



NORTH WEST
CANCER RESEARCH

2016-2017
ANNUAL REPORT

FUNDING
RESEARCH FOR
A CANCER FREE
FUTURE

www.nwcr.org



LANCASTER
UNIVERSITY

UNIVERSITY
OF LIVERPOOL

BANGOR
UNIVERSITY

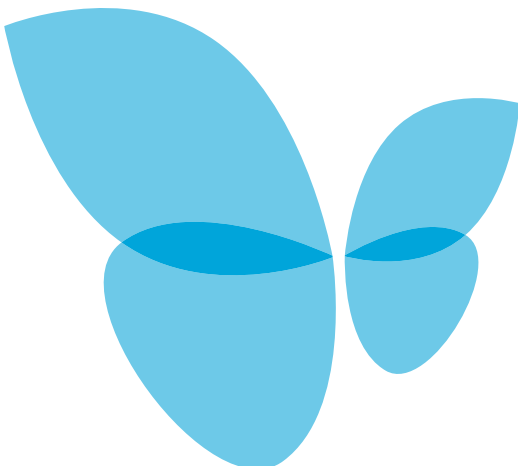
With the support
of our local
community we will
create a healthier
future for the next
generation.



NORTH WEST CANCER RESEARCH

CONTENTS

WHO WE ARE	<u>Pg 05</u>
CHAIRMAN'S STATEMENT	<u>Pg 06</u>
CEO'S STATEMENT	<u>Pg 08</u>
REPORT OF THE SCIENTIFIC COMMITTEES	<u>Pg 10</u>
CURRENT FUNDING	<u>Pg 12</u>
FUNDRAISING	<u>Pg 20</u>
FUNDRAISING COMMITTEES	<u>Pg 24</u>
SCIENTIFIC UPDATES	<u>Pg 42</u>
FINANCIAL SUMMARY	<u>Pg 52</u>
STATEMENT OF FINANCIAL ACTIVITIES	<u>Pg 54</u>
BALANCE SHEET	<u>Pg 55</u>
WHERE DOES YOUR MONEY GO?	<u>Pg 56</u>
DONATION FORM	<u>Pg 57</u>
TRUSTEES, ADVISORS AND PATRONS	<u>Pg 59</u>





NORTH WEST
CANCER RESEARCH



WHO WE ARE

We are the only independent cancer research charity funding quality research for local people in North West England and North Wales.

We're also not afraid to fund early stage research into some of the toughest cancers, knowing full well there probably won't be any publicity or recognition at the end of the project.

We do this because it's the right thing to do so we can stop cancer locally and further afield.

One in two of us will be affected by cancer at some point in our lifetime. Around 44,000 people a year will be diagnosed with cancer in the North West – some of the highest cancer incidence rates in the UK.

The good news is that thanks to research, more people than ever before are surviving cancer.

No one fights
harder to
defeat the
toughest
cancers



NORTH WEST CANCER RESEARCH

CHAIRMAN'S STATEMENT



Nigel Lanceley
Chairman

It seems that every year is a year of change for North West Cancer Research (NWCR) as the charity continues to adapt to its environment and put in place plans for the future. In the year since our last Annual Report there have been significant changes to the organisation from the Board downwards which are intended to prepare us to grow, develop our brand and do more in the fight against cancer.

In early 2017, the Charity undertook a governance review which considered how the organisation could best oversee its management and take decisions. The first part of this was the slimming down of the Board of Trustees in order to streamline decision making. Doing so meant saying goodbye to many friends who have served faithfully as Trustees and who have been key supporters in our journey

to date. To support the Board we have put in place a new Committee structure which will provide new rigor in our decision making and will enable small groups of Trustees to consider important decisions in greater detail.

Our scientific decision making – considering which research work to fund – is well led by the Chairs of our Research Strategy Group and our Scientific Advisory Group. Both support the Board in understanding the value of the research work we fund and provide confidence that our resources are being used wisely.

Looking forwards, we will continue to invest in quality research aimed at understanding the causes of and cures for cancer as well as looking at new areas such as inequalities in cancer prevalence and providing funding for young researchers at the start of their careers. An important element in what we fund is the infrastructure and key posts within Universities and so I am delighted that, during the year, we have continued to fund the University of Liverpool Cancer Research Centre along with announcing new packages of funding for key posts at the Lancaster University and Bangor University.

During the year, the Charity appointed a new Chief Executive Officer, Alastair Richards who joined the organisation in

February 2017. He has assisted the Board with its governance review along with putting in place a new strategy with a plan for growth and development.

The staff of the Charity have had a challenging year and I thank them for their dedication, hard work and success.

As with many charities, we continue to be reliant upon our donors and those who kindly leave us legacies. NWCR also has the pleasure of having in place Branch Committees who provide excellent support and continue to develop their presence in towns across our area. There has also been excellent support by Patrons, Ambassadors and many volunteers.

I look forward to the coming year with optimism and believe we are well placed to face the future challenges.

We will continue to invest in understanding the causes of and cures for cancer



NORTH WEST CANCER RESEARCH

CEO'S STATEMENT



Alastair Richards
CEO

Welcome to the Annual Review for 2016/17.

It's been a year of tremendous change for North West Cancer Research but one in which the Charity has made resolute progress to advance our vision of achieving a cancer free future.

Looking at our accounts for the year, we have invested £4.1m into research – that's more than ever before - which is a clear statement that we are determined in our efforts.

Within the £4.1m of research grants which the Charity has committed to are some investments which we're making to ensure that the research infrastructure in our area is strong and capable for the future. At Bangor, we're working with the University and the local Betsy Cadwaladr Health Board to

With your help
NWCR will
continue to
carry out
ground breaking
research into
cancer

provide a clinical chair of cancer research. They will be supported by a lab manager, a lecturer and PhD students in a NWCR-funded package which will strengthen the research community in North Wales. At Lancaster, we're supporting the University to recruit a new lecturer and fellow in cancer research with funding provided for five years.

This kind of investment is different to the projects which we have funded for many years but it is helping to ensure that we have a growing number of world-class scientists performing ground-breaking research. Our success in this was shown in the sheer number of excellent project applications which we received during the year.

Any review of the last year should note the changes in both the Board of Trustees and the staff team. In April, our governance review created a new and slimmed down Board with eleven trustees. This meant that many supporters stepped down from the Board and I want to take this chance to sincerely thank them for their long-term support and commitment to us. They remain close to the Charity and have become life members. The new Board will drive forward progress and ensure that the Charity goes from strength to strength.

Amongst the staff we have said goodbye to some who have given long-service and I thank them for their contribution. The year has been one of consideration with a great deal of thought going into what we will fund, how we position ourselves and how we get ready for the future. During 2016/17, the Board agreed a new strategy along with a new structure with an investment in staff, systems and resources. We have welcomed in a new senior team who are already providing direction and, as we start the new year, the charity has for the first time a Marketing and Communications Strategy and a Fundraising Strategy in place. As a supporter I am sure that you will soon start to see the difference these documents will make.

Finally, let me finish by thanking you, our supporters, for your unwavering and dedicated support. During my first year it has been a real pleasure to meet so many of you and to see your commitment to the battle against cancer in our area. It has been 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.



NORTH WEST CANCER RESEARCH

North West Cancer Research 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 complex areas.

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 are for funding and what information they will need to provide in a funding application.

The RSG also considers funding for posts within academic institutions and this has been a significant area of work during 2016/17.

The funding for the University of Liverpool Cancer Research Centre was first approved in 2014 and was due to expire during 2017. The RSG worked closely with both the Board of Trustees and the University to ensure that the funding was renewed through to 2022 with the centre providing 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 five years.

REPORT OF THE SCIENTIFIC COMMITTEES



Nigel Cunliffe
Scientific Committee
Chairman

Five-year funding has also been provided to Lancaster University for a lecturer and Fellow in cancer research, along with two PhD students. This will strengthen their cancer research work and should lead to the development of further projects from Lancaster. Finally, the RSG worked with Bangor University to move forward the appointment of a clinical chair of cancer research who will work across both the University and the local hospital to improve both research and patient outcomes.

The group looks forward to the continuing development of the Charity in 2017/18 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 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.

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 Group met twice during the year and approved a number of project grants based upon scientific merit and overall international excellence. At the January meeting, the Group reviewed 11 applications and approved two. Pleasingly, the July 2017 meeting was particularly notable due to the large number and quality of the applications. In total, 22 applications were received and five were rated as being of the very highest quality and therefore received funding.

In addition, there were a further three applications from Liverpool based researchers which were very close to this level and were felt to be of merit. The Charity approached the University of Liverpool about these three applications and they kindly agreed to fund them through endowment funds passed to the University by NWCR in the past. This meant that skilled researchers were retained in the North-West but also that potentially life-saving research was able to continue.

In all it has been a notable year for the SAG. The seven projects funded by NWCR combine to give a massive £1.3m boost to research. In addition, the funding

of three projects by the University of Liverpool unlocks a further £559,000 of funding. Within the projects, were a number targeted at fundamental research along with projects which look at specific forms of cancer such as melanoma and neuroblastoma.

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.

How we allocate our 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 SAG 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 five is required for the application to be funded. Some applications that have potential but don't reach a score of five, 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.

To find out more about our application process and to view the 2018 Research Strategy please visit:

www.nwcr.org/applyforfunding

Achieving
the best local
research for a
cancer free
future.

CURRENT FUNDING

Lancaster

Genome wide screening for modifiers of TopBP1 replication and checkpoint functions

Dr Price

£103,365 / three years

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

Dr Copeland

£123,121 / three years

Summer Studentships at the Division of Biomedical and Life Sciences

Dr Ginger

£15,600 / two years

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

Dr Mort, Dr Allison

£251,263 / three years

How does p53 link DNA damage signalling to innate immunity?

Dr Unterholzner

£203,400 / three 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 five years. It has been match-funded by Lancaster University.

£441,296 / five years



Dr Sarah Allinson
Director of Research,
Biomedical and Life
Sciences, Lancaster
University.



BANGOR
UNIVERSITY

Cancer Research
activity which we're
currently funding.

CURRENT FUNDING

Bangor

Functions of mismatch repair proteins in the cellular response to nucleoside analogues

Dr Fleck

£164,190 / three years

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

Bangor structural development funding

This programme provides funding for the appointment of a Clinical Chair of Cancer Research at Bangor University, along with a Lecturer, post-doctoral lab manager, and two PhD students. This will be for five years with around 30% of the funding being provided by the Betsy Cadwaladr Health Board.

£1,348,609 / 5 years





UNIVERSITY
OF LIVERPOOL

Cancer Research
activity which we're
currently funding.

CURRENT FUNDING

Liverpool

Impact of tumour-associated myeloid cells on cancer stemness and chemotherapy resistance

Dr Schmid, Dr Costello, Prof Coupland

£140,934 / two years

The North West Cancer Research Chair of Molecular Oncology

Dr Palmer

£500,000 / five years

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



NORTH WEST CANCER RESEARCH

Liverpool

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

£194,420.02 / 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

CURRENT FUNDING

S18-phosphorylation controls catalytic activity of the cancer-associated deubiquitylase USP7: defining the implications for cancer biology and USP7 inhibitor therapy

Professor 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 Falciari

£195,288 / five 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, Professor Paul Losty

£117,382 / three 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

North West Cancer Research Centre

The funding provides support for a Centre Administrator, a rolling PhD Studentship programme, the LCRIN co-ordinator and support for the Research Development Fund. This funding was extended in year to 31 December 2017 at a cost of £84,250

£835,232 / six years



NORTH WEST CANCER RESEARCH

We will create
a healthier
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the next
generation.



FUNDRAISING



FESTIVE FUNDRAISER ONCE AGAIN RAISES THE ROOF

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

An audience of special guests, fundraisers and supporters shared the spirit of Christmas with carols led by the Birkenhead Operatic Society Trust. The event took place in the stunning Lutyens Crypt at Liverpool's Metropolitan Cathedral.

Special guests in attendance at this year's Concert for a Cure included; Dame Lorna Muirhead and Lord Mayor of Liverpool Cllr Malcolm Kennedy as well as a number



of representatives from NWCR fundraising committees.

Researchers from University of Liverpool and Lancaster University gave special readings and highlighted how North West Cancer Research is supporting projects across the North West and North Wales.



The event has been a highlight of the NWCR calendar for a number of years and continues to delight audiences as they prepare for the festive season.



NORTH WEST CANCER RESEARCH

WIRRAL BAZAAR SPREADS CHRISTMAS CHEER WITH RECORD BREAKING FUNDRAISER

More than 2,500 people got into the Christmas spirit at the annual Wirral Bazaar in aid of North West Cancer Research.

The two-day event held at Thornton Manor raised an incredible £34,000. With over 60 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.

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 attending, people made a huge difference.



Visitors enjoyed a performance by the SingMeMerseyside Choir as they made their way round the marquee.

The Wirral Bazaar was first organised by local resident Lady Borringdon at Heswall Hall in 1989, with a dedicated group of volunteers taking on the responsibility ever since.

The volunteer committee, their army of friends and family, corporate supporters - The Mitchell Group, Cammell Laird, Investec Liverpool, Thornton Manor and Jackson-Stops&STAT Chester, have ensured the continuing success of the fair.

Over the past 27 years the Wirral Bazaar has raised £364,000 for North West Cancer Research.



FUNDRAISING

A WIDOW'S WALK FOR LIFE IN MEMORY OF HUSBAND WHO DIED FROM PROSTATE CANCER

A widow from Liverpool has made a promise to walk two miles or more every day to raise money for life-saving cancer research, after she lost her husband to prostate cancer last year.

Laura Garnell, from Aigburth, has covered more than 400 miles in just six months to support NWCR. The 65-year-old retired property landlord, decided to take on the challenge after her beloved husband George Garnell died of prostate cancer on 2 November 2016.

After her husband's death Laura turned to her love of walking as a form of therapy. When she read about North West Cancer Research in a local newspaper, she knew then that she wanted to do something to help prevent others from going through what George did.

Laura said: "I've been doing this for almost six months now, only missing a few days when I've been ill. On days

when the weather has been bad I've got my walks in on the treadmill. I walk all over. Mostly around Sefton Park as it's a beautiful spot near where I live and I often walk to the shops in town and back again.

"Everyone has been so supportive. My brother and sister and even my four-year-old nephew have joined me on a few of the walks. My granddaughter Abbie has walked to town and back with me on her school holidays and on the way back we light a candle in the cathedral for grandad George.

"While I've never asked for money directly, lots of people have been extremely generous and made donations to the charity.

"What I am doing is just a small challenge compared to what George and others living with cancer have gone through, but if the money I raise can help even just one person, then it will be a success."





NORTH WEST CANCER RESEARCH



With the support
of our local
community we
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healthier future
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FUNDRAISING COMMITTEES

AUGHTON COMMITTEE

We held our Christmas coffee morning on 22nd November 2016 in the W.I. Hut which is our usual venue for our coffee mornings. Although the number of our supporters attending is diminishing, we managed to raise £628.30 from the sale of items on the various stalls i.e. bric-a-brac, books, cakes, cards and NWCR Christmas cards plus we had a number of good prizes for the raffle. We charged £2 admission which included a cup of tea/coffee and a mince pie.

Our Easter coffee morning held on 4 April 2017 again in the W.I Hut with the usual stalls raised £509.

Mr & Mrs Berry (relatives of one of our committee members) held a luncheon at their home on the afternoon of 16 March. The event was a huge success and our very grateful thanks were conveyed to Mr & Mrs Berry, especially as the event raised a staggering amount of £1,054.

On Saturday 29 April most of the committee took part in a collection at Booths store in Burscough and collected £270.

Our summer coffee evening was held on Tuesday 4 July in Aughton Institute. Although there were fewer than normal supporters, we raised £493.

We were granted permission to hold a collection in Morrisons store in Ormskirk town centre on the 14 September and we raised £176.

We held a race night on Friday 22 September at St. Anne's Social Centre, Ormskirk. A fun night was enjoyed by children and adults alike and we raised £471.

We have received donations from MLS Independent Funeral Directors through the year which have totalled £1,738.

One of our committee member's husband had to give up his hobby of fishing due to health problems so sold his rods and other equipment, with the results of the sale donated to NWCR. An impressive £1,525 was raised.

Our Treasurer, Mrs Shirley Evans still works hard at sorting out used postage stamps which she collates and sells on Ebay to raise funds for NWCR. Our grateful thanks go to Shirley for continuing to carry out this time consuming exercise.

We are very grateful to Barclays Bank for their generous support in match-fund the amount raised.



NORTH WEST CANCER RESEARCH

BLACK JACK & BOW TIE COMMITTEE

We're a small committee with a big commitment. That said, we're incredibly lucky to have a wonderful circle of friends who we call upon from time to time to help us put on our events. Since starting our fundraising journey we're quite pleased with our contribution to the charity, having raised in excess of £60,000 since 2007.

It was a different year for us in 2017. We tried some new things and brought some new people on board to help us to raise money.

Instead of our usual 'Black Tie' affairs, we held an outdoor fun day; we had



all sorts of games, rides and thrills for young and old. We even had the local fire & police in attendance, allowing everybody the chance to explore the vehicles and ask lots of questions. So successful was the day, that we've been asked to do it all again this year!

We also had people doing sponsored runs, playing in charity crown green

bowling competitions and we received the odd donation too.

We've now started planning for 2018, with plans for a race night, more bowling, a fun day in July and even a New Year's Eve party in December to name a few – all different but very exciting!

BLACKPOOL GROUP

Although this year has been one of our toughest, we have still managed to raise £4,500 for NWCR.

Our Chairman Roger Tretton who set up the Blackpool group 10 years ago after his father died from cancer, has

stepped down from being Chairman this year due to other commitments. Roger is proud to have helped raise over £70,000 for NWCR whilst he has been Chairman. We wish to thank Roger for all his efforts and commitment.

We welcome Donna O'Rourke who has now

taken this position and wish her every success. Donna has been a member of the committee for three years and was previously Secretary. Thank you to all volunteers for their continued good work and loyal support during this challenging time.



FRODSHAM

The committee's main fundraising events during this period have been the Spring and Autumn Lunches which were held in Frodsham Community Centre, they again proved popular and tickets were in high demand.

In the autumn, over a hundred people sat down to a salad lunch followed by a mouth-watering selection of desserts, all 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. The event raised a fantastic £2,100.

We even showed Storm Doris that we were unstoppable when it comes to organising our events. Catastrophe hit when the roof was blown off Frodsham Community Centre and the Spring lunch was cancelled. Our supporters were great and 116 people sat down for a delicious two-course meal a few weeks later and the event raised £1,625.

The committee appreciated the help and support given to us at these events by husbands, partners and friends. Their help collecting orders on the day, preparing food, serving wine, setting up and clearing away 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 theme stall and a card sales table.

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

In January 2017 we heard the sad news of the death of one of our former members Joan Kefford who had been the secretary for many years and made an invaluable contribution to the committee.

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



NORTH WEST CANCER RESEARCH

HARLECH COMMITTEE

Despite being a small rural community, the Harlech Committee has managed to raise over £5,000.

Our annual coffee evening, which is always held on a Friday evening in June, to enable local families who are working to attend was a great success. Entertainment in the interval was provided by young musicians from the local school which is always an attraction for parents and grandparents. With various stalls & a grand draw raffle, a significant amount of money is usually raised. We also invited NWCR CEO, Alastair Richards who gave an excellent update on recent developments at the charity.

A local lady, Jane Taylor-Williams, very bravely had her head shaved in aid of NWCR. This was done in the depths of winter and in memory of her sister who sadly died of pancreatic cancer. A local hairdresser, Rachel Greenfield deftly carried out the head shaving with a large audience in a local pub! Jane managed to raise an impressive £1,700 for NWCR.

Our local annual NWCR dinner sees supporters join committee members to reinforce the importance of the work done by local groups. The event also raises money through raffles and donations. This year we invited Dr Edgar Hartsuiker from the Faculty at Bangor University to give an overview of the exciting recent developments and initiatives in cancer research. Dr Hartsuiker also encouraged local supporters to visit the NWCR Institute





at Bangor for an insight into the research work currently being done. Some members of the committee have had the privilege of a visit to the Faculty and know it is a fascinating experience. As quite a few people in the audience were interested, we are currently organising a visit in the spring.

We have also been selected by the Captains at the local Royal St David's Golf Club, Harlech to be one of their nominated charities for the year. Special thanks to Mair Eluned and Edwin for their support at the Golf Club with this.

NWCR Christmas card sales always help us to raise a significant amount of money and thanks go to Eirlys who always starts to sell the cards early from October onwards.

We also received a number of donations throughout the year in memory of loved ones as a lasting legacy. We find relatives are often now asking for donations rather than flowers. It is also helpful that local undertakers are aware of NWCR and its profoundly important role in the fight against cancer.

Grateful thanks to our committee members, volunteers & supporters without whom we could not raise the money. Also a big thank you to Jack – our previous secretary who is always there as a constant source of advice & support. Finally, a sincere accolade goes to our Acting Chair, Ann Myfanwy Jones who has given many years of devoted service to the charity.



NORTH WEST CANCER RESEARCH

HOLYWELL

We started our year with a charity shop in Holywell which raised a fantastic £1,020. In November, our Chair Joan Davies visited Bangor Research, along with Lord Mostyn and NWCR Chairman, Nigel Lanceley.

We held two collections in our local branch of Lidl supermarket, which made £1,144. A big well-done to the generous customers of Lidl!

One of our main events was a Ladies Luncheon held in March on International Women's Day. We sold all of the 120 tickets available and the event was a great success. The speaker was excellent, a nursing Sister who served in Iraq and Afghanistan who told us of the highs and lows of army life, with plenty of humour thrown in. As well as it being an entertaining and interesting afternoon, we also raised nearly £1,100.

We are once again marking International Women's Day by holding the Ladies Luncheon in March this year at Stamford Gate Holywell.

A 'Pimms and Posies' evening took place in May, followed in July by our annual golf day at Holywell Golf Club, which is always a good fundraising event with plenty of laughs and banter! We sell raffle tickets on the day and encourage our golfing friends to take part. The event usually raises over £2,500.

We had two members of our committee that celebrated their 90th birthdays so we held a celebration luncheon at the Cherry Pie Nannerch for past and present members. Our birthday girls were Joyce Hewitt (founder member) and Rose Jones and a great day was had by all. Individually, they kindly raised monies in lieu of gifts and donated the money to NWCR.

Fund raising is never easy and sometimes seems that it is getting harder but with a smile and a joke or two between all our members, we carry on raising money for vital research by NWCR in our area.



2016/17 has been another successful year for the Kelsall Committee, raising a fantastic £5,000.

We began our year with an always popular jumble sale in October, an event we also repeated in March.

We were lucky to be asked to help run the Kelsall Beer Festival. The organisers donated part of the takings to us and we were delighted to raise £1,400 from the event and a great day was had by all!

LUNESDALE

The number of villages included within our group has dropped again this year as age and illness take their toll. It can be hard to replace members with younger, more active people. However, we are optimistic that once we have a member of NWCR staff based at Lancaster University who will be raising the profile of our local cancer charity, it will assist us greatly.

The remaining villages have worked with enthusiasm to bring about a very varied programme of fundraising activities. Barbon held another very successful 'Daffodil Day' at the beautiful home of NWCR patron, Henry Bowring. Despite the rather

KELSALL

The highlight of our fundraising calendar is our charity gala held in May. We have held our spring gala for the past 39 years and it has raised hundreds of thousands of pounds for life-saving cancer research. This year, pupils from Kelsall Primary School Year Six class were invited to put themselves forward for the honour of May Queen. The winner, was crowned by NWCR Trustee, Professor Ross Sibson.

miserable weather this raised £1,500.

Casterton hosted a variety of events including the very popular plant sale which was supplemented by another plant stall later on. They also held an 'Old Bags Party', not a description of anyone attending but rather a huge selection of donated handbags and accessories! Donations from a 70th birthday celebration rounded up their total to a wonderful £1,550.

Kirkby Lonsdale held an unbelievably successful Christmas Fair which provided £2,000, evidently a very popular event for Kirkby residents.

Sedbergh and Silverdale have a tried and tested

As well as the May Queen Parade the gala festivities included a six-a-side football tournament with local primary school teams, a space hopper race organised by Active Cheshire and a selection of stalls selling crafts, plants, vintage products and books. Held at Kelsall Primary School, this year's gala raised over £2,500.

We would like to say a big thank you to everyone who came along to our events and gave so generously.

routine of coffee mornings which are obviously in the diaries of local residents and suitably well-supported, with takings boosted by the sale of NWCR Christmas cards.

Warton has a varied programme, the highlight of which is the 'Open Gardens' which must have been quite a challenge this year with our uncertain weather! Despite this, they welcomed a great number of people to view the stunning gardens.

Finally, Tunstall raised over £500 at a coffee morning hosted by the local W.I. as well as holding a fun quiz as a community event/fundraiser.



NORTH WEST CANCER RESEARCH

LLANFAIRFECHAN, ABER AND BANGOR

2016/17 was very successful for the Llanfairfechan, Aber and Bangor committee as we raised nearly £14,000. We have been very lucky to have three new members join us and it has also been a great pleasure to welcome both the Chairman Nigel Lanceley and the CEO Alastair Richards to our meetings.

During the year we have held numerous fundraising events including a bingo evening, quiz night, the annual Aber Open Gardens & BBQ and a Nearly New Shop. The Butterfly Boutique in Menai Bridge held a very successful NWCR day during August and we also had our usual instore collections at the Co-op in Llanfairfechan, Tesco in Bangor and Llandudno Junction plus committee members and friends spent a couple of days in Ysbyty Gwynedd selling NWCR Christmas cards and more importantly, raising the charity's profile. As always we are very grateful to the individuals and local businesses who have donated prizes for our raffles.

This year we have been very fortunate in the donations of paintings given to the committee, we raised money by



selling calendar dates – one of our committee members was even the lucky winner of one! This in addition to donations in memory of loved ones also added to our total.

Members of the committee were also present at Bangor University's Brambell Building open day in March, which was a great success. The day was once again a great opportunity to raise the profile of NWCR and the fantastic work carried out under the leadership of Dr Edgar Hartsuiker in Bangor.

Penrhyn Male Voice Choir based in Bethesda, held a concert in Llanfairfechan and they very generously invited our committee to run a raffle during the evening.

In April, the committee was invited to Llanfairfechan Golf Club and we were astonished to be presented with a cheque for £5,000, the proceeds of their year-long charity fundraising for NWCR.

The committee are now looking forward to an equally successful 2017/18 and the events we held during September; a Fashion Show and Snowdon Summit Walk have ensured an excellent start to our 2017 fundraising.



LYDIATE COMMITTEE

The Lydiate Committee has had another successful fundraising year, with the highlight once again being the very successful Classic Car Show. Having become a firm favourite with classic car enthusiasts across the region, this fun, family day featured over 350 classic cars and bikes and was held in July. As usual, the day took place in Lydiate Parish Hall and featured a vast array of cars, bikes, buses and military vehicles as well as some great indoor toy and charity

stalls, café, cake bakes and more. The event raised a staggering £4,500 last year and was thoroughly enjoyed by all who attended. Plans are now well underway for the next show.

Our monthly Attic Sales are also well-established and are held on Tuesday afternoons at Ince Blundell Village Hall. They have proved very popular with people enjoying the various stalls and goods on offer.



MACHYNLLETH BRANCH

The first event of the season in October was our popular annual coffee morning which raised £1,100 and was a very successful social event for the community. Christmas craft fairs were well attended in November and December and as well as selling the NWCR Christmas cards, money was also raised selling mince pies and handmade Christmas decorations.

Our annual street collection followed in August raising an impressive £890. We are very thankful to all those members who helped raise this wonderful amount. The committee is also very grateful to member Mrs

Margaret Evans and her friend Liz Tomlinson who held several whist drives during the year and raised the amazing amount of £1,155. We were very pleased to transfer £3,700 to Head Office this year and appreciate all the support we have had as a committee. The committee officials wish to thank all the members for their effort and dedication during the year.





NORTH WEST CANCER RESEARCH



MOLD COMMITTEE

It has been another busy year for the Mold Committee, which saw us hold a variety of events from coffee mornings to lunches. We had two lunches this year, one in the early summer, the other in Autumn. At both lunches we cater for 90 people, providing a two-course lunch and a glass of wine. This year we had fantastic entertainment by a young, up and coming local singer, Laura Wilson and from the students of Ysgol Bryn Coch Choir, one of our local primary schools.

There were a number of sporting activities this year. We organised a group of people to take on the National Three Peaks Challenge in June. This is a tough event where participants climb Ben Nevis in Scotland, Scafell Pike in England and Snowdon in Wales in just 24 hours (including driving time!) It was a hard challenge mainly because of the lack of sleep and sitting in a mini bus for hours in between the mountains. Getting out of the mini bus at 4am to walk up Scafell Pike having walked up Ben Nevis the previous evening was not particularly appealing but it had to be done. It was all worth it though with the group raising over £9,000.

Also this year, Emyr Gibson ran the London Marathon raising over an amazing £4,500. Carrying on the sporting challenge theme, Jayne Boyd walked the Camino de Santiago trail, raising over £500.





For something a bit different we had a fashion show, supported by Simmi Womenswear in Mold. It was held at the Plas Hafod Hotel with entertainment provided by Cor y Pentan. Simmi provided the fashion show in which a couple of our committee members volunteered to become models for the evening!

The Mold Committee would like to say a big thank you to everyone who has supported us again this year, either by attending one of our events or holding their own events like coffee & mince pie afternoons, BBQs, races night, all in aid of NWCR. All the fantastic local support that we receive has helped us to raise £34,500.

On a sad note, we recently lost one of our most prominent committee members, Mrs Beryl Powell MBE. Beryl had been the chair of the Mold committee for the majority of her 50 years of fundraising. She was a real driving force on our committee, helping to raise hundreds of thousands of pounds for NWCR. Not content with that, she also raised funds for the local community hospital and her local Church. She was an amazing lady who people always 'pulled out all the stops' to help. She is a great loss to the community of Mold.





NORTH WEST CANCER RESEARCH

NESTON COMMITTEE

2016/17 has been a year of huge change for the Neston Committee. At our AGM in October we said goodbye to four stalwarts of the Committee who, between them have dedicated 163-years of service to North West Cancer Research. Anne Halewood, Jean Benbow, Shelia Gill and Myrna Hampton all stepped down and handed the baton to a new generation. Our thanks go out to them for all of the time and effort they have put into running events and raising money. Mention should also be made of Ron Berg who helped in preparing and auditing the Branch's financial returns for over 20-years. His help has been greatly appreciated.

During the year, the Committee raised £6,000 through coffee

mornings, afternoon tea, selling Christmas cards, various collections and the kindness of donors. We remain indebted to our friends and to the local community at Neston for their support and for turning out so faithfully to support us.

Looking to the future, the remaining four Neston branch members are looking somewhat uncertainly at the future. The new group ran its first event, a coffee morning in October and we were delighted that over 120 people came along to support us. However, as a relatively small group we are also short on volunteers, willing hands and people who will sell tickets to their friends and family. Careful thought will be needed as to how we move forwards but we remain committed to supporting the fight against cancer in our area.

RUTHIN COMMITTEE

The Ruthin Committee raised £6,858 for the financial year 2016/2017.

We started our new year in October, 2017 with a new Chair, Mrs. Janet Williams, who succeeded Mrs Ann Jones who decided to step down as Chair after an incredible 31 years in office! Ann thankfully is continuing as a committee member and all our thanks go out to her for being such a tremendous Chairman.

The Ruthin Committee once again organised a

variety of events over this period including a Christmas coffee morning which raised £652, a soup and cake lunch which raised £355 and a flower arranging evening in June which raised £423.

We also held bucket collections in Tesco and Co-op which raised £351, as well as a coffee morning in September which raised £542.

These funds were supplemented by £315 received from In Memoriam donations and a further £2,700

from other bequests. An amazing £1,259 was raised through collection boxes, thanks to the hard work of Mr. David and Mrs Shelagh Jones.

Thanks go to all of our Committee members for their hard work during the past year, together with all of our loyal supporters, without whom we would not be able to donate such a sum.

We look forward to a full round of events next year when hopefully we can increase our donation to this very worthy cause.

SOUTH CHESHIRE

As usual, our first event of the year was the Christmas Fair at Mrs Wooley-Dodds stunning new barn conversion at Edge Hall. Mrs Wooley-Dodds is a great supporter of our work and we have been lucky enough to have had two other events at her

previous home. The event was held in November and was a great success with The Coach House acting as a lovely venue. In spite of the pouring rain we made a profit of £1,351.

Although we have had a quiet year since then, a few of our members held their own small events

and raised a surprisingly large amount of funds. The events included bridge lunches and teas, coffee mornings and more.

The committee would like to thank all its dedicated members, supporters and the local people who attended the events.



NORTH WEST CANCER RESEARCH

SOUTHPORT

We're celebrating another successful year of fundraising activity here at Southport. Our events have proved popular again with all the committee ladies working tirelessly to organise and deliver an exciting calendar of events and we are proud to say that this year's fundraising efforts have raised an impressive £25,000 for the charity.

Special thanks to Mary Lomax, who hosts a luncheon club, and has done for many years now. Thanks must also go to our new secretary, Val Donaldson, along with Mel Tarplee who helps out. A big thanks to Sandra, who keeps our books in order, and is always on hand at each event. We are a team and we have an amazing committee.

We once again held our popular 'Call My Bluff' themed wine and cheese evening, which grows in success every year and raised an impressive £3,5000 this year with the valued support of Barclaycard who matched the amounts raised.

Another fantastic night was had by 170 guests at a tribute event for the late, great Cilla Black. After enjoying a prosecco afternoon tea, guests were treated to Cilla's greatest hits from the award winning tribute act. The event raised more than £1,000 through ticket sales and raffles. We would like to extend our gratitude to Hillside Golf Club, who have kindly supported us by allowing us to host both events free of charge for two years running.

We have also enjoyed fundraising with our friends and families this year and it's been fantastic to see younger people getting involved in the cause. Isobel, the granddaughter of our Chair, Olive Cutts has raised an amazing £470 by turning her front drive into a cake stall and selling hundreds of cakes, as well as joining our Easter fundraising efforts by creating knitted, chocolate filled chicks – she's well on her way to becoming a welcome member of our committee!

July saw our summer sparkle event take place, with more than 100



guests gathering for a variety of stalls including silk arrangements and homemade produce as well as enjoying a glass of bubbly and a selection of canapes.

We finished the year with a sell-out banquet at a well-known Chinese restaurant, Ho Lee Chow's on Rotten Row where we feasted on a range of authentic Chinese dishes.

Planning is well underway for next year and we have exciting plans for a Christmas fair, fashion show and ladies luncheon so far. We are looking forward to another successful year supporting North West Cancer Research.



TYWYN AND DISTRICT

Our fundraising year began with a 'Skittles Night' during March and everyone present had a fun filled evening! This was quickly followed by our annual Flag Day street collection on Easter Monday.

We unfortunately lost our Chair, Mrs Eileen Ellis following a brief illness. Eileen had been Chair of the committee and an enthusiastic member for over 30 years, she will be sadly missed by us all.

Our two coffee mornings held in May and August proved to be as popular as ever and it was lovely to be able to welcome our new CEO, Alastair Richards at the August coffee morning.

We were approached by two young and fit ladies, Mair and Debbie, both having lost friends to cancer who volunteered to cycle from North to South Wales over successive

weekends. Their amazing efforts raised nearly £ 1,400 and we are very grateful for their efforts.

At Tywyn, we are fortunate to have a hard working and enthusiastic committee who managed to send £ 4,020 to Head Office We are also grateful for the support from friends of the committee who are always eager to help at events.

We welcomed Mrs Ann Fleming as our new Committee Chair, Ann being one of our longest-serving committee members, we all wish her well in her new role. We were also delighted to welcome Carolyn Jones to our committee, Carolyn has helped us on many occasions recently.

We are already planning for 2017-2018 events and we are very grateful to local residents and holiday-makers who continue to support this worthy cause.





NORTH WEST CANCER RESEARCH

WREXHAM

This is the fourth report from the Wrexham Committee and we are pleased to report that we have continued to raise funds for NWCR despite still being probably one of the smallest committees in the organisation! There are still only three of us but we have good family and friends who always have the charity at the front of their mind when raising money. This has meant we have been able to bank £5,620 this year.

In particular, Gloria Belton continues to support us with her friends at Wrexham Inner Wheel and we started the year with a generous donation of £100. Sales of Christmas cards, raffle tickets, Strictly Come Dancing sweepstakes and collection tins added to our bank balance. Thanks

to our local pub the Cunliffe for holding our collection tins. Thanks also go to Sue Walls, who kindly makes fabulous handmade cards and donates all proceeds to NWCR.

In January 2017, we were again so fortunate to be invited back to the Royal British Legion in Llay, to receive an extremely generous cheque from Pat Taylor and her committee. Pat has been consistently raising money for a number of years in her local area and we were amazed to be given another cheque for £2,650. Pat is an incredible woman and we cannot thank her enough for thinking of us again.

In April 2016, our good friend Mark Parry ran his first ever marathon in London to raise over £1,800 for NWCR. Mark's best friend Liam McIntyre was so inspired by his

efforts he himself ran the London Marathon in April 2017 raising an astounding £2,004 for NWCR. Liam showed such commitment and strength of character and we are forever in his debt for his selfless act.

The most exciting contact we made last year, was meeting Year 8 pupils from Castell Alun School in Hope. NWCR has been selected as one of the school's chosen charities for the forthcoming year and we were delighted to be asked to the school assembly, not only to talk about the charity but also to receive a generous cheque for £585. Kalum Guest, Charlie Jones, Rhys Jones Dodd and their friends cycled more than 40 miles around the school track, held cake sales and raffles and the three boys also shaved their heads at the end of term. Head of Year 8,



Mr Neil Eve has assured us of their continuing support over the next year. We cannot thank the boys enough for their fantastic efforts in not only raising money for NWCR but also raising awareness of the charity. Young people like this are the future of the charity.

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 has just been discharged from his care after having her 5 year all clear. We are indebted to all medical staff who have supported us on her journey to full recovery and we are thrilled to be able to have a further opportunity to support this wonderful charity. Thank you to everyone who has helped us over the past year. Every penny counts.



We will create a
healthier future
for the next
generation



NORTH WEST
CANCER RESEARCH



SCIENTIFIC UPDATES

NORTH WEST CANCER RESEARCH CENTRE@ UNIVERSITY OF LIVERPOOL

Prof. Sarah Coupland
(Centre Director)



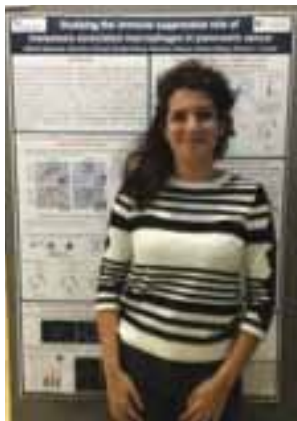
Since forming a partnership in March 2014 to establish the Cancer Research Centre, both NWCR and the University of Liverpool (UoL) continue to celebrate its success.

In the last 12 months, the Cancer Research Centre has grown in size and strength with three new PhD students, five successful Research Development Fund (RDF) project applications totalling £49,015 allocated and a record 12 RDF travel awards being awarded.

During this period, cancer researchers in Liverpool published 220 papers,

approximately half of which were focussed on the mechanisms of cancer development and the identification of new therapeutic targets and treatment strategies. The remaining half were clinically related publications describing optimal strategies for cancer patient care, patient responses to new drugs and surveys helping to understand the experience of patients with cancer.

The weekly NWCR seminar series has been very well-attended and these are live streamed to sites at Leahurst, Lancaster, Bangor and Chester Universities.





NORTH WEST CANCER RESEARCH

The Cancer Research Centre exhibited at another successful NCRI Cancer Conference in Liverpool - highlighting its innovative world-class research into detecting, treating and preventing a range of cancer types and improving the quality of life and palliative care of cancer patients.

The Centre has been involved in a number of outreach activities as we look to engage different communities. In April, the Centre held a very successful NWCR Centre@UoL Annual Scientific Symposium at the Victoria Gallery & Museum. Attending this were twelve sixth form students as special guests thanks to funding from the University's Widening Participation Wellcome Trust grant.

The students from Calderstones School, North Liverpool Academy, Notre Dame Catholic College and Archbishop Blanch School, heard from a programme of top speakers, all leaders in their fields of cancer research from the Universities of Bangor, Dundee, Glasgow, Liverpool, Lancaster, and Southampton. They also took part in a 'behind the scenes' look at the world-class research labs at the University of Liverpool, as well as the university's sports facilities, linking the science with healthy lifestyles.



SCIENTIFIC UPDATES

Later in the year, Valeria Quaranta, Lucy Ireland and Thomas Leather all participated in a filming session to provide an overview about their work, studying at the University of Liverpool, and support from North West Cancer Research.

The growing Youth Academy provides high quality PhD training based on the exceptionally strong research expertise within the Centre.

In July, the NWCR Centre@UoL participated in the Faculty of Health Life Sciences 'Meet the Scientists' event at the World Museum Liverpool. In total over 800 people attended the outreach event and it was very well received. The children also had the chance to take part in live demonstrations and workshops. The activity, 'Cracking Cases! - examining skin cells and tissues under a microscope as a disease detective' was followed by 'a day in the life' of a Histopathologist looking at and diagnosing skin cancer.

The work station demonstrated how a melanoma is diagnosed,



removed and treated and included examples of photos, permanent fixed sections and the chance to look down the microscope. The event raised much-needed awareness about staying safe in the sun.

Notably, the Centre was awarded a further million-pound funding boost in October 2017 thanks to a successful application to North West Cancer Research. The investment includes provisions to fund pioneering research which will benefit cancer patients in Liverpool and across the North West, as well as supporting the next generation of researchers. This additional funding through to 2021 will enable the NWCR Centre@UoL to double its efforts in working with the people of Liverpool-Merseyside,

the Liverpool City Council, the Hospital Trusts and Liverpool Health Partners to help address the serious health challenge that Cancer represents in this region. The Centre has also been actively involved in patient and public outreach, and aims to engage more closely in future with Industry. We are continuing to work with the people of Merseyside, Liverpool City Council, the Hospital Trusts and Liverpool Health Partners to help address the serious health challenge that cancer represents in this region.



NORTH WEST CANCER RESEARCH

Dr Edgar Hartsuiker.
Group Leader of the
NWCR Research Institute



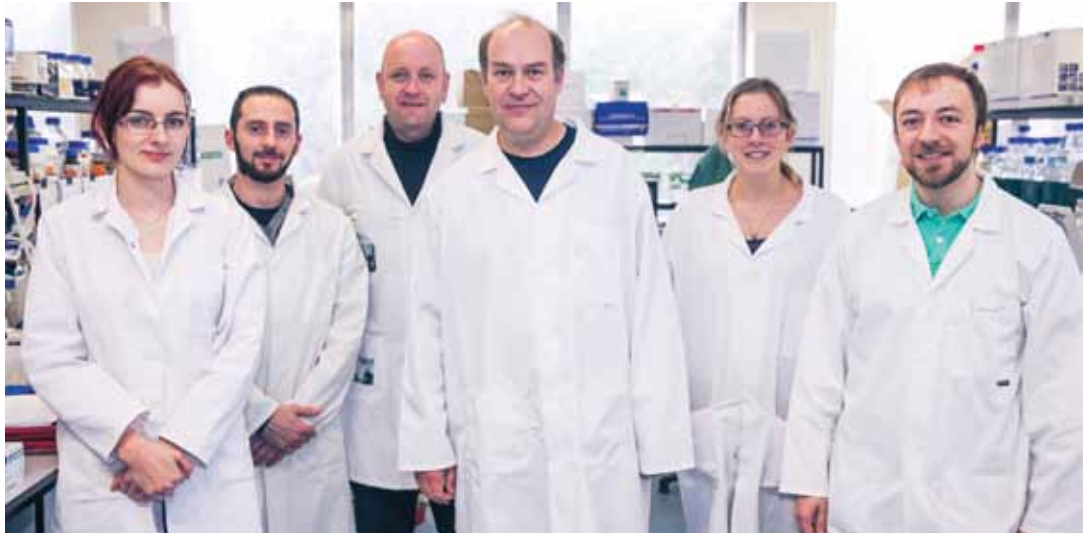
BANGOR NWCR INSTITUTE ANNUAL REPORT 2018

We have had a busy year! We have finally made some progress in recruiting a clinical chair, senior clinical lecturer, a postdoctoral lab manager and 2 PhD students. This major joint investment from NWCR (£1.3 million) and Betsi Cadwaladr University Health Board (BCUHB; £500,000) will allow clinicians to work together with basic scientists in our laboratories and will be a game-changer for our Institute. We had a good response to our expression of interest advert and have selected three promising candidates who will visit us shortly for further discussions.

Several group leaders, 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. This work is funded by various successful applications to the Life Sciences Research Network Wales and KESS2/Tenovus. Apart from these grants, one of our researchers, Dr Rita Cha has successfully obtained another NWCR project grant to study the response to DNA and protein damage. Several group

SCIENTIFIC UPDATES



leaders published articles in the peer reviewed scientific journals Molecular Cancer, Cancer Research (Jane and Ramsay) and myself in Genes.

Bangor University continues to invest in medical and cancer research and the School of Medical Sciences will shortly advertise for two lecturer positions, one in the area of cell biology, the other in bio-informatics.

NWCR is currently recruiting a local (North Wales), Welsh speaking community fundraiser, who will be based in Bangor and work closely together with the Bangor scientists to promote the work of NWCR

and engage with the North Wales committees and the public.

Our open day in March, as part of the Bangor Science Festival's Hidden Worlds exhibition, was again very successful. We had more than 1,000 visitors this year! Thanks to the committee members for helping out again this year. We are looking forward to the next open day on the 10th of March 2018.

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



NORTH WEST CANCER RESEARCH

Dr Sarah Allinson
Director of Research,
Biomedical and Life Sciences,
Lancaster University.



UPDATE FROM LANCASTER UNIVERSITY

This has been an eventful year for North West Cancer Research and Lancaster University, with the Charity providing more funding for cancer research at Lancaster than ever before and some exciting developments that have come about as a consequence of the Charity's long-standing support of our work.

Early in the year, NWCR announced that it would be providing Lancaster with £400,000 of funding to allow us to recruit two new cancer researchers, a research fellow and a lecturer, to establish their research groups at Lancaster. Dr Morgan Gadd, the NWCR Fellow, will be working on developing new drugs that selectively kill cancer cells by turning their own waste disposal systems against them. Dr Andrew Fielding, the new NWCR Lecturer, joins us from Liverpool and will be continuing his ground-breaking work that aims to exploit an unusual feature of how cancer cells divide

up their genetic material, in order to develop new ways of treating the disease.

We're very excited to have Morgan and Andrew joining the cancer research team at Lancaster. NWCR has contributed five years of funding, including support for two PhD studentships, to get them both up and running as independent researchers. This kind of support is really important for young scientists as it gives them the opportunity to work on their own projects and as they develop, make links with other researchers and move into new areas.

NWCR has also helped to develop the cancer scientists of the future by providing another round of summer studentships for promising young undergraduates to work in our cancer laboratories over the summer vacation. Three undergraduates from Lancaster and Bangor Universities spent eight weeks working on cutting-edge cancer research projects under the supervision of our cancer

SCIENTIFIC UPDATES

scientists. Previous recipients of the summer studentships, drawn from our brightest and best undergraduates, have been inspired to go on to study cancer at postgraduate level – a testament to the success of this initiative. We are grateful to the Charity for their continuing support of these studentships.

We were also pleased to welcome Lottie Swinyard to the University, where she will be working towards a PhD under Dr Nikki Copeland's supervision. Lottie has received a PhD studentship through the NWCR Doctoral Training Programme and is working on a project that brings together researchers from both Lancaster and Liverpool to understand how a molecule called Ap4A affects the process by which cancer cells divide to produce new cells.

Another way that NWCR supports research at Lancaster is by providing funding for specific cancer projects. We are grateful to the charity for its continuing support in this respect, with two of our researchers having been awarded project grants following last April's funding call. This funding collectively totalled £450,000 and will support Dr Leonie Unterholzner's project 'How does p53 link DNA damage signalling to innate immunity?' and Dr Richard Mort's project 'Development

of a translational preclinical model for UV exposure and early melanomagenesis'. This has allowed each of them to recruit a scientist to come and work in their laboratories and will also provide funding for the various specialist pieces of equipment and chemicals that they will need to do the work.

Outside of the lab, representatives from NWCR joined us to help out at the University's Community Day in May, which saw budding young scientists make cell cookies and DNA bracelets as well as extracting DNA from strawberries. A fun day was had by all, with the event also helping to raise awareness in the local community of the vital work that the Charity funds.

Finally, it was entirely fitting that North West Cancer Research were the very first organisation to be inducted into our Chancellor's College of Benefactors at last summer's graduation ceremonies. We were very pleased to welcome NWCR Chairman, Nigel Lanceley to the University to receive the award, which recognises the truly transformational nature of the Charity's support for our work over the past two decades. I would like to take this opportunity to once again thank all the various staff and volunteers who work so tirelessly to raise funds to allow us to do the work that we do.



NORTH WEST CANCER RESEARCH



LIVERPOOL CANCER INEQUALITIES RESEARCH NETWORK (LCIRN)

The Liverpool Cancer Inequalities Research Network (LCIRN) aims to explore and understand why people from poorer backgrounds are more likely to develop some (but not all) cancers and are more likely to have worse outcomes once they have been diagnosed with cancer.

At the heart of LCIRN is a partnership between the NWCR-UoL Cancer Research Centre (CRC), the Department of Public Health and Policy (DPH&P) at the University of Liverpool (UoL), Liverpool

Dr Sue Povall
Co-ordinator, LCIRN

Explore and understand why people from poorer backgrounds are more likely to develop some (but not all) cancers

SCIENTIFIC UPDATES

Health Partners (LHP) and the Public Health Institute at Liverpool John Moore's University (JMU). NWCR-UoL CRC funds the post of LCIRN Co-ordinator until the end of 2018.

LCIRN has continued to make progress over the last twelve months. We have created an LCIRN website within the CRC's website, an LCIRN mailing list and a seminar series. The report of the 2016 LCIRN Symposium is on the LCIRN website along with blogs, funding opportunities and the LCIRN Seminars. We have established the LCIRN Public Involvement Group, which will also form the core of the Patient Public Involvement and Engagement Group for the CRC.

LCIRN is a regular contributor to the Local Awareness and Early Diagnosis Initiative, chaired by Liverpool City Council, and which brings together people concerned with preventing cancer from across the city's statutory and charitable sectors.

We have continued to raise awareness of LCIRN through presentations at conferences and in seminar series. For example, we presented at an Age UK conference in May 2017, an opportunity that came to us through NWCR and at a seminar series hosted by the University of Salford. We also had a poster presentation at the recent NCRI conference.

In partnership with CLAHRC NWC, we are evaluating an intervention to reduce inequalities in bowel cancer screening. LCIRN has also been working in collaboration with the Liverpool Vs Cancer project, which is asking the people of Liverpool about their understanding of cancer and their attitudes towards cancer screening and treatment.

Looking ahead, we continue to support the development of research projects and research programmes. engage@liverpool is funding an LCIRN workshop into the links between homelessness and cancer. The Head and Neck Patient Research Forum has funded an LCIRN workshop to identify research priorities for inequalities in head and neck cancers. We have been working with LHP, who have formed a research group to look at inequalities in cancer screening. We are also part of a research team that is investigating reasons for emergency admissions amongst cancer patients.

Dr Hendy Maheswaran has joined us as LCIRN Director. Hendy will be leading the drive for project funding and will be concentrating on securing infrastructure funding for LCIRN beyond the end of 2018. We continue to work closely with NWCR and are grateful for their continuing support.

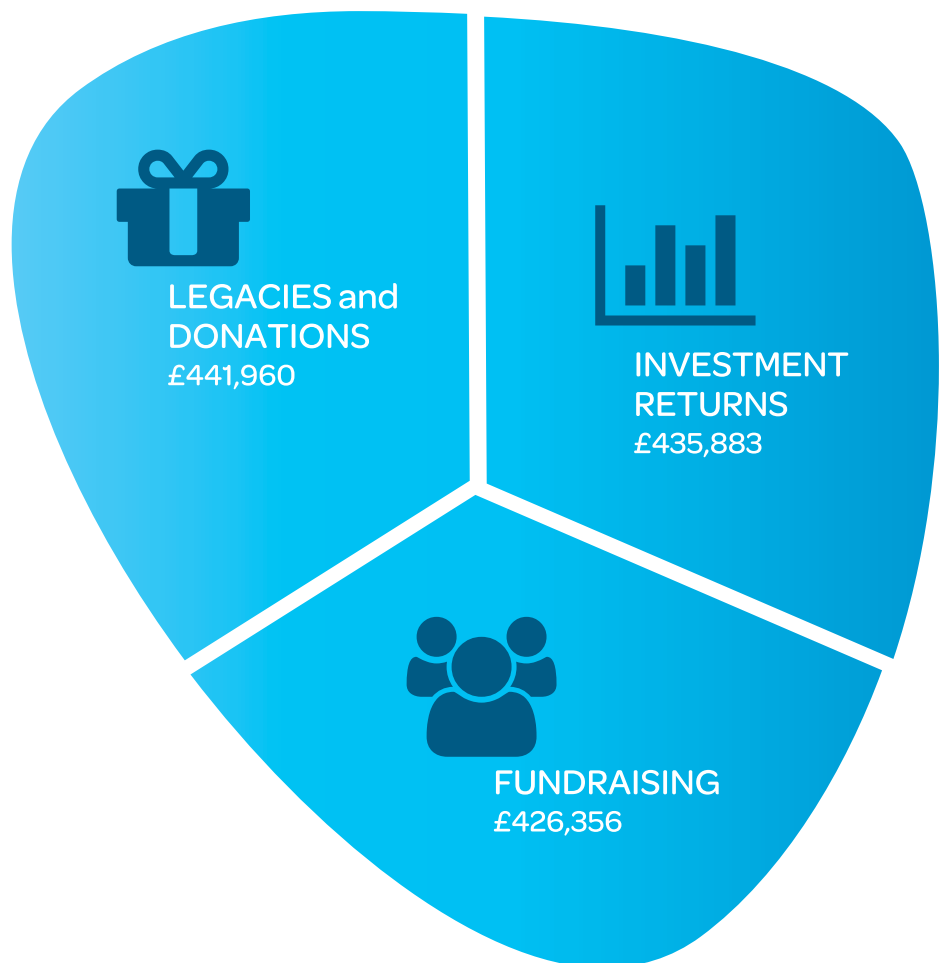


NORTH WEST CANCER RESEARCH

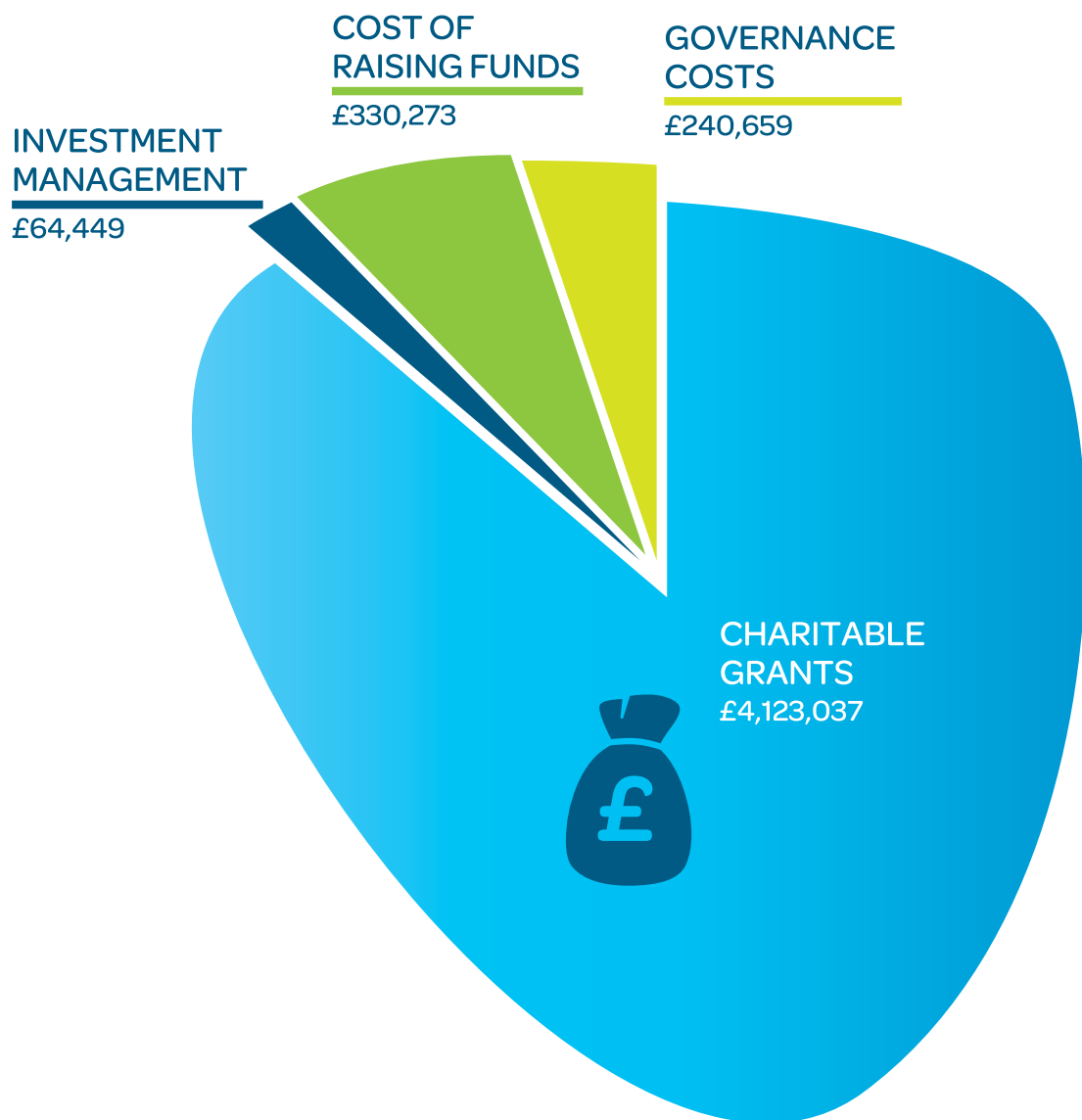
Financial Summary 2016-2017

This summary gives an overview of how we have performed during the financial year ending 30 September 2017. The full annual report and financial statements are available from the North West Cancer Research office. Copies will also be available at the AGM.

INCOME



EXPENDITURE



STATEMENT OF FINANCIAL ACTIVITIES

For the year ended 30 September 2017

	Unrestricted and total funds 2017	Restricted funds 2017	Total funds 2017	Total funds 2016
INCOME FROM:				
Legacies and donations	£ 441,960	-	£ 441,960	£ 576,571
Fundraising	£ 426,356	£ 34,758	£ 461,114	£ 534,611
Investments	£ 435,883	-	£ 435,883	£ 451,204
TOTAL INCOME	£ 1,304,199	£ 34,758	£ 1,338,957	£ 1,562,386
EXPENDITURE FROM:				
Raising funds:				
Voluntary income	£ 56,088	-	£ 56,088	£ 141,329
Fundraising trading	£ 274,185	-	£ 274,185	£ 248,626
Investment management	£ 64,449	-	£ 64,449	£ 76,770
Charitable activities:				
Charitable activities	£ 4,094,491	£ 28,546	£ 4,123,037	£ 2,113,034
Governance	£ 240,659	-	£ 240,659	£ 116,229
TOTAL EXPENDITURE	£ 4,729,872	£ 28,546	£ 4,758,418	£ 2,695,988
NET INCOME / (EXPENDITURE) BEFORE INVESTMENT GAINS				
	(£ 3,425,673)	£ 6,212	(£ 3,419,461)	(£ 1,133,602)
Net gains on investments	£ 965,466	-	£ 965,466	£ 983,968
NET INCOME / (EXPENDITURE) BEFORE TRANSFERS				
	(£ 2,460,207)	£ 6,212	(£ 2,453,995)	(£ 149,634)
Transfers between Funds	(£ 16,049)	£ 16,049	-	-
NET INCOME / (EXPENDITURE) BEFORE OTHER RECOGNISED GAINS AND LOSSES				
	(£ 2,476,256)	£ 22,261	(£ 2,453,995)	(£ 149,634)
NET MOVEMENT IN FUNDS				
	(£ 2,476,256)	£ 22,261	(£ 2,453,995)	(£ 149,634)
RECONCILIATION OF FUNDS:				
Total funds brought forward	£ 8,111,935	-	£ 8,111,935	£ 8,261,569
TOTAL FUNDS CARRIED FORWARD	£ 5,635,679	£ 22,261	£ 5,657,940	£ 8,111,935

BALANCE SHEET

As at 30 September 2017

	2017	2016
FIXED ASSETS		
Tangible assets	£ 5,459	£ 1,547
Investments	£ 11,549,129	£ 11,637,203
	£ 11,554,588	£ 11,638,750
CURRENT ASSETS		
Stocks	£ 4,915	£ 1,682
Debtors	£ 36,240	£ 20,432
Cash at bank and in hand	£ 372,418	£ 1,122,560
	£ 413,573	£ 1,144,674
CREDITORS: amounts falling due within one year	(£ 2,836,203)	(£ 3,011,399)
NET CURRENT LIABILITIES	(£ 2,422,630)	(£ 1,866,725)
TOTAL ASSETS LESS CURRENT LIABILITIES	£ 9,131,958	£ 9,772,025
CREDITORS: amounts falling due after more than one year	(£ 3,474,018)	(£ 1,660,090)
NET ASSETS	£ 5,657,940	£ 8,111,935
CHARITY FUNDS		
Restricted funds	£ 22,261	-
Unrestricted and total funds	£ 5,635,679	£ 8,111,935
TOTAL FUNDS	£ 5,657,940	£ 8,111,935

WHERE DOES YOUR MONEY GO?



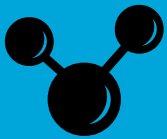
£2 WILL BUY 400 LIQUID HANDLERS FOR PREPARING OUR SAMPLES.



£10 WILL BUY YOU 1000 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 RESISTENCE TO CURRENT TREATMENTS.



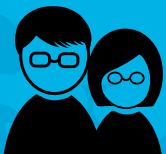
£1,000 WILL BUY DNA ANALYSIS EQUIPMENT. OUR GROUPS INVESTIGATE DNA DAMAGE THAT CAUSES CANCER, THEY NEED SPECIALISED EQUIPMENT FOR THEIR EXPERIMENTS.



£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.

PLEASE HELP OUR LIFE-SAVING RESEARCH WITH A DONATION



If you would like to make a regular donation please complete the form below and return it to:

North West Cancer Research

200 London Rd
Liverpool
L3 9TA

PERSONAL DETAILS

TITLE	SURNAME
FIRST NAME	
ADDRESS	
TOWN/CITY	POSTCODE
EMAIL ADDRESS	

BANK DETAILS

NAME OF BANK/BUILDING SOCIETY	
ADDRESS	
TOWN/CITY	POSTCODE
NAME ON ACCOUNT	
SORT CODE	ACCOUNT No.
I WOULD LIKE TO make a donation of: £2 <input type="checkbox"/> £5 <input type="checkbox"/> £10 <input type="checkbox"/> £20 <input type="checkbox"/> £50 <input type="checkbox"/>	
Your own amount £	
On the (date) DD/MM/	of each month until further notice.

SIGNATURE

Giftaid it

I am a UK taxpayer and understand that if I pay less Income Tax and/or Capital Gains Tax than the amount of Gift Aid claimed on all my donations in that tax year it is my responsibility to pay any difference.

SIGNATURE DATE



NORTH WEST CANCER RESEARCH THANK YOU!



The continued generosity and amazing contribution of our funders 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
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- 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
CANCER RESEARCH

“Have no fear of perfection; you’ll never reach it. Nothing in life is to be feared; it is only to be understood.”

Marie Curie, physicist and chemist who conducted pioneering research on radioactivity.

CONTACT US

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200 London Road, Liverpool, L3 9TA

0151 709 2919

info@nwcr.org



@NorthWestCancer



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You can also text a donation.

Just tex GIFT37 with the amount you wish to donate to 70070.

Registered Charity
Number 519357