of grant applications, followed by rigorous internal peer review by the SAG.



Our membership of the Association of Medical Research Charities provides external recognition of the quality of our peer review processes and places us in the top tier of medical research charities in the UK. A position we are proud to hold.

The SAG comprises of senior cancer researchers from across the region along with leading cancer researchers from elsewhere in the UK. The group encompasses both basic science and clinical expertise and all members give their time freely to the Charity. I would like to thank them for their commitment and support over the past year in carefully and expertly evaluating grant applications.

The SAG met twice during the year and approved a number of project grants based upon scientific merit and overall international excellence. At it's February meeting, the Group reviewed 18 applications and approved four of these. The September meeting reviewed a further 20 applications and approved four of these. In addition, the SAG also reviewed applications for equipment funding under a new stream – approving six key pieces of equipment which will be

available for use by researchers from across our area.

In all it has been a notable year for the Scientific Advisory Group. The eight projects and six pieces of equipment funded by NWCR combine to give a massive £1.58m boost to research. Within the projects, were a number targeted at fundamental research along with projects which look at specific forms of cancer such as pancreatic cancer, leukaemia, uveal melanoma and some childhood cancers.

How we allocate funding

Researchers within our area of operation are invited to apply for project grants twice a year. All applications are then subject to robust peer review by external reviewers. Our Scientific Advisory Group will then assess the applications before we decide which projects to fund.

At the end of each discussion, each application will be scored between one and six. A minimum score of 4.5 is required for the application to be funded. Some applications that have potential but don't reach a score of 4.5, may be invited to resubmit their application.

All grants are subject to satisfactory review at the end of the first financial year and must submit a final report along with an assessment of their impact.

Information about the latest NWCR funding rounds can be found on our website at www.nwcr.org

Looking forwards

Looking ahead into 2018/19 NWCR will be reviewing its research funding streams. During the coming 12-months the Charity will open up new rounds for Cancer Discovery, Applied Research, an NWCR Fellowship and other funding rounds. This will be aimed at ensuring that our research is not only world-class but also of increasing relevance to patients and the people of our region.



Achieving
the best local
research for
a cancer free
future.

WHAT WE CURRENTLY FUND

Lancashire & Cumbria

Analysis of the role of ubiquitylation of Ciz1 in regulation of DNA replication and cell division

Dr Nikki Copeland

£123,121 / three years

Summer Studentships at the Division of Biomedical and Life Sciences

Dr Sarah Allinson

£15,600 / two years covering 2018 & 2019

Development of mouse tail skin as a translational preclinical model for UV exposure and early melanomagenesis

Dr Richard Mort, Dr Sarah Allinson

£251,263 / three years

How does p53 link DNA damage signalling to innate immunity?

Dr Unterholzner

£203,400 / three years

The role of NSMCE2-dependent SUMO modification in the replication stress response

Dr Elaine Taylor, Dr Mick Urbaniak

£199,908 / three years

Living well during and beyond treatment for gynaecological cancer: exploring the lived experiences of patients undergoing treatment for gynaecological cancer

Dr Lisa Anne Wood, Daniel Hutton, Dr Lynda Appleton, Dr Vicky Singleston,
Dr Karen Whitmarsh, Janet Johnson

£118,787 / two years

Funding for a Lecturer and Fellow in cancer research with PhD students

The funding provides support for the appointment of a Lecturer in Cancer research, along with a Fellow, two PhD students and lab-costs for 5-years. It has been match-funded by Lancaster University.

£441,296 / five years

**Denotes
Structural
Funding**



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research for
a cancer free
future.

WHAT WE CURRENTLY FUND

North Wales

North West Cancer Research Fellowship

Dr Cha

£313,935 / five years

Molecular basis of ATM/ATR target specificity

Dr Cha

£181,712 / three years

The role of RadIP, a novel DNA repair factor, in the DNA response to cancer therapy

Dr Staples

£184,744 / three years

Involvement of Mec1ATM/ATR in mitochondrial DNA replication and its implications in cancer cell metabolism

Dr Cha

£199,794 / three years

Autophagy dependent survival following Mec1ATM/ATR inactivation

Dr Cha

£196,116 / three years

KESS2 Studentship funding

Funding for four MRes students for 2018/19 along with two PhD students.

£97,500

Patient centred benefit-risk assessment of treatment for colorectal liver metastases in North West England and North Wales

Dr Emily Holmes, Prof Simon Gollins, Mr Stephen Fenwick, Mrs Louise Jones, Prof Dyfrig Hughes

£67,301 / one year

**Denotes
Structural
Funding**

WHAT WE CURRENTLY FUND



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research for
a cancer free
future.

The cellular response to DNA damage: Ubiquitylation-dependant regulation of 8-oxoguanine DNA glycosylase (OGGI)

Dr Parsons

£114,670 / three years

Characterisation of the endothelial cell surface molecule(s) responsible for galectin -3- induced secretion of metastasis-promoting cytokine

Dr Lu-Gang Yu, Prof Rhodes, Prof Beynon

£149,811 / three years

The KRAS regulated kinase, DCLK1: downstream elements and their roles in cancer

Prof Clague, Prof Urbe

£185,303 / three years

Analysis of MAP4K3 function and regulation in cancer

Dr Lamb, Dr Evers

£122,262

A phase Ib study of pre-operative cisplatin and gemcitabine chemotherapy in patients with Borderline resectable Biliary tract cancer: BBC-O1 study

Prof Palmer, Mr Jones, Mr Malik

£119,657

Determining ibrutinib's potential to treat human leukaemias – novel uses for an exciting new Bruton's tyrosine kinase (BTK) inhibitor

Prof MacEwan, Prof Pettitt, Dr Slupsky

£162,443 / three years

Molecular mechanism of regulation of the cellular protein levels of endonuclease III homologue (NTH1), in response to DNA damage

Dr Parsons

£113,754 / three years

Myofibroblast control of oesophageal squamous cancer invasion: role of chemerin

Prof Varro, Prof Beynon, Prof Dockray

£114,975 / two years

Why are Ras isoforms not redundant? Characterising isoform-specific oncogenic Ras signalling networks

Prof Prior

£194,803 / three years

Regulation of actin mediated endocytic recycling in invasive Her2 positive breast cancer

Dr Zech

£190,962 / three years

Functional characterisation of the distinct complexes of MCL-1, an anti-apoptotic BCL-2 family member, in regulating apoptosis in cancer cells

Dr Varadarajan, Prof Cohen

£134,689 / three years

Characterising the Bruton's tyrosine kinase signalling nexus in leukaemia

Dr Slupsky, Prof Prior, Prof MacEwan

£185,950 / three years

Optimising NK cell cytotoxicity and infiltration and global health

Dr Coombes, Dr Morgan

£133,823 / three years

Targeting an Achilles' heel of cancer: Deubiquitylases as novel targets for centrosome decluttering and cancer-cell specific death

Dr Coulson

£189,049 / three years

The NWCR Bioinformatics Fellowship

Dr Hammond

£176,632 / three years

Exosome biogenesis: the role of sortilin in cancer biology Dr Liloglou, Dr Wilson, Prof Coupland, Prof Clague, Dr Kalirai, Prof Field	£184,613 / three years
Mechanistic investigation and risk: benefit analysis of the use of brusatol as a novel adjuvant for overcoming cisplatin resistance in bladder cancer Dr Copple, Dr Hussain, Dr Goldring, Prof Park	£128,968 / two years
The radiobiology of proton therapy Dr Parsons	£186,096 / three years
Development of novel multiplexable single-colour Ras GTPase sensors to compare spatio-temporal features of Ras signalling cascades with subcellular resolution Dr Stagi, Prof Prior	£192,220 / three years
Understanding the heterogeneity of chronic lymphocytic leukaemia through the elucidation of how genetic alterations influence protein expression at the whole genome level Prof Pettitt, Dr Zhuang, Dr Kitteringham, Dr Jenkins, Prof Falciani, Prof Park	£194,420 / three years
Phosphoproteomic analysis of the master centriole regulator Polo-like kinase 4 using target validated kinase inhibitors Dr Patrick Eyers, Prof Claire Eyers, Dr Christopher Staples	£196,214 / three years
S18-phosphorylation controls catalytic activity of the cancer-associated deubiquitylase USP7: defining the implications for cancer biology and USP7 inhibitor therapy Prof Judy Coulson, Dr Sarah Darling	£205,292 / three years
Investigating in-vivo resistance mechanisms to MEK inhibitors in uveal melanoma to enable novel combinatorial therapies Dr Joseph Sacco, Prof Sarah Coupland, Dr Judy Coulson, Dr Patrick Eyers, Dr Helen Kalirai, Dr Sarah Lake	£131,189 / two years
Gene edited reversal of FLT3-ITD mutations in acute myeloid leukaemia and its effect on chemotherapy resistance Prof David J. MacEwan, Prof Richard E. Clark	£181,676 / three years
The role of the ERK5 signalling axis in vemurafenib-resistant melanoma progression Dr Cross, Mr Pritchard-Jones, Dr Tournier	£131,790 / two years
Understanding the relationship between BCR signalling capacity and clonal behaviour in chronic lymphocytic leukaemia Dr Kalakonda, Dr Slupsky, Prof Pettitt, Prof MacEwan, Prof Falciani	£195,288 / three years
Novel therapeutic approaches for personalised therapy of Head and Neck cancer Dr Shankar Varadarajan, Dr Joe Sacco, Dr Janet M Risk, Prof Gerald M Cohen	£192,243 / three years
Evaluation of novel combination drug protocols for neuroblastoma using advanced imaging in a chick embryo model Dr Violaine See, Prof Paul Losty	£117,382 / two years

Forcing angiogenesis: Transcriptional control by integrin-dependent mechanotransduction during angiogenesis Dr Mark Morgan, Dr Katarzyna Wolanska	£224,182 / three years
Isolation and identification of the chromatin remodelling enzymes required for base excision repair Dr Jason Parsons	£109,991 / three years
Towards the clinical positioning of a first selective DUB inhibitor Dr Sylvie Urbe, Prof Michael Clague, Dr Barry L Pizer, Dr Claire Heride	£141,569 / two years
Non-canonical protein phosphorylation in human cancer cells Prof Claire Evers, Prof Pat Evers, Dr Andrew Jones	£229,675 / three years
Absolute quantitation of endogenous Ras isoform protein abundance: Does codon bias explain the predominance of KRAS mutations in cancer Prof Ian Prior	£127,257 / two years
Kinome profiling and mass cytometry as tools to detect rewiring of B cell receptor signalling in the malignant cells of chronic lymphocytic leukaemia patients taking ibrutinib Dr J Slupsky, Prof I Prior	£217,307 / three years
Integrating biomarkers to stratify adjuvant chemotherapy in pancreatic cancer patients Dr William Greenhalf, Dr Dan Palmer, Dr Eithne Costello	£193,220 / three years
Characterisation of the tumour- immune microenvironment in metastatic uveal melanoma Dr Carlos Rogerio de Figueiredo, Prof Sarah Coupland	£132,434 / two years
Function of stroma-derived gas6 in pancreatic cancer progression and metastasis Dr Ainhoa Mielgo, Mr Robert Jones	£114,450 / three years
Improving the biological response of proton beam therapy in head and neck cancer Dr Jason Parsons	£202,129 / three years
Tribbles pseudokinases: Analysis of cancer-associated signalling mechanisms Prof Patrick Evers, Dr Dominic Byrne, Prof Claire Evers	£221,262 / three years
The role of the ERK5 signalling axis in BRAF inhibitor-resistant melanoma progression Dr Mike Cross, Dr Rowan Pritchard-Jones, Dr Cathy Tournier, Dr Emanuele Giurisato, Dr Harish Poptani, Prof Clare Evers	£229,883 / three years
Method optimisation of urine GC-MS analysis to predict dying in lung cancer patients Dr Seamus Coyle, Professor John Ellershaw, Prof Chris Probert, Prof Mark Boyd	£33,899 / one years
North West Cancer Research Centre The funding provides support for a Centre Administrator, a rolling PhD Studentship programme, the LCRIN Coordinator and support for the Research Development Fund. Funding was originally put in place in 2014 and this has now been extended through to the end of 2021.	£999,471 / four years

**Denotes
Structural
Funding**

A peloton of cyclists has pedaled a combined total of 4,200 miles over four days to raise £35,000 for North West Cancer Research.



Cyclists Raise £35,000 for Life-Saving Cancer Research



The 13 cyclists took part in the inaugural Cycle of Hope fundraiser for the Charity as part of the 70th anniversary celebrations.

The Cycle of Hope event kicked off at Lancaster University on 11 July and took four days to complete. The course took cyclists on a tour of the locations where North West Cancer Research has supported innovative research, including Liverpool and Bangor, before crossing the finish line in Ireland's historic capital city, Dublin on 14 July.

Marking the Charity's 70th birthday, the event was sponsored by Rutherford Cancer Centres who operate a national network of cancer centres, and international manufacturing firm PSL which provides innovative process solutions to the pharmaceutical industry.

Each and every one of the cyclists were phenomenal in their dedication to training and fundraising and their determination to finish the course was fantastic to see. The event was a resounding success and will be repeated in 2019 when cyclists will travel between Liverpool and Dublin on 4-7 July.

CONCERT FOR A CURE

Choirs hit the high notes for
Christmas concert



Choirs from across Merseyside came together in November to raise £4,000 at Concert for a Cure, the Charity's annual Christmas concert.

An audience of more than 350 guests shared the spirit of Christmas, with performances from Liverpool College Prepling's Choir, Stagecoach Liverpool and Over the Water featuring The Luminelles who appeared in the BBC's Pitch Battle.

Concert for a Cure marked the end of a year-long fundraising drive for NWCR, which has made a £2.9 million contribution to cancer research projects across the North West and North Wales this year alone.

Generous Concert for a Cure guests helped raise a further £4,000 through ticket sales, donations and a raffle which featured prizes donated by local businesses including The Clubhouse, Liverpool One.

Special guests in attendance included the Lord Mayor of Liverpool and Cllr. Christine Banks, while DJ and presenter Ellie Phillips hosted the event.

NWCR CEO, Alastair Richards said: "2018 has been a significant year for the Charity, as we have not only celebrated our 70th

Hundreds of local people came together in song for NWCR's Concert for a Cure fundraiser.



anniversary, but we have continued to support unprecedented levels of cancer research here in Liverpool and across the North West.

"It's great to top off the year with such a festive and family-oriented event. It's a welcome reminder of the families at the heart of our mission to stop cancer."

In 2019, NWCR will once again hold a Concert for a Cure in Liverpool and will introduce a Lancashire concert for the first time.



SKIN CANCER CAMPAIGN

Throughout the summer, NWCR delivered a skin cancer campaign aimed at educating the general public about sun safety, UV ray protection and the signs and symptoms of skin cancer.

With an aim of changing perceptions and attitudes towards sun safety across the North West and North Wales, we asked supporters to share a #suncreamselfie across social media, we even had a few famous faces getting in on the act.

In late June, we worked with Matalan in Williamson Square, Liverpool to feature models posing as mannequins in windows before coming to life to take a #suncreamselfie. Armed with sun cream samples and information leaflets, we managed to engage over 2,500 shoppers.

We followed up this success with attendances at Mold Carnival and Morecambe Carnival where members of the general public posed for a #suncreamselfie and took part in a UV accessory making activity, ensuring they knew when they're exposed to UV.

In August, we took over Liverpool's Royal Albert Dock for a Sun Safety Trail. Parents were invited to follow a trail around the docks, taking part in educational activities at The Beatles Story, Mattel Play and Tate Liverpool before visiting us at the British Music Experience to make glowing UV bead accessories.

We also took our campaign to the classroom, visiting a school in each region to deliver bespoke lessons all about the dangers of UV and the signs and symptoms of skin cancer.

Public Health Liverpool backed the campaign and helped launch our sun safety pledge, which encourages employers to make outdoor workers' safety a top priority by raising awareness of the importance of using adequate sun protection when working outside.

The campaign has been short-listed for two prestigious awards in recognition of its impact.





Celebrating our researchers and supporters.

70th GALA DINNER & AWARDS

“The awards allowed us to reflect on their collective achievements so far. As well as looking back, it also gives us a chance to look forward to the future.”

Alastair Richards, CEO



This year we celebrated 70 years of North West Cancer Research with a 70th Anniversary Gala Dinner and Awards.

Guests gathered to celebrate the efforts of the Charity's life-long fundraisers and researchers, who together have helped the organisation become the leading independent cancer research Charity in the region.

Special guests included Lord Mostyn, the Lord Mayor of Liverpool, Deputy Mayor of Liverpool, the High Sheriff and the Lord-Lieutenant of Merseyside, as well as BBC's Roger Phillips who hosted the evening's awards.

The event was sponsored by Rutherford Cancer Centres who operate a national network of cancer centres, and international manufacturing firm PSL who provide innovative process solutions to the pharmaceutical industry.



AND THE WINNERS WERE...

Small-Scale Event

South Cheshire Committee with their Midsummer Drinks event

Corporate Support - JWT

Rising Star in Research - Dr Andrew Fielding, Lancaster University

Large-Scale Event

Kelsall Committee with their Spring Charity Gala

Individual Supporter

James Hogan

Dedication to NWCR Cause

Llanfairfechan, Aber and Bangor Committee

Excellence in Research

Professor Ian Prior, Liverpool University

NWCR Ambassador

Professor Sarah Coupland, Liverpool University

Chairman's Special Award

Olive Cutts, Southport Committee

President's Lifetime Achievement Award

Mold Committee

We would like to wish a huge congratulations to all of our winners and nominees for their continued support, advocacy and dedication to NWCR.



2018 A YEAR OF RAISING AWARENESS





NORTH WEST
CANCER RESEARCH

With the
support of our
local community
we will create a
healthier future
for the next
generation.



MERSEYSIDE AND CHESHIRE

Fundraising Committees

AUGHTON

We held our Christmas Coffee morning in November 2017 in the W.I. Hut. Although there were not large numbers in attendance, we managed to raise £504.55 from ticket sales, stalls and a raffle.

In April, we invited Mrs Susan Black (a Committee member's sister) who lives in Worcestershire to give us a talk entitled 'My Life in Music.' We held this afternoon talk in Christ Church Ministry Centre and served tea/coffee and cakes as well as having a couple of stalls. As this was a new fundraising event, we were pleased to attract a good audience and raised £336.00.

July saw us hold a Summer Coffee Evening in Aughton Institute where we had a cake stall, bric-a-brac stall and a raffle, as well as a tombola which is always popular. Again, the numbers of supporters attending was down compared to previous years however, the amount raised was £516.

We held a Fashion Show with Bon Marche in the W.I. Hut in September which was a popular event with our supporters. We found volunteer models to show the garments which could be bought after they were modelled. Our supporters were then given the opportunity to take a closer look at the outfits modelled before deciding whether to buy or not. We also held a raffle and served tea/coffee and biscuits. All in all, it was a successful event enjoyed by all who attended.





BLACK JACK AND BOW TIE

The Black Jack & Bow Tie Committee have had a busy year again in what can only be described as challenging times!

The Committee have all found this year a bit of a struggle with regard to our fundraising events which, we're sure, is something that all volunteers are finding. That said, we

continue to have a very strong core of supporters and with their help we have managed to raise several thousand pounds with some varied events, such as a race night including dinner which was good fun and proved popular, another fun day and a couple of charity bowls matches. We finished the year with our New Year's Eve party, this was a first for us and we would like to give special

thanks to Sean Higgins aka 'Sean the Hat' for his amazing contribution in providing the entertainment for hours of fun.

We remain committed to NWCR and the all-important work they do. We have reached our 13th year and are looking forward to developing more fun events.





MERSEYSIDE AND CHESHIRE

Fundraising Committees

FRODSHAM

The Committee's main fundraising events were our Spring and Autumn lunches. The lunches, which were held in Frodsham Community Centre, again proved popular and tickets were in demand.

In the Autumn, over a hundred people sat down to a salad lunch followed by a mouth-watering selection of desserts prepared by our hard-working Committee. Our loyal supporters enjoyed a glass of wine or a soft drink with their lunch followed by a hot drink. We also had a card sales table and a raffle. We were delighted to have NWCR Chairman, Nigel Lanceley join us, and he gave us an update on the Charity's work. We raised a fantastic £2,370.

Over 100 people attended the Spring Lunch and enjoyed a chicken Caesar salad with olives, tomatoes and red onions plus a range of delicious puddings which was all well received by our supporters. We raised £2,000.

The Committee appreciated the help and support given to us at these events by husbands, partners, relatives and friends. Their help in collecting orders on the day, preparing food, serving wine and setting up and clearing up at the end is invaluable and we welcome their contribution and ideas.

In November, we held our pre-Christmas coffee morning in the Parish Hall. Thursday is market day in Frodsham so we were able to provide a welcome break for shoppers and visitors. People enjoyed a hot drink and biscuits and were able to browse the

various tables which included a cake and preserves stall, raffle, a Christmas themed stall and a card sales table. We raised an amazing £750.

The sale of cards through table sales at events continues to be a lucrative source of funding for us. We would like to thank Mary Dudson for her hard work.

This year we saw the retirement of one of our older members, Mary Evans, who joined the Committee in 1996. We would like to thank her for all her hard work. Mary continues to support us through the sale of the tickets for the lunches. Sadly, one of our volunteers Val Williams died after a long struggle with cancer in August 2018. Val had been on the Committee for a few years, supporting all our events producing wonderful puddings. Val's family gave a generous donation to NWCR in her memory.



Frodsham NWCR would like to encourage more volunteers to join us to assist with the lunches and possibly join our committee.

Many thanks to our hard-working committee members, helpers and supporters who have all assisted in making the lunches and coffee morning successful in raising funds for NWCR.



NORTH WEST CANCER RESEARCH

KELSALL

This year has been very busy, starting in October 2017 with an auction and jumble sale which raised a total of £500. In November, we joined forces with the local Beer Festival where, over two evenings, local residents sampled local ales and enjoyed live entertainment. The event was a great success raising a further £1,600 for our fund. We followed this success in March 2018 when we held another auction and jumble sale which raised a further £800.

May 2018 saw our annual Charity Gala. This year was a special one, as we have

been holding this event for the past 40 years. The Gala included a six-a-side junior age football competition, many craft stalls, entertainment, displays, a BBQ and for the last few years, we have also included the crowning of our May Queen and Rosebud Princess. We also included a cheque presentation to NWCR and this year the cheque was for £9,000. On the day the amount raised was £3,000.

September was the highlight of the year for our Committee, when we were presented with the Large Scale Event Award at the NWCR 70th Anniversary Gala Dinner and Awards.



It was such a surprise and honour to receive this award and a great achievement for our dedicated Committee both past and present and also for our local community, a population of some 2,500, who, without their support we could not have achieved this.

We look forward to another wonderful year raising funds for this amazing cause.

SOUTH CHESHIRE

We were delighted to be awarded the Small-Scale Event Award at NWCR's 70th Anniversary Gala Dinner and Awards for our very successful summer drinks party at Tushingham Hall which raised £3,000.

We also held a coffee morning at Lower House, the beautiful home of

Mr and Mrs Nigel and Alexa Andrews, where we had stalls, interiors, cashmere, Cath Collins, our delicious home-made cake stall and a few more. We also had the local primary school choir singing Christmas carols. The event raised £2,273.50, a tremendous result. Overall, we raised £6,000 for North West Cancer Research during the year. We are now busy planning

our next events including a spring coffee morning, an Indian summer drinks party and a quiz night.



MERSEYSIDE AND CHESHIRE

Fundraising Committees

LYDIATE

The Lydiate Committee consists of a team of four, a mother and son and a husband and wife. As a team, we have been fundraising for approximately 13 years.

Our main event of the year is the Lydiate Classic Car and Bike Show, held annually on the first weekend of July. Car wise, our attendees range from a Robin Reliant to a Rolls Royce and a Maserati as well as Honda 50's and Harley Davidson bikes. We

also have Military Vehicles and American cars - a very eclectic mix. Our first show had 30 cars attending; our last one had well over 350.

We were very pleased to have Simon Templar's Volvo, from the television show The Saint, in attendance. This proved very popular and they have asked if they can come again this year.

The weather was amazing this year, if not a bit too warm for some. Even so at

least 1,500 passed through the gate. There were also charity stalls in the hall, with day long refreshments. We raised £3,640 over the six hours the show ran.

Although the car show is our main event, we also run attic sales once a month for 10 months of the year, with up to 21 regular stall holders including a plant stall, fresh meat, a tombola and refreshments for sale. Another successful year for the Lydiate Committee!





SOUTHPORT

We have had an amazing year, raising record amounts for NWCR, culminating with recognition for all the fundraising we do as a Committee. We all recognise that the face of our Charity is changing and embrace the work that is done in Head Office on our behalf, with a newly structured staff, who are more than willing to give us all the help we need. As a Committee, we are anxious that all monies we raise, go into research which has always been our reason for the fundraising we do.

Firstly, I have to thank each and everyone on our wonderful Committee, who, without exception, contribute to our success. The events we arrange couldn't happen without their help and support. We started our campaign with myself and Margo Isherwood attending Southport College, who held a Super Saturday, where both college students and parents were able to visit the labs and ask us questions on cancer research, we collected £40 in donations, but the main purpose was to raise awareness of NWCR, especially in our area. 40 staff and students

undertook Challenge the Wild event and a number of teachers climbed Kilimanjaro.

During October, JWT put our logo on one of their trucks, this was instigated by the Captain of Hurleston Hall Golf Club, who has already transferred several thousand of pounds to Head Office, with the promise of more funds to come. Our next event was a Chinese banquet which was very well received by our loyal supporters. November saw us host our annual mince pie and coffee morning, a very popular event. In February we held a luncheon at Southport and Ainsdale Golf Club and then a fashion show at Hillside Golf Club. April saw us again at Hillside, with our highly popular Cheese, Wine and Call my Bluff evening and we received tremendous support for this event. In December, it was the carol concert in the Crypt at the Catholic Church. It was during this time that one of our members lost her battle to cancer, a very sad time for us all, she will be sorely missed.

During the run up to Christmas alongside myself, three members

of our Committee knitted Xmas puddings with chocolates inside and raised £1,000. My thanks to my knitters! We have continued support from Victoria Sports and Leisure club, who hold a Swimathon each year. We are ever indebted to the local businesses who help in numerous ways. My thanks go to Hillside Golf Club in particular, who nominated NWCR as their chosen charity, raising several thousand pounds.

Other events this year included a Summer Sparkle, afternoon tea at Hillside and our new event Bollywood night, which proved a real winner and will be repeated in the future. The Mary Lomax luncheon club have now ceased, but over the years, Mary has raised more than £18,000! There are so many ladies to thank for their continued support, we truly have an amazing Committee and it is an honour to serve as Chair of the Southport Committee, I know 2019 will be another fantastic fundraising year for us, we are committed to keeping the name of NWCR firmly in the hearts and minds of people here in our area.

WIRRAL BAZAAR

Spreading Christmas cheer with most successful Bazaar to date

We are thrilled that this year's Bazaar was our most successful to date, raising an incredible £51,000. The two-day event, held at Thornton Manor, saw more than 3,500 people get into the Christmas spirit.

With over 70 handpicked stalls both from the Wirral and all over the UK, offering unique and beautiful Christmas gifts and food & drink products not found on the high street, it was the perfect opportunity for visitors to kick start their Christmas shopping.

All stalls donated 10% of their takings, giving shoppers the unique opportunity to donate to charity whilst doing their Christmas shopping. In addition, the £4 entry fee and profits from the catering went directly to NWCR. So by simply coming, visitors made a huge difference.

Visitors also enjoyed prosecco, kindly donated by Majestic West Kirby, whilst



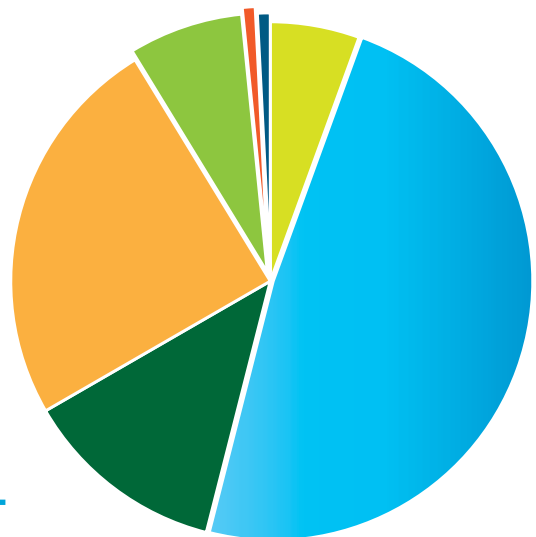
enjoying traditional carols from SingMeMerseyside, Birkenhead School Chamber Choir, and The Bunker Boys, as they made their way round the marquee.

I'd like to thank our corporate supporters: The Mitchell Group, Cammell Laird, Investec Liverpool, Harris Opticians, Birkenhead School, Brewers, Gee and Watson, Whitmore and White, Thornton Manor and Wirral Life Magazine for ensuring the continuing success of the fair.

Wirral Bazaar would not be possible without the help of our friends and huge army of volunteers who support the Committee, so a big thank you to them.

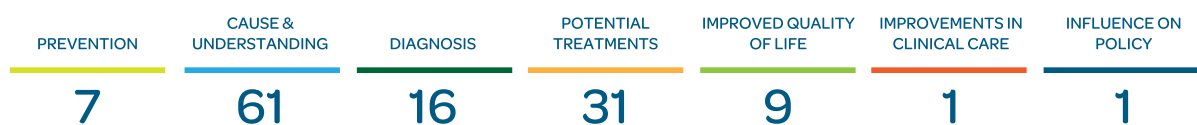


Achieving
the best local
research for a
cancer free
future.



Areas of patient impact

Information taken from the 2018 Impact Report



LANCASHIRE & CUMBRIA

Fundraising Committees

BLACKPOOL

We are very pleased to have raised £4,800 for NWCR this year.

We have had a busy year collecting around the pubs and planning our first Halloween event at Funtastic play centre. We are hoping to make this a regular venue for events and one of our Committee members, Roger, is in discussion with management regarding the possibility of an Easter fundraising event and another Halloween event later this year. Unfortunately, two of our long standing



volunteers have resigned due to work commitments. I would like to thank Donna and Jimmy O'Rourke for their loyal support over the years. Donna has stepped down from being Chair so we are lucky that Roger was prepared to take on the role again. He is hoping to find new volunteers to help with fundraising. Many thanks to Roger for all his efforts and commitment.

LUNESDALE

Another exciting and varied year for the Lunesdale Committee, with a full calendar of events seeing us raise £19,484.14.

The year began with Casterton's annual plant sale and coffee morning which is a date in the diary for many local people. This opportunity is a chance to get some wonderful plants, herbs & flowers, lovingly grown by the Casterton Committee.

Lunesdale's other groups then ran a series of varied events throughout the year, all of which were well supported by our local communities. In May, Sue Thornber and the Barbon Committee ran a hugely

successful fashion show at Barbon Village Hall, with over 100 attendees, this event raised £1,896 and a great night was had by all. The fashion show offered a selection of high street brands at discount prices, with some great bargains to be found.

Following on from this, our Chair, Wendy Hadwin held a cheese & wine night at Mansergh Village hall. Being in June, we were in the full throws of the wonderful summer weather and the rural setting of Mansergh, combined with the warm weather ensured a great night was had by all who attended.

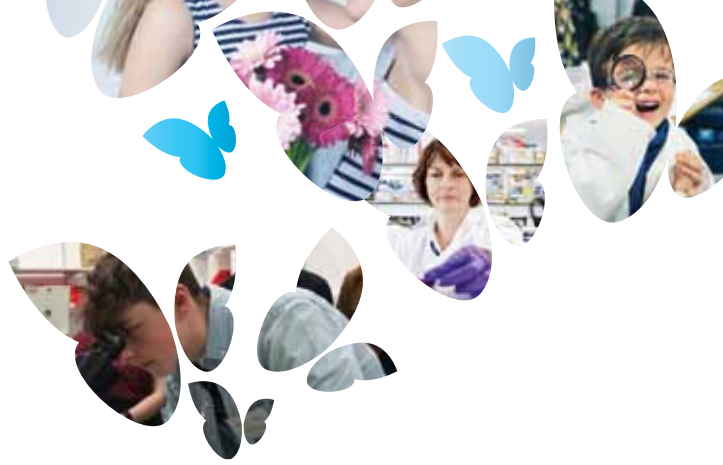
This event led nicely into the year with Sedbergh and Silverdale running their annual coffee mornings which are a staple of

village life for both these locations. At both coffee mornings, Charlotte, the Community Fundraiser for Lancashire, was able to come along and sell Christmas cards to the attendees.

October was a busy month for Lunesdale, with two events and our annual meeting with the team from the Liverpool office. This is a chance for supporters of the Charity to see the team from the Liverpool office and get updates on the Charity and the work they are doing. We also got the opportunity to meet one of the new researchers at Lancaster University, Andrew Fielding, who gave a talk on his research and role as a NWCR lecturer at the university.

NORTH WALES

Fundraising Committees



ANGLESEY

The Anglesey Committee was formed in early summer of 2018 and therefore we only had one event during the period.

We organised a cake sale and grand raffle that took place in Menai Bridge to coincide with the town's Food Festival in August 2018. Members of the Committee contacted various local bakeries to donate produce for the cake stall, as well as baking a number of cakes and biscuits ourselves.

Local businesses very generously made donations towards our grand raffle and the total from ticket sales made up the majority of the £1,000 collected on the day! All our hard work paid off and the Committee were ecstatic with the amount raised. We are delighted to be joining the NWCR family and are looking forward to hosting many events in the future.





NORTH WALES

Fundraising Committees

HARLECH

Although the Harlech Committee is in a quiet, rural setting and constitutes a small number of ageing members, during the past year we have raised over £10,000 for NWCR. Sincere thanks go to Mair Eluned, our Treasurer, for doing a sterling job keeping the accounts and all financial issues in order.

Unfortunately, a substantial amount of the money we have been raised was due to donations and collections in memory of local people who have passed away. However, we do find that most relatives are reassured when they know their donations are helping towards significant research work being undertaken at the University of Bangor. We continue to spread word of the work of NWCR and recently invited Dr Edgar Hartsuiker of Bangor University and the North Wales Community Fundraiser to give a talk to the local Rotary Club on the role of NWCR and the research work currently being undertaken at the Faculty in Bangor.

Our usual coffee evening was held in June with a variety of stalls, tombola and raffles. We usually find that having a Grand Raffle is advantageous and this alone brings in a profit of around £500. The Community Fundraiser also came and gave a talk on the stage to local people about her role and helped to set up stalls, as well as serve refreshments.

A Beetle Drive was arranged for November, this is a much smaller event but still raised over £400. Grateful thanks to our chief Beetle Drive organiser, Christine Freeman,



who excels in keeping some sense of order to the evening. There is usually quite a lot of noise for such a simple game! It is sometimes difficult to get people to come out on a cold November evening but the hot home-made soup always proves popular during the interval. It is also an opportune time to sell NWCR Christmas cards. Many thanks go to our long serving member Eirlys who always organises the sale of these.

The NWCR collection tins, which we place around the town, also really deserve a mention. These are often full of pennies, loose change etc, which shoppers generously donate after a purchase as they leave - hence the old adage, "look after the pennies and the pounds look after themselves".

Sincere thanks also to our Acting Chairperson, Myfanwy, who is a long-serving member of the Committee and still awaits someone to take over! We still have a dedicated team of Committee members so grateful thanks go to Edwina, Sue, Irene, Eirlys, Jack, Tom, Mair Eluned, Jim & Sheila (Secretary).

HOLYWELL

This past year has been a much quieter year in regard to our fundraising activities. We started our year with a Lidl collection in November and again the following April, plus our collection boxes provided us with a tidy sum overall.

The annual Charity Golf Day was held at Holywell Golf Club in July and although numbers of players taking part were down, a great day was enjoyed by all. Our new venture for the year was taking part in our local quiz nights at the Druids Inn, Gorsedd. Local charities were invited to support the quiz nights on different dates throughout the year and Sarah and Cliff Elson, who are the licensees, gave the proceeds of the evening including the raffle to the Charity

involved. It was a different way to raise money in the community, whilst promoting the Charity and proved successful. Once again, the Ladies of Rhyl Inner Wheel collected for NWCR in Tweedmill and held a coffee day for us. So all in all, another good year, maybe not as fruitful perhaps as the previous two but we are always trying to find new ways to fundraise. Thanks to all our ladies on the Holywell Committee for their efforts over the year. Well done.





NORTH WALES

Fundraising Committees

LLANFAIRFECHAN, ABER AND BANGOR

It is pleasing to note that the Committee was able to raise £10,000 during the year and although it was disappointing that two Committee members left, it is exciting that they have gone on to form a new committee on Anglesey. As a Committee, we have been fortunate that the CEO and Head of Fundraising have been able to join us for so many of our meetings and we are grateful for their continued support.

We have had some good fundraising events during the year – we had our usual supermarket collections in Tesco, Bangor and Llandudno Junction and in our local Co-op store. We are very fortunate that the manager and staff are extremely supportive in allowing us to fundraise at least three times annually.

At the end of October, a concert was held in Llandudno with the money raised going to NWCR and although the Committee was not directly involved with the initial organisation, members did help and volunteer on the night and this has enabled us to make valuable contacts for future events.

In November, we held a Christmas quiz in the golf club. This event was well supported and local businesses had donated raffle prizes which helped us raise nearly £200. During May, we hosted a pop-up 'nearly new' shop in Llanfairfechan and although the shop was not as busy as in previous years we did manage to raise £400.

A fundraising BBQ evening was very kindly hosted for us by Aber resident Aziz Maki, he did not want to sell tickets but instead asked

guests to make a donation. The evening was very successful and extremely enjoyable and we raised £450, we thank him for his continued support.

The culmination of this year for us was being nominated for and awarded the Dedication to NWCR Cause at the 70th Anniversary Gala Dinner & Awards in Liverpool – testimony to the hard work and dedication of all Committee members since 1949! It will be our 70th anniversary next year, so as a Committee, we will endeavour to make 2018/2019 a gala year for fundraising.





MACHYNLLETH

2017-18 was one of the busiest and financially, the most successful year for the Machynlleth Branch.

A local farmer, Geraint Jones who is the son of former Committee member Audrey Jones, raised nearly £12,000 for three different charities, and the Machynlleth Branch was pleased to accept Geraint's donation of £3,946. He managed to raise the money by shearing 715 lambs in 12 hours, which was an amazing achievement. The local community came out in force to support Geraint on the shearing day which was followed that evening with an auction.

Our annual coffee morning in October was well attended once more and we were pleased to welcome the CEO and Head of Fundraising to Machynlleth where they were able to meet the Committee members and supporters. Over £1,200 was raised at this event.

A lovely afternoon was spent at Plas Dolguog hotel in early February to celebrate the 60th birthday celebrations of the Machynlleth Branch. The lunch was very well attended by members, past members and supporters as well as representatives from NWCR. A special cake was made to mark the occasion and the event was also



a golden opportunity to present Michael Williams with his Long Service Award, having served 40 years as a member and 34 of these years as a press secretary.

Sadly, we lost two long serving committee members this year and they have been greatly missed. We received money in memory of one of these ladies, Mrs Hilda Humphreys and also two other friends of the Committee.

Margaret Evans and her friend Liz Tomlinson raised nearly £1,000 from Whist Drives again this year and a 90-year-old gentleman donated his birthday celebration money of £455 towards the cause. The street collection also raised over £1,000, thanks to all who collected on the day.



£9,400 was transferred to Liverpool Head Office at the end of the financial year and this is the highest amount we have ever raised. We are very grateful for the wonderful support of our Committee and also to the community in which we live for their generous donations. The Machynlleth Branch were very pleased to have been nominated for the award 'Dedication to the cause' at NWCR 70th anniversary celebrations. Even though we didn't win, we were very pleased that our efforts, and past Committee members efforts had all been recognised.



NORTH WEST CANCER RESEARCH

MOLD

The Mold Committee ran our usual collection of coffee mornings and lunches bringing in over £3,100. Our biggest event of the year was an afternoon tea to celebrate the life of Beryl Powell MBE, long standing Chair of the Mold Committee, who we sadly lost in 2017. Held in Theatr Clwyd, 150 guests were entertained by people representing different aspects of Beryl's life. Christopher Enston, pianist from St Mary's Church entertained while people were arriving and representing Ysgol Maes Garmon was current student Isobel Owen, who played the violin and sang. To represent Arts from the Armchair, Rita Newman gave a reading - Beryl Powell: A Jewel in Theatr Clwyd's Crown and Glyn Holywell performed The AFTA song. St Mary's Church choir performed a number of pieces and the afternoon was ended by Angie Parker who sang an arrangement of Beryl's favourite songs. It was a lovely way to remember Beryl while raising £3,440 for NWCR. We received a £300 donation in memory of Beryl Powell from the Rotary Club of Mold.

We are very lucky in Mold to have fantastic support from the local community who organised their own fundraising events. Among these last year, were Mr & Mrs Rowley, who once again opened their beautiful house and garden for NWCR. Lots of people enjoyed the homemade cakes, bought pretty handcrafted bags, aprons and quilts and stunning summer



planters. This very popular event raised £1,600. Pat & Colin Werner's dog training school in Rhydymwyn had a sponsored 'sit-stay' where the dogs and their owners were sponsored to lay still for 10 minutes. They raised £1,450. Mr & Mrs Edwards annual coffee & mince pie afternoon took £750. Mrs Martin held her second Gin & Fizz Afternoon raising £776 and Northop hall Cricket Club gave us a £400 donation after holding a fundraising dinner dance. Mrs Atkins ran the Cilcain community café taking £410 for NWCR.

Two of our Committee members kindly asked for donations to NWCR in lieu of birthday presents, donating £2,600. Altogether, we raised a total of £26,500.

In September, representatives of the Mold Committee attended a Gala dinner in Liverpool to celebrate 70 years of North West Cancer Research.

NORTH WALES

Fundraising Committees



We are pleased to say that Jones Price Greengrocers of Mold received highly commended in the Corporate Supporter award category for their support over the years. Then the Mold Committee were very surprised and thrilled to receive the President's Lifetime Achievement award in recognition of our Committee's 65 years of fundraising. This award not only recognises the commitment shown by members past and present but also the support of the local businesses and residents in and around Mold. Without their support, we could not raise the money that we do.

RUTHIN

Ruthin Committee had another busy year of fundraising events, which raised over £5,000 for the cause during 2017/2018.

In November, a Christmas Extravaganza was held at Llys Erw, Ruthin and stalls on offer were Christmas gifts, mystery bottle, Christmas table decorations, cards and knitted novelties, cake stall and name a teddy competition, all of which contributed to an amazing £776 raised on the day.

This was followed in March with a Soup and Cake Lunch, where home-made vegetable soup and cakes were served, which raised £535.

In May, we held a Flower Arranging Evening at Ruthin Rugby Club, where invited guests, together with members of the Committee, demonstrated the art of turning flowers and other objects into table decorations. These were then raffled off at the end of the evening. This event has grown in popularity over the past two years and £320 was raised.

In July, we held a Strawberry Tea using strawberries donated by the local branch of Tesco. The weather was wonderful, as was the £400 we raised.

The last event held in this financial year was the Bric-a-Brac Sale and coffee morning which was held in the Presbyterian Church in Ruthin, where a host of barely used goods were on sale, together with a very welcome cup of tea or coffee and biscuits. £386 was raised from this event.



NORTH WALES

Fundraising Committees

TYWYN AND DISTRICT

Our fundraising events for the year began with Mrs Meiriona Davies and family raising nearly £400 at Aberdyfi United Charities Fair held during early December including sales of NWCR Christmas cards.

Although Easter Monday was a bitterly cold day (we even had members of the public offering to buy us coffee as they felt sorry for us!) several Committee members bravely collected nearly £400 during our annual flag day street collection.

We received a number of donations in memory of loved ones including £465 given in memory of Mrs Pam Williams, Aberdyfi. We also received £445 in lieu of 70th birthday gifts, generously donated by Mrs D.Roberts, Tywyn.

Our annual May Bank holiday coffee morning was a great success, raising over £900 in ticket sales and donations. This event is always popular and well attended by the local community.

We also held an extra event this year. The 'Tea and Cream Scone' tea was held in August on 'Race the Train' day and formed part of our birthday celebrations as well as helping to raise awareness of NWCR at a national event as runners from abroad as well as nationally attend the event. In addition, we held a second coffee morning raising over £700 for NWCR.

We are very grateful for the support from local singing group, 'REVIVAL,' who not only donated funds but provided great entertainment for the community at our Coffee mornings.

Our total fundraising this year from all our events is £3,557 and we are very grateful for the continued support of the community.

As 2018 was the year the Charity was celebrating its 70th anniversary, as well as Tywyn Committee celebrating its 56th birthday, the Committee decided to hold a Committee and Friends only supper at a local restaurant. The event was self-funded, and although some committee members were unable to attend, we had a relaxing and enjoyable meal celebrating our fundraising achievements.





NORTH WEST CANCER RESEARCH

WREXHAM

Still a miniature tree but with a few more branches than last year!

This is the 5th report from the Wrexham Committee and we are continuing to try and raise the profile of NWCR in the Wrexham area despite being one of the smallest Committees in the organisation. This year we have managed to raise £2,935.31

We have always had very good support from Wrexham Inner Wheel. My mother-in-law has been President in the past but sadly dwindling numbers and age has meant the Committee disbanded earlier this year. Before they did, we were given a generous donation from their final accounts. We would like to sincerely thank them for all the support they have given

us since we started the Wrexham branch in 2014.

In early September, we hosted a Saturday morning concert at our local church raising £355 in total. Friends and family contributed to the musical morning, entitled 'From Lala to Gaga and Bach again!' Local people supported the event and we made money from books, cakes and a raffle as well as the entrance fee. Our first attempt at holding this concert was thwarted by the snow in March when the whole country ground to a halt.

Our friend, Sue Walls, makes beautiful hand-made cards as a hobby and sells them all for NWCR and we continue to be grateful for her selfless generosity and of course her talent.

We have made extremely good links with some fabulous young people from one of our local high

schools, Castell Alun in Hope. Kalum, Charlie and friends started raising funds for us last year and we have been to the school assembly a couple of times to address the pupils about the Charity. The school allowed NWCR to deliver lessons on sun awareness in July and we have been informed that there are now two school years willing to raise funds for us over the coming year. The young people in Castell Alun are amazing, dedicated and a credit to their community. We are very grateful to them all. This year they donated over £2,000 to us.

We have also raised funds from a local pub, funeral donations from a good friend of ours and various collections in work.

My wife's surgeon, Rowan Pritchard-Jones, continues to receive funding from NWCR to support his vital research into Melanoma which we are told is now at an exciting and crucial stage, so we continue to be committed to raise much needed funds for NWCR. My wife reached her 5 year all clear early in 2018. Thank you to everyone who has helped us over the past year. Every penny counts!



SCIENTIFIC UPDATES

Merseyside and Cheshire

Prof Sarah Coupland, Centre Director

North West Cancer Research Centre,
University of Liverpool (NWCRC@UoL)



The NWCRC@UoL has awarded Research Development Fund (RDF) projects totalling £70,048 over the last year, and awarded 12 RDF travel vouchers (up to £500 each).

The NWCRC@UoL seminar series continues to be successful and has hosted a range of external and internal speakers of high quality during the last 12 months. The seminars are 'live streamed' on most occasions to Leahurst, Lancaster, Bangor and Chester Universities.

The Centre's first three students (Lucy Ireland, Valeria Quaranta and Erithelgi Bertsoulaki) have successfully completed their Viva examinations and gained employment within the University of Liverpool as post-doctoral researchers. We celebrated this by inviting all NWCRC PhD students with their respective supervisors to share their experiences and form a valuable network.



It has been another successful year for the North West Cancer Research Centre.

In April, we held the annual NWCRC@UoL Scientific Symposium at the Victoria Gallery & Museum at the University of Liverpool. This event goes from strength to strength and was attended by a wide range of cancer researchers. This year's event covered a range of basic and translational research, providing an overview of what was being conducted by its Principal Investigators and their teams. The event also welcomed two external Keynote speakers Ilaria Malanchi from the Francis Crick Institute, and Helen Fowler, from London School of Hygiene and Tropical Medicine. Popular at the Symposium was the introduction of 'rapid fire' presentations of junior scientists to highlight their posters.



For the second year running, the NWCRC@UoL invited sixth form students from five schools across the Merseyside region. The aim was to provide a better understanding of what scientists do, and the questions they are trying to address concerning the development and treatment of cancer. The day for the pupils



included attending some of the lectures at the Symposium, speaking with some of the scientists, judging the photo competition, and tours of the research laboratories.

Public engagement continues to be an important component of the work of the Centre.

In May, the NWCRC once again took part in the 'Meet the Scientists' event at the World Museum Liverpool. Based on the event theme 'Being Human,' the Centre selected activities based around eye pathology, 3D models and anatomy.

Visitors were encouraged to think about the different organs in their own bodies, what can go wrong and how to look after them. Through a combination of art and science we aimed to engage, inspire and open minds to the human anatomy. Together with 3D life prints, we showcased our new 3D silicone lung cancer model printed earlier this year thanks to a FHLS public engagement

grant from the Wellcome Trust. Mr Nick Turner, Lead Biomedical Engineer at 3D Life Prints, further displayed their live 3D printing machine (creating a model in real time) and we welcomed visitors to ask questions.

Younger children were encouraged to create their own body self-portraits, using different coloured materials to show the blood and its changing colour with oxygen. Whilst older children and adults were also invited to look at cancer slides down a microscope, and were described the anatomy of the eye.

On that day, we also promoted the North West Cancer Research's #suncreamselfie campaign with the use of our #suncreamselfie board and props, to spread the message and help people to protect their skin from the damaging effects of the sun. A special thank you to all of our volunteers on the day.

May proved an extremely busy month as the NWCRC, UGC-UKIERI and N3CR held a joint workshop on the 'Use of the Chick Embryo Model in Cancer' in the William Henry Duncan Building.

The event welcomed UKIERI collaborators from the University Hyderabad,

Prof Geeta Vemuganti and her new PhD student, Mr Narayana Revu Venkate Lakshmi, who provided an overview of retinoblastoma, stem cells, and the chick embryo.

Dr Anne Hermann (IIB, UoL) discussed the chick embryo model in cancer research: from standard protocols to new

clinically relevant discoveries, Dr Jodi Alexander (ITM, UoL) highlighted the use of the chick embryo in Uveal Melanoma. Finally, Dr Thomas Butts (UoL) provided an overview on the use the chick as a model to study brain development, with Prof Coupland summing up.



Leading up to July, the Centre Director was very busy on her road bike, training for the 'Cycle of Hope', to raise money for NWRC. The four-day tour saw Prof Coupland cycle over 300 miles between Lancaster and Dublin, it was a very successful event and Prof Coupland has already been convinced to take part in the 2019 repeat event!

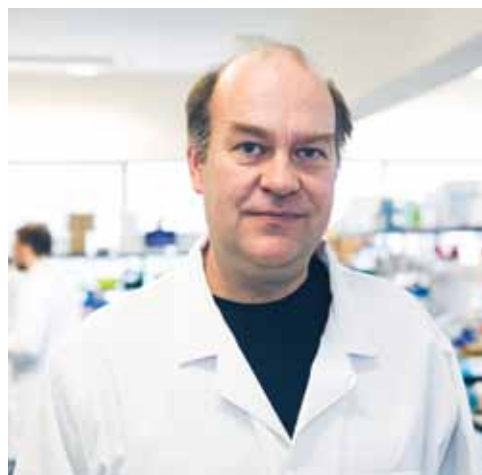
In summary, the year for the NWCRC@UoL has been successful at both the scientific as well as at the outreach levels. Detailed outputs of the researchers will be updated shortly on the Centre website for viewing.

We now look forward to our 5th anniversary in April 2019.



SCIENTIFIC UPDATES

North Wales



Dr Edgar Hartsuiker, Group Leader

NWCR Research Institute, Bangor

It has been a busy year again for the Bangor North West Cancer Research Institute!

We have published several articles in peer reviewed journals (Developmental Cell, Current Genetics, Andrology), and have several manuscripts in preparation and submission.

Group leaders have also successfully applied for two grants (one PhD and one Postdoc) from Cancer Research Wales, five Knowledge Economy Skills PhD Scholarships (two of which have NWCR as a partner) and an award from the Gwynedd Haematology and Cancer Relief Fund.

Group leaders in the Bangor North West Cancer Research Institute, in collaboration with the Welsh Computer Aided Drug Design (CADD) Platform in Cardiff, have made their first steps in drug discovery. This involves the three dimensional modelling of a protein implicated in carcinogenesis and testing millions of molecules for their potential to inhibit the activity of this protein. This is all done on a computer (in silico). This allows us to create a list of the most promising compounds, which

we subsequently test in our laboratory for their effects on cancer cells. Using this procedure, we have now identified several small molecules with desirable properties, which have potential to be developed into cancer drugs.

We have also been busy with public engagement. Our open day in March, as part of the Bangor Science Festival's Hidden Worlds exhibition, was again very successful. We had more than 1,300 visitors this year and I would like to give many thanks to the Llanfairfechan, Aber and Bangor Committee for helping out again!

I am delighted that NWCR has recently recruited a North Wales community fundraiser and I am excited to see their work with schools and other public engagement events to promote the work of the Charity. They will also be a fantastic resource for the North Wales Committees and the public to raise more funds for cancer research.

I would like to thank the NWCR Committee members, NWCR supporters and everyone at the NWCR Liverpool office for all their help and support.

SCIENTIFIC UPDATES

Lancashire and Cumbria



Dr Sarah Allinson, Deputy Head of Department

Biomedical and Life Sciences
Lancaster University

The past year has seen a lot of exciting new developments in cancer research at Lancaster, with several new people joining the team, some work coming to fruition and the opening up of new avenues of investigation, all thanks to the support of NWCR.

In March 2018, Andrew Fielding joined us from Judy Coulson's lab in Liverpool to start as NWCR Lecturer. Andrew has got off to a flying start as an independent researcher. As he says: "It's been an exciting year, setting up my lab, recruiting Kim Fabian-Kolpanowicz to a NWCR-funded PhD studentship and winning the NWCR Rising Star in Research award, presented at the 70th Anniversary Gala Dinner & Awards." Andrew continues to collaborate with colleagues from Liverpool as well as setting up new collaborations here in Lancaster to investigate novel methods for targeting otherwise hard-to-treat cancers, such as triple negative breast cancer and uveal melanoma.

A notable new collaboration of Andrew's is with Morgan Gadd, NWCR Fellow. With the help of MSc student Umar Patel, they have

begun a project to develop novel drugs to destroy a protein that Andrew's work has shown cancer cells need to survive. These types of drugs, known as degraders, are the main focus of Morgan and his team's work. They hope that the drugs' ability to remove cancer-causing proteins from cells will impair the growth and survival of cancerous cells in a more targeted way.

The other members of Morgan's team, Marine Aublette, an NWCR-funded PhD student who joined us in October and Tom Harrison, undergraduate dissertation project student and former NWCR summer student, have been developing degraders that will remove proteins that grant cancer cells resistance to radiotherapy and some chemotherapies as a way of improving the effectiveness of these treatments.

We have also welcomed another new NWCR PhD student to Lancaster - Freya Ferguson, who joined Nikki Copeland's lab in October. Nikki's group aims to understand the changes that contribute to the increased rate of growth that causes cancer to develop. Freya is studying how a signal, produced by cells during certain types of

Achieving the best local research for a cancer free future.

chemotherapy, prevents cells from completing cell division. Through understanding how this signal works, the team hope to determine if it can be used to control growth of cancer cells.

Also in Nikki's group, NWCR-funded PhD student Tekle Pauzaite, is coming towards the end of her project and is currently writing her thesis. This project aimed to understand how a protein called Ciz1 is controlled in cells, as a first step towards determining if it is possible to use Ciz1 as a drug target for cancer therapy. Tekle has found that it is possible to target Ciz1 using existing drugs and that this efficiently reduces cancer cell growth in the laboratory. This should, in principle, make it easier to determine whether this may be a suitable approach to treat some common cancer types. Tekle has presented her work at conferences in the UK and Europe.

A new NWCR-funded postdoctoral scientist, Tom Ward, has joined Leonie Unterholzner's lab to investigate how our immune system helps us fight cancer. He is trying to find out whether the tumour suppressor protein p53, which is often altered in cancer cells, also alerts the immune system to tumour cells. Tom and Leonie are also investigating how our immune system detects cancer cells that have been damaged by radiotherapy, using a new cell irradiator instrument co-funded by NWCR and the University of Lancaster. This research may provide the foundation for new immunotherapy approaches in the future that allow us to harness the power of our own immune system to help eliminate cancer cells.

Meanwhile, Richard Mort and I have begun a project seeking to develop mouse tail skin as a model to understand melanocyte and melanoma behaviour. Melanocytes are the

cells in our skin and hair that produce pigment. Melanoma, a cancer of melanocytes, is one of the deadliest forms of skin cancer. Its incidence has increased 7-fold in men and 4-fold in women in the last 40-years. The risk of developing melanoma is greatly increased by exposure to UV radiation in sunlight/sunbed lamps.

The project started in earnest in May 2018 with the recruitment of postdoctoral research associate Emma Wilkinson an experienced researcher who worked previously for Michael Cross at the University of Liverpool. Emma is currently developing assays to investigate melanocyte behaviour and visualise them with live imaging techniques in skin.

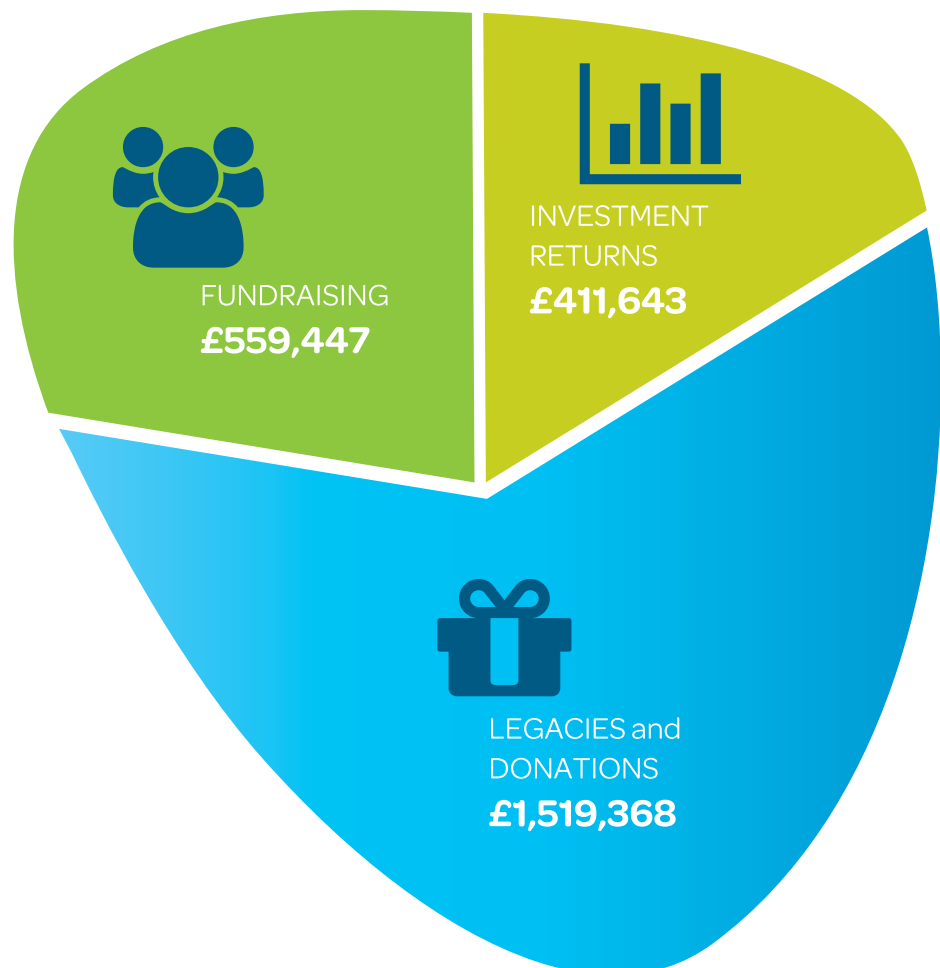
Finally, this year has seen one of our busiest in terms of getting out into the community to raise awareness of cancer and the work that NWCR is funding to beat it. Our Lancaster based NWCR community fundraiser, has done a great job of arranging opportunities for us to meet hard-working local fundraisers, including tours round our labs. One particularly enjoyable aspect of this for me has been our NWCR DNA experience days, where we have welcomed nearly two hundred primary school children into our labs to learn all about DNA and to have a go at purifying some from strawberries.

We look forward to updating you with news of all of these projects next year, but in the meantime I would like to conclude by once again thanking everyone who has donated their time and money to help us carry out our work. It simply wouldn't be possible without you.

FINANCIAL SUMMARY 2017-2018

This summary gives an overview of how we have performed during the financial year ending 30 September 2018. The full Annual Report and Financial Statements are available from the North West Cancer Research office.

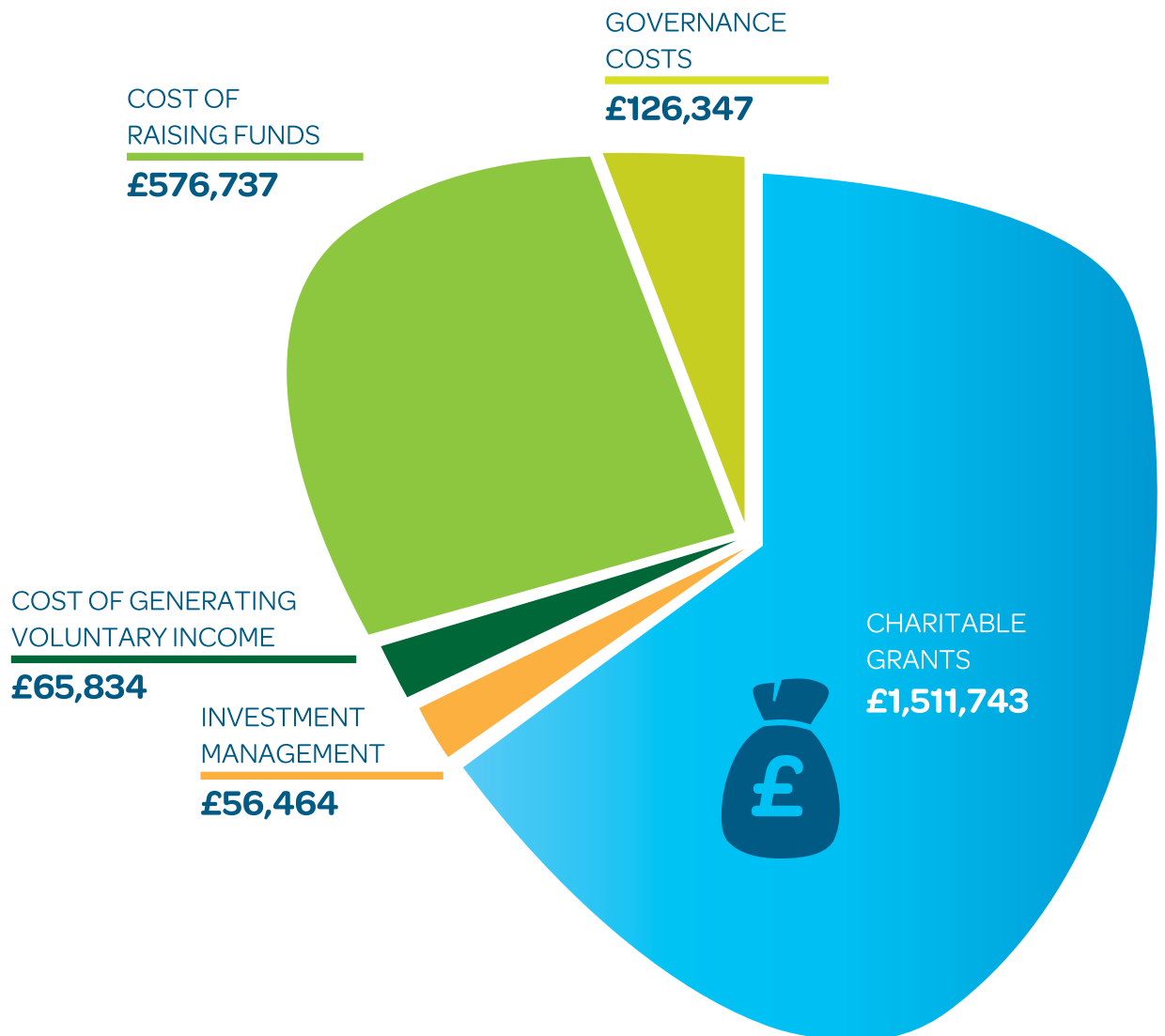
INCOME





NORTH WEST CANCER RESEARCH

EXPENDITURE





STATEMENT OF FINANCIAL ACTIVITIES

For the year ended 30 September 2018

	Unrestricted and total funds 2018	Restricted funds 2018	Total funds 2018	Total funds 2017
INCOME FROM:				
Legacies and donations	£ 1,519,368	-	£ 1,519,368	£ 441,960
Fundraising	£ 547,097	£ 12,350	£ 559,447	£ 461,114
Investments	£ 411,643	-	£ 411,643	£ 435,883
TOTAL INCOME	£ 2,478,108	£ 12,350	£ 2,490,458	£ 1,338,957
EXPENDITURE ON:				
Raising funds:				
Voluntary income	£ 65,834	-	£ 65,834	£ 56,088
Fundraising	£ 576,737	-	£ 576,737	£ 274,185
Investment management	£ 56,464	-	£ 56,464	£ 64,449
Charitable activities:				
Charitable activities	£ 1,418,298	£ 93,445	£ 1,511,743	£ 4,123,037
Governance	£ 126,347	-	£ 126,347	£ 240,659
TOTAL EXPENDITURE	£ 2,243,680	£ 93,445	£ 2,337,125	£ 4,758,418
NET INCOME / (EXPENDITURE) BEFORE INVESTMENT GAINS	£ 234,428	(£ 81,095)	£ 153,333	(£ 3,419,461)
Net gains on investments	£ 254,860	-	£ 254,860	£ 965,466
NET INCOME / (EXPENDITURE) BEFORE TRANSFERS	£ 489,288	(£ 81,095)	£ 408,193	(£ 2,453,995)
Transfers between Funds	(£ 58,934)	£ 58,934	-	-
NET MOVEMENT IN FUNDS	£ 430,354	(£ 22,161)	£ 408,193	(£ 2,453,995)
RECONCILIATION OF FUNDS:				
Total funds brought forward	£ 5,635,679	£ 22,261	£ 5,657,940	£ 8,111,935
TOTAL FUNDS CARRIED FORWARD	£ 6,066,033	£ 100	£ 6,066,133	£ 5,657,940

BALANCE SHEET

As at 30 September 2018

	2018	2017
FIXED ASSETS		
Tangible assets	-	£ 5,459
Investments	£ 10,919,174	£ 11,549,129
	£ 10,919,174	£ 11,554,588
CURRENT ASSETS		
Stocks	£ 7,240	£ 4,915
Debtors	£ 404,294	£ 36,240
Cash at bank and in hand	£ 489,581	£ 372,418
	£ 901,115	£ 413,573
CREDITORS: amounts falling due after more than one year	(£ 3,195,942)	(£ 2,836,203)
NET CURRENT LIABILITIES	(£ 2,294,827)	(£ 2,422,630)
TOTAL ASSETS LESS CURRENT LIABILITIES	£ 8,624,347	£ 9,131,958
CREDITORS: amounts falling due after more than one year	(£ 2,558,214)	(£ 3,474,018)
NET ASSETS	£ 6,066,133	£ 5,657,940
CHARITY FUNDS		
Restricted funds	£ 100	£ 22,261
Unrestricted and total funds	£ 6,066,033	£ 5,635,679
TOTAL FUNDS	£ 6,066,133	£ 5,657,940

WHERE DOES YOUR MONEY GO?



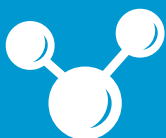
£2 WILL BUY 400 LIQUID HANDLERS FOR PREPARING OUR SAMPLES.



£10 WILL BUY YOU 1,000 TUBES TO PERFORM VITAL EXPERIMENTS IN.



£50 WILL BUY 50 FLASKS TO CULTURE THE PATIENT-DERIVED CELLS THAT WE NEED TO HELP UNDERSTAND CANCER.



£100 WILL KEEP OUR CELL LINES ALIVE FOR A YEAR. CANCER CELL LINES ARE USED TO IDENTIFY NEW THERAPEUTIC TARGETS AND UNDERSTAND RESISTANCE TO CURRENT TREATMENTS.



£1,000 WILL BUY DNA ANALYSIS EQUIPMENT. OUR GROUPS INVESTIGATE DNA DAMAGE THAT CAUSES CANCER, THEY NEED SPECIALISED EQUIPMENT FOR THEIR EXPERIMENTS.



£2,500 WILL PAY FOR ANNUAL ACCESS TO ADVANCED IMAGING FACILITIES. WE IMAGE THE PROCESSES THAT HAVE GONE WRONG IN CANCER CELLS TO UNDERSTAND HOW TO FIX THEM.



£5,000 WILL PAY FOR THE DISEASE SIGNATURES OF 10 CANCER PATIENTS TO BE ANALYSED. UNDERSTANDING HOW CELL COMMUNICATION NETWORKS HAVE BEEN REPROGRAMMED IN CANCER HELPS US TO DECIDE WHERE TO TARGET NEW THERAPIES.



£10,000 WILL PAY FOR ALL OF THE EXPERIMENTS PERFORMED BY A NORTH WEST CANCER RESEARCH PHD STUDENT IN A YEAR.

We are an independant charity and rely solely on donations from people like you. With your help we will stop cancer sooner.



NORTH WEST CANCER RESEARCH

Types of cancer studied by NWCR researchers

Information taken from the 2018
Impact Report



BREAST
3 PROJECTS

SKIN
5 PROJECTS

COLORECTAL
5 PROJECTS

PROSTATE
2 PROJECTS

HEAD AND NECK
2 PROJECTS

LUNG
1 PROJECT

HAEMATOLYMPHOID
4 PROJECTS

PANCREATIC
3 PROJECTS

OCULAR
3 PROJECTS

REPRODUCTIVE (TESTICULAR/OVARIAN)
4 PROJECTS

THANK YOU!



The continued generosity and amazing contribution of our funders and supporters throughout the past year has enabled us to continue to invest in world-class cancer research in our region. Our sincere thanks go to them.

In particular, we would like to thank the following grant-makers for their support:

- The Elda Latin Charitable Trust
- Sir Donald and Lady Edna Wilson Charitable Trust
- The Pilkington Jones Charitable Trust
- The L A Jones Charitable Trust
- The John Behrend Fund
- Liverpool Charity and Voluntary Services
- The Whinlatter Fund
- Geoff's Ludford Charitable Trust
- Johnson Group Cleaner Charity
- The Pennycress Trust
- The Rainford Trust
- The J A Shone Memorial Trust
- Lord Leverhulme's Charitable Trust
- The Johnson Foundation
- Charles Brotherton Trust
- Brian Wilson Charitable Trust

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NORTH WEST
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