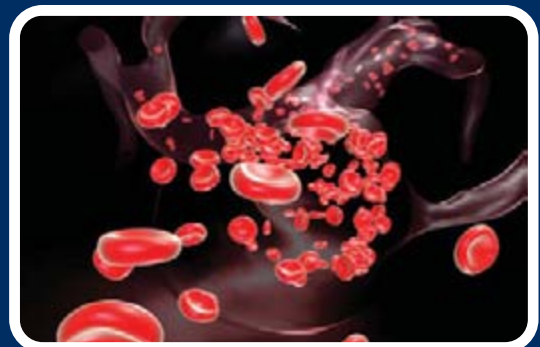
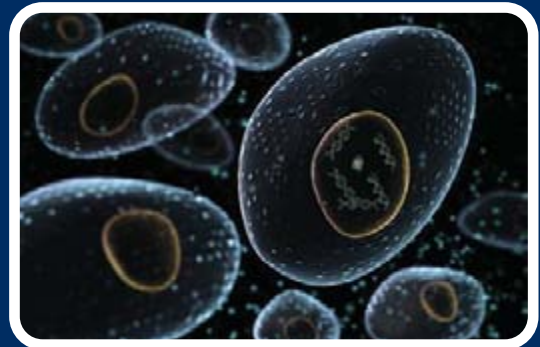
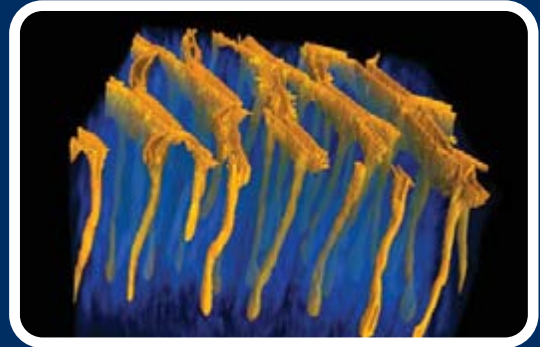
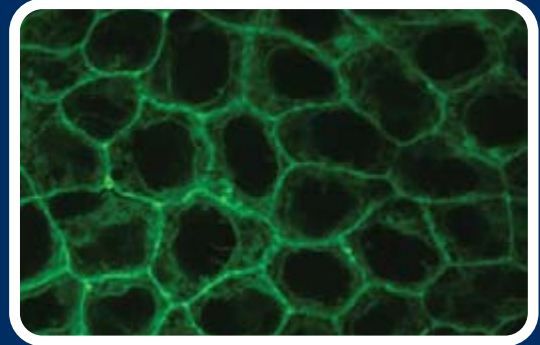




TENOVUS SCOTLAND  
SUPPORTING MEDICAL RESEARCH

43rd Annual Review  
**2010/11**



TODAY'S RESEARCH ~ TOMORROW'S HEALTH

---

[www.tenovus-scotland.org.uk](http://www.tenovus-scotland.org.uk)

We were founded in 1967 by  
Sir Charles Illingworth

---

We fund start up medical research  
studies in Scotland

---

We have raised over twelve million  
pounds since 1967

---

Our start up funding has contributed to  
the generation of 14 times further  
funding from major research bodies

---

93p of every pound received is available  
to invest in medical research

---

## 2010/11 AT A GLANCE

38 new research projects awarded

£554k invested in projects and awards

£1,114k funds available at year end for future  
projects

Our Patron, HRH The Princess Royal, visited  
Grampian & Tayside

The Lady Margaret MacLellan Award  
Professor Bob Steele (Ninewells Hospital Dundee) for his  
pioneering work on bowel cancer screening

The Sir Robin MacLellan Award  
Dr Donal Wall (University of Glasgow) for best Final Report -  
Salmonella and the expectation of its role in cancer  
treatment



TENOVUS SCOTLAND  
SUPPORTING MEDICAL RESEARCH

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at a glance
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# CHAIRMAN'S COMMENTS

The year has seen a number of changes to the National Committee. It was with great regret, both to him and the committee, that our Chairman Professor Sir Roddy MacSween felt the need to stand down for medical reasons. His work for Tenovus Scotland over many years has been invaluable and we are delighted that he has agreed to become an Honorary Vice President. Our Honorary Treasurer Peter Roger also resigned during the year and we thank him for his efforts on behalf of the charity. We have been singularly fortunate to secure the services of Francis McCrossin to fill that role. Francis brings a wealth of experience of the financial world and he has already made a notable impact on the financial management of the charity. Professor Ross Lorimer, another loyal servant of Tenovus Scotland, decided to demit office as Chairman of the Strathclyde Committee and we are very pleased that Dr Alistair Beattie has agreed to replace him.

In contrast to these changes, HRH The Princess Royal has graciously agreed to continue as our Patron for a further three years. She has been hugely supportive of the activities of Tenovus Scotland and has visited all four regions at least once in the past three years.

## FINANCE

The significant increase in donations and legacies this year gives us the opportunity to increase substantially the number of grant awards for duly approved projects in the future, and particularly in the Grampian and Tayside Regions which have enjoyed better than average years in donations and legacies. The current economic gloom is reflected in a second year of low income from investments and bank deposits compared to previous years. Administration costs continue to be kept to a minimum and confirm that the charity is achieving its aim to invest more than 90p in charitable activity for every £1 raised.

## APPLICATIONS RECEIVED

During the year, Tenovus Scotland made 38 grants totalling £553,840 to a number of Medical Schools, Universities and NHS Trusts for research projects carried out in Scotland. This level of funding is entirely due to the generosity of the public through donations and gifts, legacies and fundraising activities and we are extremely grateful to them.

## SURVEY

I would like to thank Mrs Thia Begg for again conducting a survey of past grants. Each year we survey grants awarded five years previously and I am delighted that the 2006 grants are again meeting our aim of progressing medical research. Examples of these projects are on pages 4-5.

## AWARDS

The Lady Margaret MacLellan Award was presented by our Patron to Professor Bob Steele of the University of Dundee in recognition of his highly successful screening programme for bowel cancer. The recipient of the Sir Robin MacLellan Travel Award 2010/2011, chosen on the basis of the final report judged the best each year, is Dr Donal Wall of the University of Glasgow.

## THANKS

As always we are hugely indebted to the National Scientific Committee chaired by Professor Allan Struthers. Their work ensures that the research supported by Tenovus Scotland fulfils the highest scientific credentials.

My sincere thanks to all the committees of Tenovus Scotland for their unstinting efforts throughout the year. They ensure the continued wellbeing and success of the charity.

*Professor A A Calder, Chairman*



**Prof A A Calder**

**“During the year, Tenovus Scotland made 38 grants totalling £553,840 to a number of Medical Schools, Universities and NHS Trusts for research projects carried out in Scotland”**

**“Each year we survey grants awarded five years previously and I am delighted that the 2006 grants are again meeting our aim of progressing medical research.”**

## DONORS

*Our sincere thanks to*

Ms C Cochrane

# FURTHER RESEARCH

The positive outcome of many of our start up projects contributes to major funding from other bodies

## Start Up Project

### PROF. PETER MCCAFFERY

UNIVERSITY OF ABERDEEN  
INSTITUTE OF MEDICAL SCIENCES  
FORESTERHILL  
ABERDEEN



Control of retinoic acid function in the adult brain through catabolic regulation

### DR STEVE TURNER

SENIOR CLINICAL LECTURER IN CHILD HEALTH AND HONORARY CONSULTANT PAEDIATRICIAN, CHILD HEALTH  
UNIVERSITY OF ABERDEEN  
ROYAL ABERDEEN CHILDREN'S HOSPITAL  
FORESTERHILL, ABERDEEN



A pilot study to develop a strategy for the cessation of smoking among parents attending a children's hospital

### DR FRANCISCA MUTAPI

HEAD OF THE PARASITE IMMUNO-EPIDEMIOLOGY GROUP  
INSTITUTE FOR IMMUNOLOGY & INFECTION RESEARCH  
UNIVERSITY OF EDINBURGH  
ASHWORTH LABORATORIES  
KING'S BUILDINGS, WEST MAINS RD  
EDINBURGH



Following the development of human immune responses underlying the hygiene hypothesis in people carrying parasitic infections

### PROF. COLIN NA PALMER

CHAIR OF PHARMACOGENOMICS  
BIOMEDICAL RESEARCH INSTITUTE  
NINEWELLS HOSPITAL AND MEDICAL SCHOOL  
UNIVERSITY OF DUNDEE  
DUNDEE



Investigation of the role of fillagrin gene mutations in the early years of life

### DR STEPHEN YARWOOD

SENIOR LECTURER  
INSTITUTE FOR MOLECULAR, CELL AND SYSTEMS BIOLOGY,  
COLLEGE OF MEDICAL, VETERINARY AND LIFE SCIENCES  
UNIVERSITY OF GLASGOW  
GLASGOW



Hormonal control of gene expression in a cell model of endothelial inflammation

and the furtherance of medical knowledge. Here are some examples from our latest survey.

#### Major Funding

#### Furtherance of Medical Knowledge

£691k from  
Biotechnology and  
Biological Sciences  
Research Council

“Tenovus Scotland funding allowed us to develop the tools to investigate the enzymes that control vitamin A function in the brain leading to UK research council funding to study how vitamin A acts in the region of the brain controlling hormones and provide balance to our bodies.”

£500k from the  
Big Lottery Fund

“We have successfully developed a method to reduce children's exposure to second hand smoke. We have done this by changing parents smoking habits, for example introducing a smoke free house and smoke free car. To encourage change, we measured indoor air quality with equipment paid for by Tenovus Scotland and parents appreciated this visual evidence of what harm they were exposing their child to. The air quality in homes of those parents given the air quality information improved more than those homes where only verbal advice was given.”

£310k from The  
Wellcome Trust

“The results from this work have made significant advances in biomedical research. The results show that parasite worms (helminths) can manipulate the number and function of different cell types important in the human immune response against the parasite worms. The results also indicate that the changes in the human immune response caused by parasite worms may be able to attenuate the development of allergic responses and some autoimmune diseases.”

£200k from  
Sparks

“This should allow us to determine the specific environmental effects on 'Filaggrin associated allergy' and provide guidance for the prevention of eczema in early childhood.”

£178k from the  
British Heart  
Foundation

“We are currently setting up drug screens to identify new pharmaceuticals that will control gene expression in the cardiovascular system thereby reducing the harmful inflammation that leads to diseases like atherosclerosis.”

# EDINBURGH

The Edinburgh Regional Committee continues to meet and enjoy the hospitality of Messrs Balfour Manson LLP in the heart of the New Town. The Committee has been successful in recruiting new members with an emphasis on fundraising ability. The Edinburgh Royal Colleges are formally represented, the President of the Royal College of Physicians being an active member of the Committee.

## APPLICATIONS RECEIVED

In September 2010, seven applications were reviewed with two being supported at a cost of £17,670.

## FUNDRAISING

We held a number of highly successful fundraising events in 2010 – an Art exhibition, a Whisky Tasting and Bridge tournament. Our committee and in particular Dr Doreen Mitchell are to be commended on their hard work in organising such superb events.

The Burns Supper on Saturday 22nd January 2011 was a great success raising some £6,500. The National Chairman, Sir Roddy MacSween, began the evening with the Selkirk Grace. The eminent Scottish advocate, Mr Donald Findlay QC, proposed the Immortal Memory in his inimitable style. Dr Dermot McKeown, Consultant Anaesthetist at the Royal Infirmary of Edinburgh, proposed the Toast to the Lassies. Mrs Annie Simpson ably replied. The venue was the beautiful surroundings of the Playfair Library of the University of Edinburgh.

These fundraising events, however, were eclipsed by our first corporate sponsorship from Granite Search and Selection Ltd of London who donated £22,000.

## COMMITTEE AND THANKS

The Committee is extremely gratified by the number of grant award holders who have successfully gone on to achieve significant funding from major grant awarding bodies. A prime example is Dr Francisca Mutapi who was awarded £310,000 by the Wellcome Trust for her project in cell mediated immunity. This clearly demonstrates the value of the Tenovus Scotland scrutiny process both locally and nationally.

I am personally delighted that our new National Chairman, Professor Andrew Calder, has agreed to continue to take an active part in the workings of the Edinburgh Committee.

My thanks also go to our tireless Secretary, Mrs Kay Rich, and the Honorary Treasurer, David Land CA, who has agreed to continue in his present role for at least another year.

*Mr James Watson, Chairman*

## EDINBURGH COMMITTEE AS AT 15 AUGUST 2011

### Chairman

Mr J D Watson

### Hon: Treasurer

Mr D S Land CA

### Committee

Dr D Bain, Professor A A Calder, Mr D H Campbell, Mr A Corstorphine, Dr N Dewhurst, Professor Sir N J Douglas, Mrs H A Finlayson, Mrs H Holton, Dr D Mitchell, Professor S J Wigmore



Mr James Watson

**“The Committee is extremely gratified by the number of grant award holders who have successfully gone on to achieve significant funding from major grant awarding bodies”**

## CORPORATE SPONSOR

*We are very pleased to be associated with our corporate sponsor*

Granite Search and Selection Ltd

## DONORS

*Our sincere thanks to all our donors*

Geoffrey Clark Charitable Trust

W J Underwood's Charitable Trust

J K Young Endowment Trust

Torness Group Charities Scheme

Dr J M Anderson

Anon donor

Mr J Frame

Mr W G Geddes

Mrs L Keppie

Lord Macfarlane of Bearsden

Mr J Rainey

Mr A C Ramage

Mr M Sinclair

Mrs R F Stewart

Mrs F M Young

Donations from events

## Edinburgh Regional Secretary

Mrs Kay M Rich

Regional Secretary

Edinburgh Committee

Tenovus Scotland

8 Queen's Avenue South

Edinburgh EH4 2BU

0131 332 8502

edin.sec@talk21.com

Tenovus Grampian has continued its active role in both research and profile raising activities over the last 12 months. Membership of the committee has remained remarkably constant but we were sad to accept the resignation of Mrs Janette Mackenzie who has been so helpful in the social and PR side. There is however little doubt that the pressure on funding issues continues and although things have eased somewhat in the course of the last six-nine months, the decline in other sources of income for other public or national funding bodies is evident.

A highlight of the year was the visit of our Patron HRH The Princess Royal in September 2010 to view the work of local researchers and open formally the Suttie Centre for Teaching and Learning in Healthcare with appropriate recognition of Tenovus Grampian.

## APPLICATIONS RECEIVED

We reinstated two application cycles in the year (September 2010 and February 2011) and of 21 applications received, we were able to support 10 at a cost of £88,109 by the year end, and a further five at a cost of £47,057 in the early Spring.

## REPORTS

Over the 12-month period covering this annual report, seven final reports were reviewed and were of a high quality and standard.

## FUNDRAISING

Fund raising activities of Tenovus Grampian, with income of £31,127 and costs of £12,824, have continued apace in the last 12 months largely through the enthusiasm and direction of Margaret Krukowski. A very substantial expansion in terms of contacts was achieved who, though mindful of Tenovus Scotland, had not previously supported the Charity.

Activities directed at fund raising or publicity were a Golf Competition, an Italian wine tasting and auction, a closed art exhibition and a Burns Supper.

Thanks to the magnificent legacy from the late Mrs Moulton-Barrett, the committee have decided, with the support of the National Committee, to fund a PhD studentship over four years to the value of £80,000 locally through the University of Aberdeen. It is hoped that applications for such a studentship will be available in September 2011 with the student starting a PhD a year later in September 2012.

## SUMMARY

We are hopeful that the next year will allow us to continue with two sets of research based applications per year, a PhD studentship within the foreseeable future and enhanced funding for those applications.

*Dr David Galloway, Chairman*

## GRAMPIAN COMMITTEE AS AT 15 AUGUST 2011

### Chairman

Dr D Galloway

### Vice Chairman

Mr E Flett

### Hon. Treasurer

Mr D Fraser

### Committee

Ms V Corbett, Mr C Crosbie OBE, Dr S Duncan, Mr A Marshall, Mrs C Grant, Mrs M Krukowski, Professor J Maxwell, Professor P Morgan



**Dr David Galloway**

**“Thanks to the magnificent legacy from the late Mrs Moulton-Barrett, the committee have decided, with the support of the National Committee, to fund a PhD studentship over four years to the value of £80,000 locally through the University of Aberdeen”**

## DONORS

*Our sincere thanks to all our donors*

St James Place Foundation

Mrs L Blackhall

Mr E Flett

Mr D Gormley

Prof T J Maxwell

Mrs A M Wood

Donations from events

## LEGACIES

*We are grateful for the following legacies*

Mrs W M Joss

Mrs N A J Moulton-Barrett

### Grampian Honorary Regional Secretary

Mr Jonathan FS Young

Honorary Regional Secretary

Grampian Committee

Tenovus Scotland

Old Braco

Burnhervie

Inverurie AB51 5LB

01467 681 380

oldbraco@aol.com

# STRATHCLYDE

My previous reports have had a background of potentially diminishing resources, making the support of projects uncertain. However, I am pleased to say that the situation appears to have stabilised. Developments at National Committee level encourage me to believe that the financial situation is less bleak than I had thought.

## APPLICATIONS RECEIVED

What has again impressed me is the way that the Strathclyde Committee has responded so splendidly in raising funds both by the organisation of events and by skilful and determined approaches to the Charitable Trusts of this city. Thanks to their efforts, we have been able to maintain our twice-a-year consideration of projects and to fund those selected at the same level as before. In 2010-2011 we received 34 grant applications and agreed to support eight awarding £64,098.

## SURVEY

It gave me great satisfaction to read our Vice Chairman Mrs Thia Begg's meticulous audit of projects funded in 2005. In 2005 Strathclyde funded nine projects. Publications and presentations arising from these projects totalled eight. Our total funding was £80,678 and the further funding generated was £3,843,687.

It is remarkable how year in and year out the project pump priming funding aim of Tenovus Strathclyde is fulfilled. Let me emphasise that we only know this because of Mrs Begg's work, for without her follow-up surveys we would be floundering in blissful ignorance.

## FUNDRAISING

Turning now to the Events Committee, this has been a busy year for its Members and especially for Mrs Irys Lindsay in her first year as Chairman. Successful events have included a garden party, bridge afternoon, quiz night, and a golf day at Gleneagles. This last event was again blessed with good weather, was splendidly organised, and enjoyed by all. We were delighted to be selected by the organisers of The Woman of Scotland Lunch to be their nominated charity for 2011. The Events Committee have our grateful thanks.

## THANKS

My thanks to Mrs Sue Ogden - organised and efficient - she makes our Committees run smoothly. We are also enormously indebted to Professors Harvey, McInnes, and Willison of our Scientific Advisory Committee for the sterling work they do.

As this is my final report, I would like to say how inspirational I have found the work of Tenovus Scotland and what it has achieved. The members of the Committee give unstinting service and it has been a great pleasure to be one of them.

*Professor Ross Lorimer CBE, Chairman*



**Prof Ross Lorimer CBE**

**“It is remarkable how year in and year out the project pump priming funding aim of Tenovus Strathclyde is fulfilled”**

## DONORS

*Our sincere thanks to all our donors and to those who contributed through Just Giving*

The A M W Charitable Trust  
The W A Cargill Trust  
The Martin Connell Charitable Trust  
M V Hillhouse Trust  
Jeffrey Charitable Trust  
J T H Charitable Trust  
The W M Mann Foundation  
The A B Martin Charitable Trust  
The M E B Charitable Trust  
The Ronald Miller Foundation  
Irys & Alexander Naddell Charitable Trust  
Templeton Goodwill Trust  
The Tennant Southpark Charitable Trust  
Miss A M Urquhart Charitable Trust  
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Mr J Beattie  
Dr D H Brebnor  
Mrs B I Gotts  
Mr A G Imrie  
Mr P R Kerr  
Miss K Liston  
Lord Macfarlane of Bearsden  
Mr M MacLean  
Dr I D Melville  
Mr & Mrs A K Morton  
Mrs I P Philips  
Sir T J Thompson  
Mr A L Tannahill  
Donations from events

## LEGACIES

*We are grateful for the following legacies*

Miss A Cochrane  
Mrs M F Hamilton

## STRATHCLYDE COMMITTEE AS AT 15 AUGUST 2011

### *Hon. Vice President*

Sir T J Thomson

### *Chairman*

Dr A Beattie

### *Vice Chair*

Mrs T Begg

### *Hon. Treasurer*

Mr D MacLucas

### *Committee*

Mr I Anderson, Dr J D Briggs, Mr F G Dunn,  
Mrs A Ferrans, Mrs I Lindsay, Mrs L Mawson,  
Professor K R Paterson

### *LSAC Members*

Professor A Harvey, Professor I McInnes,  
Professor H Willison

### **Strathclyde Events Committee**

#### *Chair*

Mrs I Lindsay

#### *Hon. Treasurer*

Mrs A Ferrans

#### *Committee*

Mrs L Bennett, Mrs F Cutler, Mrs C Donald,  
Mrs M Frew, Mrs J Macanna,  
Mrs L Mawson, Mrs S Tolmie

### **Strathclyde Regional Secretary**

Mrs Sue Ogden  
Regional Secretary  
Strathclyde Committee  
Tenovus Scotland  
at Royal College of Physicians & Surgeons  
Glasgow  
232-242 St Vincent Street  
Glasgow G2 5RJ

0141 221 6268  
0141 942 8682 (H)  
stra.sec@tiscali.co.uk

# TAYSIDE

The Tayside Region has once again had a very successful year in social, fund-raising and scientific activities.

## COMMITTEE

In March 2011, Mrs Pat Dunn intimated her wish to stand down from the post of Secretary/Treasurer to Tenovus-Tayside that she has held for 18 years. The Regional Committee accepted this decision with regret but acknowledged the outstanding service that she had given to Tenovus Scotland in Tayside. Mr Jim Wilson was appointed Treasurer from 1st April 2011. To ensure a smooth transition, Mrs Pat Dunn agreed to continue as Secretary for a further six months; during these months Mrs Margaret Lawson will act as Assistant Secretary and thereafter take over as Secretary.

## APPLICATIONS RECEIVED

Due to very generous support from a local trust, three major projects were funded to the value of £246,234.

In addition, 15 small projects were funded to the value of £137,729. These projects covered a wide range of topics including cancer, diabetes, brain and nerve disease, heart and blood vessel disease and infection and immunology.

## PROJECT REPORTS AND AWARDS

A total of nine final reports were received of which four were graded as excellent, four as highly satisfactory and one as satisfactory. In addition, Tenovus Tayside was delighted that the prestigious Lady Margaret MacLellan Award of Tenovus Scotland was presented by HRH The Princess Royal to Professor Bob Steele for his pioneering work on bowel cancer screening. Bob Steele is Professor of Surgery in the Medical School at Ninewells Hospital Dundee.

## INCOME GENERATION AND EVENTS

Due to the generosity of our supporters, Tenovus Tayside has been able to raise £547,491 to support medical research projects. This money was raised from a combination of fund-raising events and donations from Trusts, Legacies, Donors, Gift Aid and Interest.

The highlight of the year was the visit of HRH The Princess Royal, National Patron of Tenovus Scotland, in Spring 2011. She formally opened the new Centre for Molecular Medicine in the Clinical Research Centre at Ninewells Hospital Dundee. Thereafter, she met Tenovus Scotland funded researchers, members of the Tayside Regional and Ladies Committees and other Tenovus Scotland supporters.

It was a matter of great disappointment that the Annual Dinner had to be cancelled due to the extremely adverse weather in December 2010 but a Quiz Night and a Bridge Lunch were both highly successful. Our sincere thanks go to Mrs Una Horspool and the Ladies Committee for all their hard work.

## THANKS

Our thanks go to all our loyal supporters whose generosity make it possible for Tenovus Tayside to fund so much excellent medical research and to Mrs Pat Dunn for her outstanding service over the past 18 years.

*Professor Peter Howie, Chairman*



**Prof Peter Howie**

**“Our thanks go to all our loyal supporters whose generosity make it possible for Tenovus Tayside to fund so much excellent medical research”**

## DONORS

*Our sincere thanks to all our donors*

Anon Trusts  
IBB Trust  
R J Larg Trust  
Leach Family Trust  
The Leng Charitable Trust  
The Lethendy Charitable Trust  
A M Pilkington Charitable Trust  
Claverhouse Rotary Club Dundee  
Edenhead Friends  
Inner Wheel Club of Kirriemuir  
The Probus Club of Newport-on-Tay  
Royal Caledonian Curling Club  
Mrs J Bastable  
Mr C S Florey  
Mr G Illingworth  
Mrs H Jamieson  
Professor D S Jones  
Mr & Mrs F C McManus  
Mrs E A Mussen  
Mrs L Scott  
Donations from events

## LEGACIES

We are grateful for the following legacies

Mrs C Gardner  
Mr R Hendry  
Miss Morris  
Mrs M R Taylor  
Mrs S M Thomson

## TAYSIDE COMMITTEE AS AT 15 AUGUST 2011

### *Hon. President*

Dowager Countess of Strathmore DL LLD

### *Hon. Vice Presidents*

The Rt Hon. The Earl of Mansfield

Mr N J Robertson

### *Chairman*

Professor P W Howie

### *Vice Chairman*

Mr A F McDonald

### *Treasurer*

Mr J M C Wilson

### *Committee*

Professor S Fleming, Lady Fraser, Professor A D Morris, Mr D J Smith, Mr D J Young, Professor D A Levison

### **Tayside Ladies' Committee**

#### *Chair*

Mrs U Horspool

#### *Committee*

Mrs A Anderson, Mrs D Beattie, Mrs S Blackwood, Mrs M Boyle, Mrs S Brunton, Mrs G Burns, Dr B Coupar, Dr E Downes, Mrs C Fowlie, Mrs M Graham, Mrs A Gray, Mrs A MacKay, Mrs J Mitchell, Mrs M Munro, Mrs M Paterson, Mrs A Philip, Mrs N Smith, Dr C Taig

### **Tayside Regional Secretary**

Mrs Pat Dunn  
Regional Secretary  
Tayside Committee  
Tenovus Scotland  
Biomedical Research Institute Level 7  
Corridor A  
Ninewells Hospital & Medical School  
Dundee DD1 9SY

01382 632 508  
01382 542 882 (H)  
dunn.pat@btinternet.com

The National Scientific Advisory Committee (NSAC) has, as ever, been reviewing applications submitted for funding by the four regions. Since the applications we see have been preselected locally, the standard of applications is extremely high. This means that successful projects have in effect been “double scrutinised” (locally and nationally), hence ensuring that Tenovus Scotland money is always well spent, in the scientific sense. This “double scrutiny” by two separate committees also means that suggestions can be made on how to improve each research project in order to get the maximum benefit once the research project begins. Below are a few of the funded projects chosen in 2010 – 2011 in order to illustrate both the breadth of topics funded and their potential future value to patients.

## CASE STUDIES

In Tayside, a new young Senior Lecturer (Dr Jacob George) will be investigating an intriguing and potentially very important topic for the health of all of us. Effervescent (or fizzy) versions of many drugs are commonly prescribed but what most people (including the prescribers) do not realise is that the “fizziness” of such tablets comes from their having a very high concentration of sodium bicarbonate. For example, taking regular effervescent paracetamol, at the recommended doses, a patient can easily exceed their daily salt intake just on this one medication alone and that ignores all the salt in their diet as well. It is of course well known that excess salt causes high blood pressure (hypertension) and thereby increases heart attacks and strokes. What is not yet known is how much these effervescent tablets really do contribute to hypertension and cardiovascular disease but Dr George along with Dr Wei and Professor MacDonald plans to find this out using the General Practice Research Database (known as GPRD).

In Grampian, Drs Turner & Walsh will be measuring a substance in the air breathed out by asthmatic children to see if measuring this substance can predict which children will suffer from recurrent wheeze. The particular substance of interest is a mediator of inflammation called Interleukin – 10. Since asthma is basically a disease of inflammation in the lungs, there seems a good chance that exhaled Interleukin – 10 will be a useful predictor of recurrent wheeze and thereby identify children who need more anti-asthmatic medication.

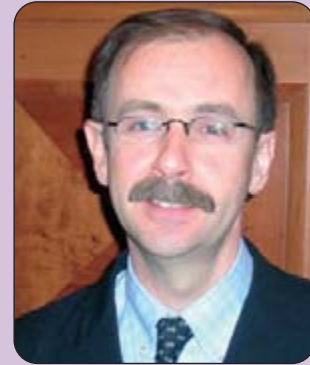
Also in Grampian, Dr Smith and others will be developing a new agent for use one day in breast cancer patients. This new agent will hopefully be useful to diagnose tumours earlier and better characterise each tumour, during imaging by PET scanning. Such new information about each tumour may help earlier diagnosis and help target anticancer treatments more specifically to the precise characteristics of each tumour.

As ever our guiding principles are twofold. The first is to help young researchers in Scotland to get their “first break” and to generate promising pilot data that will help them convince larger funding bodies such as the Medical Research Council that their research idea is likely to bear fruit. Our second guiding principle is to back research projects where a clear benefit to patients can be seen in the not too distant future.

## SUMMARY

In summary Tenovus Scotland contributes greatly to the reason Scotland punches well above its weight in medical science and innovation. As a result, everyone involved with Tenovus Scotland should be proud of their role: we in the NSAC certainly are.

*Professor Allan D Struthers  
Chairman Tenovus Scotland NSAC  
Professor of Cardiovascular Medicine  
University of Dundee*



**Prof Allan D Struthers**

**“Successful projects have in effect been “double scrutinised” (locally and nationally), hence ensuring that Tenovus Scotland money is always well spent, in the scientific sense”**

**“Tenovus Scotland contributes greatly to the reason Scotland punches well above its weight in medical science and innovation”**

# FINANCIAL REVIEW

YEAR TO 31 MARCH 2011

Set out below in summary form are the accounts for this and the preceding 4 years.

## INCOME & EXPENDITURE ACCOUNTS

The significant increase in donations and legacies this year gives us the opportunity to increase substantially the number of grant awards for duly approved projects in the future, and particularly in the Grampian and Tayside Regions which have enjoyed better than average years in donations and legacies received as noted in their Chairmen's Reports. The current economic gloom is reflected in a second year of low income from investments and bank deposits compared to previous years. Administration costs continue to be kept to a minimum and confirm that the charity is achieving its aim to invest more than 90p of every £1 raised in medical research.

All in £000

	2010/11	2009/10	2008/09	2007/08	2006/07
Donations	394	296	353	443	379
Legacies	488	234	8	163	30
Fundraising	35	29	29	15	17
Interest and Dividends	40	26	105	127	117
	957	585	495	748	543
Research Grants	435	548	573	735	621
Administration	35	44	55	52	50
	470	592	628	787	671
Surplus (Deficit)	487	(7)	(133)	(39)	(128)

## BALANCE SHEETS

The current balance sheet will allow TENOVUS SCOTLAND to meet existing commitments and to make further grants.

All in £000

	2011	2010	2009	2008	2007
Investments	997	566	455	568	635
Debtors	4	1	2	4	5
Cash at Bank	1867	1831	1881	2133	2223
Liabilities	(1114)	(1188)	(1256)	(1376)	(1429)
	1754	1210	1082	1329	1434
Capital	505	501	597	609	295
Investment Appreciation	135	94	(70)	42	130
Revenue	1,114	615	555	678	1,009
	1,754	1,210	1,082	1,329	1,434

The financial information above is extracted from the full audited Annual Report and Accounts for the 5 years ended 31 March 2011. Copy of the most recent audited Annual Report and Accounts is available on request from the General Secretary or by downloading from our website at [www.tenovus-scotland.org.uk](http://www.tenovus-scotland.org.uk)

*Mr Francis E J McCrossin, Honorary Treasurer*



Mr Francis E J McCrossin

“The significant increase in donations and legacies this year gives us the opportunity to increase substantially the number of grant awards for duly approved projects in the future”

“Administration costs continue to be kept to a minimum and confirm that the charity is achieving its aim to invest more than 90p of every £1 raised in medical research”

# TENOVUS SCOTLAND

AS AT 15 AUGUST 2011

PATRON	HRH The Princess Royal
HON PRESIDENT	The Rt. Hon. The Lord Macfarlane of Bearsden KT DL FRSE
HON VICE PRESIDENTS	Professor Sir Malcolm Macnaughton MD FRCPG FRCOG FRSE Lady Arbuthnott
TRUSTEES AND NATIONAL COMMITTEE	
Chairman	Professor A A Calder
Committee	Dr A Beattie Mr C J Black Mrs F Cutler Dr D Galloway Professor P W Howie Miss Mary Marquis MBE Mr F E J McCrossin Mr M McIver OBE Mr J D Watson
Hon Secretary	Mr G M Philips
Hon Treasurer	Mr F E J McCrossin
ETHICAL CONSULTANT	Professor S A M McLean
GENERAL SECRETARY	Mr I McFadzean
OFFICE	At Royal College of Physicians and Surgeons of Glasgow 232- 242 St Vincent Street Glasgow G2 5RJ
EMAIL ADDRESS	gen.sec@talk21.com
WEBSITE ADDRESS	www.tenovus-scotland.org.uk
AUDITORS	Wylie & Bisset LLP 168 Bath Street Glasgow G2 4TP
BANKERS	Clydesdale Bank PLC 14 Bothwell Street Glasgow G2 6QY
STOCKBROKERS	Speirs & Jeffrey Ltd 36 Renfield Street Glasgow G2 1NA
SOLICITORS	Morisons LLP Solicitors 53 Bothwell Street Glasgow G2 6TS
CHARITY NUMBER	SC 009675

