In this issue:

- Introduction from Professor Anna Dominiczak, Vice Principal and Head of College
- People
- Training
- Impact
- Research news and funding opportunities
- Teaching news
- Dates for your diary
- Events
- From Institutes
- From Schools
- Other news
- Your Newsletter needs you!

This year I am delighted that excellent progress is being made in many areas of the College, and this is highlighted by some of the great achievements featured in this Newsletter.

Over the next few months Institutes and Schools will be working on their Athena SWAN applications or action plans. These require a lot of dedication and significant input from academic staff, but the benefits will serve everyone in the College. Not least because funders are increasingly needing us to meet these standards.

Impact continues to remain high on the agenda. Please find below more information, including working with the Communications Office to publicise your work, the development of an Images of Science exhibition on the Clyde Walkway next to the Glasgow Science Centre, and the work of a BBSRC DTP student who is undertaking an internship to raise awareness of the outstanding impact that many research groups and individuals based in MVLS have on the society, economy, policy, health and the quality of life.

Finally, learn more about our very own Artist in Residence, Ally Wallace, who is working in collaboration with staff in the Plant Science group of the Institute of Molecular Cell and Systems Biology on a project to make art in response to the laboratory environment. Ally is keen to hear about any ideas/images/artefacts that might help to convey science to the general public and any members of staff interested in talking to him about their approaches/projects should email Ally at: ally.wallace@ntlworld.com.

Best wishes for a productive and enjoyable Spring.
People

Professor Cleaveland collects OBE at Buckingham Palace

Professor Sarah Cleaveland from the Institute of Biodiversity, Animal Health and Comparative Medicine and the School of Veterinary Medicine received an OBE at an investiture at Buckingham Palace on 13 February. Prof Cleaveland was awarded the OBE for services to veterinary epidemiology by Princess Anne.

Speaking about the award ceremony, Professor Cleaveland said: “First all the recipients were given a short briefing including instructions on how to curtsey! Then we walked on stage and received awards from the Princess Royal. She talked to each person for a few minutes and the first thing she spoke to me about was the University of Glasgow and the work we do here. She was very impressed on hearing the about the work we are doing to eliminate canine rabies.”

Prof Cleaveland took Dan Haydon, Director of Institute, as her guest to the event as he was instrumental in her nomination for the award.

She said: “The day was altogether an extraordinary experience - the spectacle and grandeur of Buckingham Palace, the privilege of meeting some exceptional and interesting people at the ceremony, and the honour of receiving an OBE from the Princess Royal. The honour is shared by many colleagues at Glasgow, who have been part of such a great team over the years. Such a special day that I will always remember.”

Other University of Glasgow staff members received awards in the Queen’s Birthday Honours 2014. Professor Julie Fitzpatrick and Dr Hilary Dobson also received OBE’s and Professor Chris Packard was awarded a CBE.

New Director for MRC Institute of Hearing Research

Dr Michael Akeroyd, currently section director of the MRC/CSO Institute of Hearing Research Scottish Section at the Glasgow Royal Infirmary, and Honorary Senior Lecturer in the Institute of Health and Wellbeing, has been appointed as the next full Director of the Medical Research Council’s Institute of Hearing Research (IHR) at the University of Nottingham. Dr Akeroyd will take up his post in April 2015. He said: "The MRC Institute of Hearing Research delivers world-class interdisciplinary research on hearing. I am very honoured to be given the opportunity to lead the Institute’s work. I look forward to championing our exciting and innovative future research that will deliver the next generation of improvements in hearing health care." Further information can be found here: http://www.mrc.ac.uk/news-events/news/new-director-for-mrc-institute-of-hearing-research/.

The Scottish Section of IHR is an affiliated group of the Institute of Health and Wellbeing, and it’s based in the recently refurbished New Lister Building at the Glasgow Royal Infirmary. See www.ihr.gla.ac.uk for more info.

Wolfson Research Merit Award for Prof Neil Bulleid
Congratulations to Professor Neil Bulleid, Director of the Institute of Molecular, Cell and Systems Biology, on being awarded a prestigious Wolfson Research Merit Award. These awards provide universities with additional support to enable them to recruit or retain respected scientists of outstanding achievement and potential to the UK. Professor Bulleid will use the award alongside his Wellcome Trust Senior Investigator award to continue his research here at the University of Glasgow on how secreted proteins fold and assemble within mammalian cells. In particular he will be investigating the enzymes responsible for introducing covalent linkages within proteins during their folding. In addition he will evaluate the role in cellular signaling and protein modification of small reactive chemicals, such as hydrogen peroxide, produced in the cell during protein folding. The award will provide stable funding for Professor Bulleid and his research team for the next five years.

New MVLS Fellows of the Royal Society of Edinburgh

Nine academics from the University of Glasgow have been enrolled as Fellows of the Royal Society of Edinburgh (RSE), including Professor Andrew Biankin, Regius Professor of Surgery and Director of the Wolfson-Wohl Cancer Research Centre, and Professor Sally Wyke, Deputy Director of the Institute of Health & Wellbeing, College of Social Sciences. The RSE works to place the advancement of learning and useful knowledge at the centre of public life in Scotland. Further information on the latest cohort can be found at: http://www.gla.ac.uk/news/headline_396778_en.html

Scottish Food Commission

Professor Julie Fitzpatrick OBE, Chair of Food Security in MVLS, is one of sixteen new members of the Scottish Food Commission. The Commission, which meets for the first time on 18 March, will be chaired by Shirley Spear while Julie Fitzpatrick takes on the role of vice-chair. Professor Fitzpatrick is the Scientific Director of the Moredun Institute and Group CEO.

The Cabinet Secretary for Rural Affairs, Food & the Environment, Richard Lochhead MSP, said: “Scotland is fast becoming one of the world’s leading food and drink nations. We have come a long way in terms of reputation and success in a few short years but with the help of the Food Commission we can do even better. I want the food industry to become a thriving, well-known feature of local and national economies, with each part of Scotland rightly proud of its culinary heritage, past and present.”

UK ambassador to the American Society of Microbiology

Professor Andrew Smith, Consultant and Professor of Clinical Bacteriology in the Dental School has recently been appointed as UK ambassador to the world’s largest Microbiology Society - The American Society of Microbiology (ASM) - the oldest (established in 1899) and largest single life science membership (39,000) organisation in the World. There are currently 73 ASM Country Ambassadors, ranging from Angola to Yemen and most other places in-between. The remit of the ambassador post is to foster collaboration and engagement at a National and International level. For further details about funding and placement opportunities visit the ASM web site http://www.asm.org or contact Professor Smith directly at andrew.smith@glasgow.ac.uk
Wellcome Trust Researcher Spotlight on Dr Daniel Streicker

Dr Daniel Streicker’s work on the way that pathogens are transmitted between species has been featured in the Researcher Spotlight section of the Wellcome Trust Blog, where he shares his passion for his work, and some great advice from his former lab. Daniel is a Wellcome Trust/Royal Society Sir Henry Dale Fellow in the Institute of Biodiversity Animal Health and Comparative Medicine.

Institute of Infection, Immunity and Inflammation – New Marie Curie Fellows

Dr Gianluca Grassia has been awarded a Marie Sklodowska-Curie Actions Individual European Fellowship to join the Centre for Immunobiology, Institute of Infection, Immunity and Inflammation. These competitive fellowships funded by the European Commission are awarded to experienced researchers undertaking mobility between countries to support their career development and training with a focus on innovation skills. Dr Grassia will be hosted by Dr Pasquale Maffia and Prof. Paul Garside. His work, in collaboration with Prof. Duncan Graham (University of Strathclyde), will be focused on the development of a new nanoparticle Surface-Enhanced Raman Spectroscopy (SERS)-based system as a highly sensitive imaging modality for measuring vascular inflammation in atherosclerosis.

SERS is a technique that extends the range of Raman applications to very diluted samples. This process relies on a phenomenon known as Raman scattering, in which the light that shines on a particular substance reveals its chemical composition and on the use of metallic nanoparticles as signal amplifier.

Wellcome Trust Centre for Molecular Parasitology (WTCMP) - New Marie Curie Fellow

WTCMP is happy to announce that Dr Sebastian Kirchner will join them this summer as a new fellow funded under the Marie Curie postdoctoral fellowship scheme which is provided by the European Commission.

Dr Kirchner recently obtained his PhD in Biochemistry from the University of Potsdam (Germany) and during his PhD in the laboratory of Prof. Zoya Ignatova he investigated the implications of aberrant gene expression (at the transcriptional and translational level) for Cystic Fibrosis (CF) pathology and its functional implications for the Cystic Fibrosis Transmembrane Conductance Regulator (CFTR).
Dr Kirchner will join the research group of Prof Andy Waters and his work will focus on the epigenetic mechanisms regulating sexual commitment and development in malaria parasites. Prof Andy Waters said “Congratulations to Sebastian on obtaining this prestigious and very competitive award. I look forward to his joining the Centre and my group and to him making excellent progress on this exciting area of biological research.”

Glasgow-based biologist takes her science to Parliament

Kirsty McInnes, a BBSRC-funded PhD student in the Institute of Molecular, Cell and Systems Biology, attended Parliament to present her science to a range of politicians and a panel of expert judges, as part of SET for Britain on 9th March.

SET for Britain is a poster competition in the House of Commons involving approximately 210 early stage or early career researchers judged by professional and academic experts. Kirsty was shortlisted from hundreds of applicants to present her work in the Biological and Biomedical Sciences session of the competition. Her poster on the ability of ultraviolet-B (UV-B) radiation, a natural component of sunlight, to enhance plant defense against insect pests was judged against dozens of other biologists’ research in the only national competition of its kind. Although Kirsty’s poster didn’t win the session, it is a real achievement that her research was short-listed.

New James Herriot Scholar in School of Veterinary Medicine

The new James Herriot Scholar in the School of Veterinary Medicine is Mark Spilman, who is in Farm Animal Practice with the Bishopton Veterinary Group. Mark qualified in 2006, and is now a key member of the practice’s advanced cattle breeding team which uses embryo transfer, ultrasound-guided oocyte aspiration, and recently also flow cytometry and CASA technologies for bull semen evaluation.

Mark’s interest in improving bovine fertility led to his decision to undertake a Masters project at the Veterinary School supervised by Drs Mihm Carmichael and Ellis from the Production Animal Division. His aim is to find objective ways of assessing bull semen quality stored and used for artificial insemination (AI) on Yorkshire farms, and the Scholarship Fund will allow him to generate new data, to clearly define for his Yorkshire clients what ‘good fertility’ AI semen is, as well as highlight any detrimental influences of on-farm storage and handling.

Meet our Inspiring People
Recent editions of Campus E-News have featured a new series called ‘Meet our Inspiring People’; including from MVLS:

Dr Jo-Anne Murray, Associate Dean of Digital Education

Dr Neal Millar, Consultant Orthopaedic Surgeon and Senior Clinical Research Fellow in the Institute of Infection, Immunity and Inflammation

In Memory of Professor Anthony J Hedley

Professor Anthony J Hedley, former Professor at the University of Glasgow, died on 19 December 2014. Professor Hedley joined the University in 1983 as Titular Professor of Community Medicine. He held the Henry Mechan Chair of Public Health from 1984 to 1988.

Professor Hedley worked in general medicine, geriatrics, endocrinology and diabetes in Aberdeen, Dundee and Nottingham before moving into the field of epidemiology and public health. In 1988, Hedley left the University to take up the post of Professor of Community Medicine at the University of Hong Kong, a post that he had held until his retirement.

In recognition of his outstanding contributions to public health, Professor Hedley received a World Health Organization Medal and the HKSAR Bronze Bauhinia Star in 1999 and 2000 respectively. As a polymath in public health, Professor Hedley’s work spanned a wide spectrum of issues. This included air pollution, tobacco control, life-course epidemiology, health services research and the control of infectious disease.

Congratulations to…….

- Dr Rachel Myles, Clinical Lecturer in Cardiology at the Institute of Cardiovascular & Medical Sciences, who has been awarded an Intermediate Clinical Fellowship by the Wellcome Trust to continue her research into the mechanisms of ventricular arrhythmias following myocardial infarction. Rachel’s project will build on existing collaborations with research teams at the Universities of Leicester and California, Davis to investigate the role of the autonomic nervous system in modulating cardiac electrophysiology to produce these life-threatening arrhythmias.
- Dr Julia Cordero from the Wolfson Wohl Cancer Research Centre who has been awarded a 5-year Sir Henry Dale Fellowship from Wellcome Trust/Royal Society for her study entitled ‘Regulation of Stem Cell Function during tissue homeostasis and transformation’. Julia is a developmental biologist and geneticist who combines work on the fruit fly Drosophila melanogaster and mammalian model systems to...
understand the regulation of stem cells during tissue homeostasis and transformation.

- **Professor Christopher Linington**, Chair in Neuroimmunology in the Institute of Infection, Immunity & Inflammation, who has been presented with the Humboldt Research Award which recognises a lifetime of achievements in research with the winner invited to carry out research projects of their own choice in cooperation with specialist colleagues in Germany. The award comes with €60,000 of funding and will support research between Professors Linington and Wolfgang Brueck at the University of Goettingen, Germany. Professor Linington’s research focuses on multiple sclerosis and he will work with his German counterparts to obtain new molecular insights into the mechanisms involved in the disease to generate new therapeutics.

- **Dr. John Bett** on his return to Glasgow to start his first independent lab as a Leadership Fellow in the Institute of Molecular, Cell and Systems Biology. John completed his undergraduate genetics degree in Glasgow in 2002, before working in the US, undertaking his PhD in London, and completing post-docs in London and Dundee on how the ubiquitome is involved in regulating different disease pathways, from cancer to neurodegeneration. He is excited to be returning to Glasgow to start his own research group. The move has coincided with his wife giving birth to their first daughter, so he is also getting used to being a new father!

- **Profs Richard Elliott, Massimo Palmarini** and **Dr Alain Kohl** who have secured a grant from a joint NIFA/BBSRC initiative to support US-UK collaborations in the area of animal health and disease. The CVR will collaborate with the Biosecurity Research Institute at Kansas State University on a project designed to improve understanding and control of emerging bunyaviruses.

- **Prof Sheila Graham** who has secured funding from Medical Research Scotland for a new PhD studentship project entitled "A three dimensional tissue model for examining the mechanism of oncolytic herpesvirus activity and synergy with chemotherapeutic agents." Sheila will collaborate with **Prof Iain McNeish** (Institute of Cancer Sciences) and Dr Joe Conner, Virttu Biologics.
• Dr Charles Masembe, Makerere University, who has been awarded a Wellcome Trust Public Health & Tropical Medicine fellowship to study the transmission dynamics of African swine fever in Uganda. Charles will collaborate with CVR researchers as part of this project and visit us regularly in Glasgow over the next five years.

• Dr Pablo Murcia on the successful award of a project grant from the Horserace Betting & Levy Board to study the intrinsic barriers to influenza virus infections in the horse.

• Dr Elizabeth Sloan, CVR postdoctoral researcher, and Eleonora Melizi, CVR PhD student, who were recently announced as this year’s CVR Travel Award winners. The award is a prize of £1000 for each winner and allows successful applicants to travel to a conference of their choice to share their research.

• Training

Communicating Animal Research with Confidence

Understanding Animal Research (UAR) is running a number of free workshops for researchers who would like to acquire new skills and confidence when speaking about animal research. The University is a signatory to the UAR’s Concordat on Openness in Animal Research is committed to increasing public understanding of the issue. All training is for small groups with a maximum of 12 participants. Courses are offered in:

- Engaging with the public on animal research (21 April 2015)
- Animal research in formal debates and ‘head to head’ media (1 May 2015)
- Media training for researchers – the how and what of animal research (8 May 2015)
- Social media and infographic workshop: telling a story with pictures (15 May 2015)

For further details visit: http://www.understandinganimalresearch.org.uk/about-us/communication-training-courses/

Glasgow Polyomics - ENSEMBL Workshops, 13 — 17 April 2015

Glasgow Polyomics is organising five different workshops that are run through the EBI. The Browser Workshop is aimed at researchers who are interested in getting more out of the Ensembl Genome Browser. The other four API Workshops, listed below, are for those who wish to explore Ensembl beyond the website.
• Day 1: Core (Genes and sequences)
• Day 2: Variation (SNPs and other variants)
• Day 3: Compare (Multi-species comparisons)
• Day 4: Regulation (Promoters, enhancers, transcription factor binding sites and more).

Further info at:

Browser Workshop - http://www.polyomics.gla.ac.uk/course-ensembl-browser.html
Ensemble API workshops - http://www.polyomics.gla.ac.uk/course-ensembl-api.html

Glasgow Polyomics - Metabolomics Data Analysis Workshop, 24 April 2015

Glasgow Polyomics is running a Metabolomics Data Analysis Workshop where participants will learn the practical aspects of conducting a metabolomics experiment - from adopting the best study design to performing the processing, analysis, and interpretation of the resulting data. Further info available at http://www.polyomics.gla.ac.uk/course-metabolomics.html

Glasgow Polyomics - An Introduction to Omics, Autumn 2015

We are thrilled that our course An Introduction to Omics has filled up. However, don’t worry if you have missed out, if you are interested in attending a future course, please email us. We are planning to hold another course in Autumn 2015, and we can put you on the waiting list. Further info available at http://www.polyomics.gla.ac.uk/course-introduction.html

• Impact

Are you doing exciting research? Tell the world about it!

Communicating your research activities, and in particular our outcomes, is an important part of any funding award.

The University provides support for researchers wanting to publicise their work to a wider audience, something funders are increasingly demanding.

The Communications Office can provide advice and support, from writing and issuing press releases, securing TV interviews and opinion articles, to offering guidance on social media, media training and public affairs.

The primary contact for MVLS within the Communications Office is senior communications officer Stuart Forsyth who can be contacted on 0141 330 4831 or at stuart.forsyth@glasgow.ac.uk

Please do get in touch with him if you have any interesting news. The quality and range of research taking place in MVLS is worth sharing and we should not be modest in our efforts to do just that.
**Images of Science**

The School of Life Sciences’ **Prof Kevin O’Dell** was awarded funding from the BBRSC Sparking Award to set up an *Images of Science* exhibition on the Clyde Walkway next to Glasgow Science Centre. The project, run in collaboration with the Glasgow Science Centre (GSC) will feature 14 stunning images from BBSRC-funded groups in MVLS. It offers a great opportunity for academics to expose their research to tens of thousands of people passing the GSC every day, who may have no immediate or apparent interest in science. Each image will be accompanied by a QR code linking to a website with further information. This will offer a novel way of measuring impact (interest in further information) that each research area generated. The original *Images of Science* exhibition was first opened in 2011 and featured 14 images from in the old Faculty of Biomedical and Life Sciences (FBLS).

**BBSRC DTP placement with MVLS Impact Strategy Working Group**

A BBSRC-DTP funded PhD student, **Kasia Jaworska** is currently undertaking a professional internship with the MVLS Impact Strategy Group. The aim of her placement is to raise awareness of the outstanding impact that many research groups and individual researchers based within the College of MVLS have on the society, economy, policy, health and the quality of life.

Kasia is working on re-writing case studies originally submitted to REF2014 to make them accessible for a general audience, conducting interviews with researchers and sourcing interesting stories about impact that was not included in the REF assessment. The interviews so far have focussed on making impact through teaching undergraduate and graduate students in Sports and Exercise Physiology, and a variety of public engagement activities that academics undertake, including one with **Dr Deborah McNeill**, Director of the Glasgow Science Festival.

Anyone wishing to have their story heard and published online is welcome to get in touch with Kasia by contacting Claire Wright: Claire.Wright@glasgow.ac.uk.

More information can be found here: [http://www.gla.ac.uk/colleges/mvls/researchimpact/](http://www.gla.ac.uk/colleges/mvls/researchimpact/)

**Artist in Residence in Molecular, Cell and Systems Biology**

**Ally Wallace** is an Artist in Residence at Molecular, Cell and Systems Biology (MCSB), working in collaboration with staff in the Plant Science group (principally **Dr Allan James** and **Professor Hugh Nimmo**) on a project to make art in response to the laboratory environment. The Plant Science group
uses several different approaches to study the plant circadian clock, particularly the ways in which variations in temperature and light influence the clock and hence plant behaviour. Ally’s work will interpret the scientific process and scientific creativity and he hopes to develop ideas in collaboration with MCSB staff. Ally is keen to hear about any ideas/images/artefacts that might help to convey science to the general public and any members of staff interested in talking to him about their approaches/projects should email Ally at: ally.wallace@ntlworld.com

Ally’s blog can be found at: https://allywallacedotorg.wordpress.com/2014/09/02/science-residency/

Clyde Biosciences Ltd pathway

Professor Godfrey Smith, Professor of Cardiovascular Physiology in the Institute of Cardiovascular and Medical Sciences, writes about the pathway of his research to the creation of Clyde Biosciences Ltd, a company founded in August 2012:

“In 2000 I was collaborating with Jon Cooper (then Electrical Engineering) integrating heart cells into micro fabricated devices (BBSRC funded). With pressure on us to develop commercial tools, I patented a permeabilized heart cell tool that I had developed for BHF funded research. But the meetings (arranged by R&E) with biotech companies and major pharma all returned the same message: our products were interesting but didn’t address the bottleneck in drug screening i.e. detecting pro-arrhythmic drug actions. Francis Burton and I have collaborated in developing novel cardiac assays for 20 years (mainly BHF funded). We designed an instrument (CellOPTIQ) but it only became reality when Clyde Biosciences was founded and we had the following support:

(i) Dr Margaret Anne Craig was awarded a BBSRC-RSE Enterprise Fellowship to help develop the company

(ii) IP group financing (loan of £50k) arranged by R&E

(iii) funding from the University’s Challenge Fund for our new instrument.

Since then Dr Maria Hortigon (supported by a Spanish Research Foundation) has helped develop CellOPTIQ and we received a SMART in 2014 to upgrade the instrument. This was followed by an Impact Accelerator Award in 2014 for further instrument work. After rejecting an initial investment bid mid 2013 we have recently accepted a £2M investment package from Epidarex Capital in late 2014.”

University of Glasgow and partners receive Life Sciences Award

The University of Glasgow and its partners NHS Greater Glasgow & Clyde, ThermoFisher and Aridhia have been presented with a major life sciences award. The group took the first prize ‘Innovative Collaboration’ category at the Scottish Enterprise Life Sciences Awards ceremony in February. The award recognises the group’s efforts to developing innovative infrastructure and collaborations at the South Glasgow University Hospital.
The collaboration has resulted in:

- a £28m Imaging Centre for Excellence, incorporating the UK’s first 7 Tesla MRI scanner on a clinical site and collaboration space for industry;
- a £5m state-of-the-art Clinical Research Facility for precision medicine clinical trials;
- a £30m purpose-built building, incorporating an Innovation Facility which will accommodate the pan-Scotland Stratified Medicine Scotland Innovation Centre (the £20m collaboration between the Universities of Aberdeen, Dundee, Edinburgh and Glasgow, NHS Scotland, Thermo Fisher Scientific and Aridhia Informatics) together with incubator units for industry;

Professor Anna Dominiczak said: “The South Glasgow University Hospital has dedicated space for pharmaceutical companies and Scottish SMEs to engage with clinical academics and NHS clinicians, together with first-rate facilities for undergraduate and postgraduate training.”

Glasgow Polyomics’ public engagement events

On Thursday 26th February 2015, Glasgow Polyomics held their first outreach event of the year - Ginomics at the Pelican Cafe Bar & Bistro. Using data from Mass Spectrometry analysis, this event allowed members of the public to explore the science behind gin. Stefan Weidt, Richard Burchmore, and Mike Barrett, together with Isabel Vincent from WTCMP, and Ewan Henderson of Scotch Broth Events led 60 guests through a variety of molecular gin and food pairings. The event was written up in the Herald (http://www.heraldscotland.com/comment/columnists/why-our-sense-of-smell-is-nosing-up-a-whole-new-world-for-foodies.119629090)

Their next event is another Ginomics event as part of the Edinburgh International Science Festival at the Pickerings Gin at Summerhall Distillery, Edinburgh at 8pm on Sunday 12th April. Tickets are on sale now via http://www.polyomics.gla.ac.uk/event-ginomics-EISF-2015.html

In June, they are teaming up with the Glasgow Science Festival Team and Morrison Bowmore Distillers to run the popular Whiskyomics event, which is now in its 3rd year. A further Ginomics event will ensure there is plenty on offer from our researchers as part of the festival.

- Research news

€7M European Commission Horizon 2020 (H2020) funding for novel, ‘green’ insect control

Insect pests cause more plant damage than either plant pathogens or weeds. There is now the ‘perfect storm’ of increasing insecticide resistance, the need for increased food production, and removal of current insecticides across

Prof Shireen Davies
Prof Julian Dow
agriculture, horticulture and forestry. So there is pressure to discover new targets for insect control that are selective for harmful insects, and may also reduce multiple and/or cross resistance.

In a 4 - year H2020 ‘nEUROSTRESSPEP’ programme coordinated by Professors Shireen Davies and Julian Dow as key co-Investigators (Institute of Molecular, Cell and Systems Biology), species-specific novel insect control agents against insect pest species across agriculture, horticulture and forestry, that pose little environmental risk will be developed by:
1) Rational design of synthetic neuropeptide hormones that interfere with insect fitness
2) Translational insect synthetic biology in genetic pest management, using several cutting-edge approaches. The international nEUROSTRESSPEP consortium is composed of members from 7 academic institutions, 4 government organisations/research institutes, and 3 companies; with an External Expert Advisory Board drawn from government, industry and academia (Europe, USA).

**£13.7 million for stratified medicine**

The University of Glasgow is to share in a £13.7 million investment in stratified medicine.

The Institute of Cardiovascular and Medical Sciences’ Professor Sandosh Padmanabhan is a co-Principal Investigator for an AIM HY (Hypertension) grant funded by the MRC and the British Heart Foundation. Professor Padmanabhan’s work focuses on cardiovascular genomics and therapeutics.

The AIM HY consortium includes the universities of Cambridge, Nottingham, Glasgow and Manchester; UCL, Queen Mary, MRC Biostatistics Unit, Mayo Clinic and Foundation, University of Florida.

High blood pressure (hypertension) is extremely common within the general population in the UK and worldwide and is a major cause of heart disease, kidney disease and stroke. One in three of the UK population will require treatment for hypertension at some point in their lives.

It’s the biggest contributor to the global burden of disease, a burden that is particularly great in ethnic minorities in the UK and in lower and middle income countries. It is also the commonest reason for people to be prescribed long-term medication by their GP. More info at: [http://www.gla.ac.uk/news/headline_395280_en.html](http://www.gla.ac.uk/news/headline_395280_en.html)

**Glasgow leads the way in round 4 of the UK Meningococcal carriage study.**
University of Glasgow staff based at the Dental School, Glasgow Royal Infirmary and colleagues at NHS Greater Glasgow and Clyde and Health Protection Scotland have been engaged in leading the Scottish arm of the UKMENCAR4 study (http://www.ukmencar4.org). The study is investigating throat carriage of meningococci in teenagers following introduction of the UK meningococcal C (MenC) vaccination programme. The study is funded by the Welcome Trust and led by Professor Martin Maiden, University of Oxford. The Glasgow arm involves coordinated activities between UoG (Professor Andrew Smith, Dr David Lappin and Dr Chris Nile), NHS GG&C and Health Protection Scotland (Dr Syed Ahmed, Dr Claire Cameron, Jennifer Reid and Rina Duff) and the Scottish Haemophilus, Legionella, Meningococcus and Pneumococcus Reference Laboratory (Roisin Ure and Andrew Smith). The plan is to sample approximately 2,600 Scottish teenagers. The meningococcal carriage isolates will be analysed to determine capsular phenotype and whole genome sequenced. For details or those interested in collaborating please contact Professor Andrew Smith (Andrew.smith@glasgow.ac.uk).

European partnership helps Glasgow secure funding for early career researcher training
Glasgow has secured funding from the European Commission to help train early careers researchers working on new approaches to tackling cancer. The University has been awarded £388,897 as a partner in the Marie Curie Innovative Training Network ONCORNET collaboration which will train 15 researchers, two of which will be based in Glasgow.

The ONCORNET – Oncogenic Receptor Network of Excellence and Training – project will see researchers study the role that chemokines and chemokine receptors play in cancers.

Prof Graeme Milligan said: “The ONCORNET project is all about training the next generation of leaders. One of the key things about this programme is in terms of the impact agenda. The early careers researchers will have to spend some time in a different university to the one in which they’re based, as well as time within a company. It aims to link together more effectively the community of researchers in Europe. Competition for the training networks is fierce – I believe only around 7% of applications were funded this year – but it offers a great opportunity for Glasgow to access more funding to help develop international collaborations.”

The collaboration was established through the EC’s European Cooperation on Science & Technology (COST) programme – a framework to support transnational cooperation between scientists, engineers and scholars.

- Research funding opportunities
YORKHILL RESEARCH SUPPORT SCHEME - 2015 Call for Applications Round 1 (Fellowships and PhD Studentship)

The YRSS invites applications for a two year Clinical Research Training Fellowship in Paediatrics, a three year Clinical Research Training Fellowship in Paediatric Epilepsy, a non-clinical PhD studentship and two undergraduate summer scholarships in the field of children’s health. The phrase ‘children’s health’ has been used in its broadest sense to include the health and well-being of the foetus, neonate, infant, child, adolescent
as well as the long-term outcome of a person with a condition originating in childhood. Applicants or at least one of their supervisors should be based in a West of Scotland academic or healthcare institute.

Further details are available on the new YRSS website where the application forms can be downloaded, or please contact Jillian Bryce PhD Coordinator, Yorkhill Research Support Scheme on 0141 201 0509 or e-mail: Jillian.Bryce@glasgow.ac.uk. Proposals should be submitted electronically to the YRSS coordinator by the deadline which is **midday on Friday 10th April 2015**.

### 2015 Institutional Strategic Support Funding Call Open

Glasgow Polyomics has launched its 2015 ISSF Funding Call. Details of this call can be found on the Polyomics website at [http://www.polyomics.gla.ac.uk/funding.html](http://www.polyomics.gla.ac.uk/funding.html). This call consists of Catalyst Grants, Pilot Funding, Short Term Support, Matched Fellowships, and Public Engagement Bursaries. If you are interested in applying for any of the schemes, or have any queries about your application, there are information sessions you can attend:

- **Tuesday 10/3/15 - 2–4 pm** - Seminar Room 361, Wolfson link, Gilmorehill
- **Thursday 12/3/15 - 10–12 pm** - Seminar Room, WWTCRC, Garscube Estate
- **Tuesday 17/3/15 - 2–4 pm** - Seminar Room 3, Gannochy, Wolfson Medical Building, Gilmorehill
- **Thursday 19/3/15 - 10–12pm** - BHF C222/223, Gilmorehill

Please follow us on Twitter [@polyomics](https://twitter.com/polyomics), or on Facebook for reminders and updates.

### Do You Have a Brilliant Idea on how to Engage The Public?

Glasgow Polyomics, in partnership with the Glasgow Science Festival, are announcing a new public engagement bursaries scheme. We want to attract PhD students and staff in all Colleges across the University. Researchers can apply for funds to support the initiation, development, and delivery of an activity to engage the public. We particularly welcome applications that span disciplines, for example science with arts/humanities. Applications due **6th April**. Further details on how to apply can be found here: [http://www.polyomics.gla.ac.uk/funding.html#gpBursary](http://www.polyomics.gla.ac.uk/funding.html#gpBursary)

### Research news bytes....

- **University researchers take up new East End residence** More than 45 jobs will be relocated to Glasgow’s east end, when researchers working to address the city’s poor health, move into Bridgeton’s historic Olympia building. A team of 15 from the University of Glasgow will share the space with 30 staff from the Glasgow Centre for Population Health, which is affiliated with the Institute of Health and Wellbeing. More info at: [http://www.gla.ac.uk/news/headline_395863_en.html](http://www.gla.ac.uk/news/headline_395863_en.html)

- **Pancreatic cancer has four distinct types** Researchers including study co-lead Prof Andrew Biankin, Institute of Cancer Sciences, have found that pancreatic cancer can be split into
four unique types, a discovery that could be used to improve treatments for the disease, according to a study published in Nature. More info at http://www.gla.ac.uk/news/headline_396056_en.html

- **Cancer survivors make healthier choices then general population** Researchers including author of the report Dr David Morrison, Institute of Health and Wellbeing, found that most cancer survivors in Scotland eat more fruit and vegetables and stop smoking, but are less likely to be physically active than the general Scottish population. More info at http://www.gla.ac.uk/news/headline_395277_en.html

- **Supporting Older People into Employment (SOPIE): Identifying factors influencing return to work in the over 50s** Professor Ewan Macdonald and Dr Judith Brown from the Healthy Working Lives Group, along with Professor Alastair Leyland, Dr Hilary Thomson and Dr Vittal Katikireddi from MRC/CSO Social and Public Health Sciences Unit have secured funding totalling £715,215 as part of the MRC LLHW Extending Working Lives Partnership Awards. Supporting people back into employment after a period on benefit is an important policy goal but achieving this is particularly difficult for older people and those out of work for health reasons. More info at: http://www.gla.ac.uk/researchinstitutes/healthwellbeing/news/headline_394572_en.html

- **Music helps calm dogs in rehoming centres -- but only if the playlist is varied** Amy Bowman (PhD student, BAHC), Neil Evans (BAHC) and Fiona Dowell (SVM) working with colleagues from the Scottish Society for the Prevention of Cruelty to Animals (Scottish SPCA) have reported that classical music helps soothe dogs at a Scottish SPCA rescue and rehoming centre. More info at: http://www.gla.ac.uk/news/headline_396396_en.html

- **Glasgow scientists tackle animal diseases with US counterparts** Scientists in Glasgow are working with colleagues at Kansas State University to tackle animal diseases caused by bunyaviruses. The University has received a grant of £479,311 from the BBSRC and US Department of Agriculture to look at new ways of controlling emerging viruses. Professor Richard Elliott, Institute of Infection, Immunity and Inflammation, said: “Ensuring our food supplies are safe is hugely important, particularly as demand increases and resources are stretched.” More info at: http://www.gla.ac.uk/news/headline_395632_en.html

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**Teaching news**

**Report on Building and Executing MOOCs**

Colleagues from the first two successful Glasgow University MOOCs (Cancer in the 21st Century: The Genomic Revolution, and Right Vs Might in International Relations) have produced a detailed report, through LTDF funding, on Building and Executing MOOCs. It is available here: http://www.gla.ac.uk/colleges/socialsciences/staff/learningandteaching/mooc/

The report has been designed as a point of reference for future MOOC developments, giving insight into the process, resource and timing involved in producing a MOOC. It highlights quantitative data about the enrolled participants on both MOOCs as well as the pedagogical approach taken in the design and delivery. It also explains the tools and technologies that were deployed and key content sources which were used to make both MOOCs a successful learning experience. We hope this is of interest and benefit to those submitting a proposal or those who are interested in the work we have undertaken in this online space to-date.
Teaching Excellence Awards, deadline 20th March

The University’s Teaching Excellence Awards recognise and celebrate members of staff whose teaching is of a particularly high standard. Both Graduate Teaching Assistants and University staff are eligible to receive awards. The awards are split into two stages, the initial stage at College level with up to two winners from each College being nominated to the next stage for a University award. A Network of Teaching Excellence has also been established in order to share good practice. Full details of the Teaching Excellence Awards process, and the criteria against which nominations will be reviewed, are provided at: www.gla.ac.uk/media/media_387469_en.pdf

The closing date for applications is Friday, 20th March 2015.

Students urged to engage with NSS

The National Student Survey 2015 launched in January, will run until 29 April. The Students’ Representative Council have been undertaking lecture call-outs and placed posters around all campuses.

The NSS is a vital tool used to gather feedback from final year undergraduate students and is used widely in league tables and on the UNISTATS/KIS website. Students provide their feedback on all aspects of their university experience and the University uses the information provided by the students to make improvements in areas of the student experience and share best practice across the university.

Students should be encouraged to take part in the survey by all staff to ensure the University achieves the necessary response rate and to gain this essential feedback from our final year students.

• Dates for your diary

Knowledge Exchange Lunchtime Seminar, 20 March 2015, 12noon – 2pm, Senate Room

The KE and Impact Lunchtime Seminars intend to build on the raised awareness of the importance of knowledge exchange and impact generation.

This session will focus on successfully, mutually beneficial relationships built with external partners, and insights into challenges encountered. The seminar will be interactive and is intended to be relevant to research in any field; we encourage you to bring questions, discussion points or suggestions from your own research and KE activity that you like to share.

Please register via the Eventbrite website

Forthcoming Events:

Innovate UK – Funding & Support – Tuesday 31st March, 2 – 3.30pm, Gilbert Scott 355, Main Building
**3 Minute Thesis competition grand final, 20 March 2015, 3pm, Senate Room**
The 3 Minute Thesis is an academic competition for research students. The following three researchers have been selected from a highly competitive College heat to go forward to the Grand Final on 20th March (3pm, in the Senate Room).

<table>
<thead>
<tr>
<th>Winner</th>
<th>Frederike Müskens</th>
<th>School of Chemistry / School of Life Sciences</th>
<th>‘The 3-Armed Detective’</th>
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<tbody>
<tr>
<td>Runners up</td>
<td>Efe Egharevba</td>
<td>Institute of Health and Wellbeing</td>
<td>‘Clinical Trials / Chronic Disease / Sub-Saharan Africa’</td>
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<td></td>
<td>Mariana Arroja</td>
<td>Institute of Neuroscience and Psychology</td>
<td>‘Developing a New Theory for Stroke’</td>
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You can view their films here: [http://www.gla.ac.uk/students/researcherdevelopment/threeminutethesiscompetition/](http://www.gla.ac.uk/students/researcherdevelopment/threeminutethesiscompetition/)

The winner of the grand final will receive a £1000 travelling/research grant, as well as the opportunity to take part in a national 3MT competition.

Come along and support your MVLS finalists on 20th March!

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**UoG Research Staff Conference, 17 April 2015, 1-5pm, Western Infirmary Lecture Theatre**

This annual event is an opportunity for early-career researchers to get practical advice on career development, publishing, funding, knowledge exchange and good research practice. Early-career researchers are welcomed from all four Colleges.

Themes include:

- Publishing, open access and data management
- European funding for ECRs
- Public engagement and social media
- Fellowship applications
- Careers inside and outside of academia

Audience: Research Assistants, Postdoctoral Researchers, Research Fellows and new Lecturers.

Book a place here: [http://www.gla.ac.uk/services/rsio/researcherdevelopment/annualresearchstaffconference/](http://www.gla.ac.uk/services/rsio/researcherdevelopment/annualresearchstaffconference/)
**Vet School Rodeo, 18 April 2015, 11am-5pm, Garscube Estate**

It’s time again for the Vet School Rodeo! The 55th Annual Rodeo will take place on Saturday, 18th April at the Garscube Estate and will be open to the public from 11am to 5pm.

The event is organized by vet students to raise money for animal welfare-related organizations and is the University of Glasgow’s largest charity event! This year we’ve chosen to donate to: Dogs Trust, Cats Protection, The Guide Dogs for the Blind Association, Students for Animals In Need (SAIN), The Trusty Paws Clinic, The Vet Fund, Willows Animal Sanctuary & Animal Assisted Therapy Unit, and Riding for the Disabled Association Glasgow Group.

GUVMA’s Rodeo aims to provide a day of fun and entertainment for the entire family, while supporting charitable causes. Further info available at: [www.facebook.com/Rodeo2015](http://www.facebook.com/Rodeo2015)

**Glasgow Polyomics NGS Glasgow 2015, 21-23 April 2015**

Glasgow Polyomics has partnered with Biotexcel to host a two day RNAseq conference from 21st — 23rd April 2015. NGS Glasgow 2015 will feature keynote speakers Dame Professor Janet Thornton, Professor David Porteous, and Professor Sean Grimmond. If you are interested, visit the website for more information: [http://www.polyomics.gla.ac.uk/event-ngs2015.html](http://www.polyomics.gla.ac.uk/event-ngs2015.html)

**School of Medicine International Summer School, 22 June - 10 July 2015**

Following a successful pilot in 2014, the School of Medicine is running an International Summer School from June 22nd to July 10th 2015, in collaboration with the Recruitment and International Office. The summer school is aimed at international students studying for a degree in biomedical science and is looking to progress to postgraduate study in medical science.

This course will use a variety of teaching methods and students will cover basic medical science and latest developments and research studies in key areas, including: child health; adult life / elderly; critical care; forensic medicine; infection and immunity.

The summer school is a great opportunity to highlight the range of postgraduate degrees on offer within the School of Medicine, and will give students an understanding of research taking place there, and will hopefully attract students to return to Glasgow for further study in the future.
If you are interested in participating in the Summer School by delivering a session then please contact Sharon Sneddon at sharon.sneddon@glasgow.ac.uk

Face Facts at the Royal Society of London’s Summer Science Exhibition, 30 June-5 July 2015

Researchers from the Institute of Neuroscience and Psychology will present an interactive exhibit on their research at this year’s Royal Society of London Summer Science Exhibition (30 June - 5 July, Royal Society, London). “Face Facts: Revealing the Information Hidden in Faces” demonstrates methods they have developed to reveal the complex information extracted from faces during social interactions and how this information influences social decisions. The exhibit also showcases their recent work on how cultural factors, such as the traditions of the country a person grew up in, and biological factors, such as aspects of their health, influence how people perceive faces. The exhibition team is led by Dr Lisa DeBruine, Dr Rachael Jack, Professor Philippe Schyns and Professor Ben Jones. The accompanying image demonstrates their 3D face capture and analysis system, which can apply different combinations of movements to any face.

Association for Medical Education in Europe, 5-9 September 2015

The School of Medicine is delighted to draw your attention to the Association for Medical Education in Europe (AMEE) conference which will be returning to Glasgow in September 2015 (5-9th). AMEE is an international organisation promoting excellence in education across the continuum of undergraduate, postgraduate and continuing healthcare professions education. The annual conference attracts around 3,500 delegates from about 100 countries and as the host Institution the Medical School has already set up a local AMEE committee to support this event. It represents a great opportunity to showcase the educational excellence within MVLS.

Registration for the conference opens in May 2015. As the host institution, staff and students are entitled to reduced registration rates.

For more information see: http://amee.org/conferences/amee-2015

We’re grateful for your support of this important meeting. Glasgow is a fantastic place to train as a healthcare professional: help us to prove it to the world.

Prof Matthew Walters & Dr Joanne Burke, Co-Chair, AMEE Local Organising Committee
Seminar Links
Infection, Immunity and Inflammation:
http://www.gla.ac.uk/researchinstitutes/iii/research/seminars/

Biodiversity, Animal Health and Comparative Medicine:
http://www.gla.ac.uk/researchinstitutes/bahcm/events/instituteseminars/

Institute of Cancer Research:
http://www.gla.ac.uk/researchinstitutes/cancersciences/events/headline_386719_en.html

Beatson Institute:
http://www.beatson.gla.ac.uk/Seminars.html (Please note that the Beatson seminars are open to University of Glasgow Staff, but not to the general public).

Institute of Neuroscience and Psychology:
http://www.gla.ac.uk/researchinstitutes/neurosciencepsychology/newsandevents/seminars/

Institute of Cardiovascular and Medical Sciences:
http://www.gla.ac.uk/researchinstitutes/icams/events/

Institute of Molecular Cell and Systems Biology:
http://www.gla.ac.uk/researchinstitutes/biology/seminarseries/

Institute of Health and Wellbeing
http://www.gla.ac.uk/researchinstitutes/healthwellbeing/events/mauriceblochannuallectureseries/

Polyomics: http://www.polyomics.gla.ac.uk/events.html#gpPathways

- Events

MVLS Christmas Council, 19 December 2014

The MVLS Christmas Council was held on Friday, 19 December 2015. Colleagues enjoyed mince pies and mulled wine whilst hearing from College Management Group members (Prof Anna Dominiczak, Directors of Research Institutes, Heads of Schools, Deans) about the top three achievements from their areas over the past year.

In addition, the College Teaching Excellence Awards (CTEA) were presented, and prizes were given to the winner and runners up of the Images with Impact competition. The images from the competition were displayed, and festive music was provided by Miss Alice Gee, Head of Research Administration, and her quartet Westerly Winds.
CTEA presentation to Biology Teaching Centre

CTEA presentation to Dr Joanna Wilson

CTEA presentation to Medical Genetics Teaching Team
Russell Group-China Summit on Public Health Opportunities and Challenges, 4 February 2015

The Institute of Health and Wellbeing hosted a Russell Group-China Summit on Public Health Opportunities and Challenges on 4, February 2015. The summit included speakers from China, Hong Kong and the UK and included time to discuss and agree priority areas where the UK and China should collaborate to improve global public health.

This was the second event in the Russell Group-China Collaborative Programme, a series of themed events at Russell Group universities focusing on key research issues for the UK and China.

Prof Joseph Sung, Vice Chancellor and President of the Chinese University of Hong Kong, gave the keynote address. In addition, Prof Sung met colleagues from around the institution to better understand the strengths and interests of UoG.

The summit ended with a declaration as follows: “China and the UK face common and substantial challenges to their health care and public health systems. We commit to working together to improve our populations' health, reduce health inequalities and thereby contribute to better and more equal global health. We regard these challenges as an opportunity to learn how to optimise health care and public health systems, but also to learn with each other.”

CVR celebrations, 6 - 7 February 2015

A symposium on Friday 6th February marked the Scientific Opening of the Sir Michael Stoker Building. This event was first and foremost a celebration of the new Sir Michael
Stoker Building and the CVR’s co-location on the Garscube campus, but it was also a time to acknowledge the history and legacy of virology research in Glasgow. In addition to CVR staff and students, we were delighted to have many friends, collaborators, and Glasgow virology alumni in attendance.

Then on Saturday 7th February, more than 200 attendees gathered to mark the 20th Glasgow Virology Workshop. Attendees enjoyed an impressive selection of local, national and international speakers who shared their cutting edge virology research with us.

Celebrations concluded on Saturday evening with a ceilidh in Partick Burgh Hall for CVR staff, students and workshop attendees. We gratefully acknowledge funding from the Ferguson Bequest. 

Professor Thomas Ferguson (1900-1977), Henry Mechan Chair of Public Health (1944-1964), bequeathed his estate to the University, with the instruction that the money be used to foster the social side of University life.

ICAMS Burns Supper and Ceilidh, 6 February 2015

The Institute held a Burns Supper and Ceilidh on Friday 6 February. There was a great turn out and the evening started with Dr Martin MacBride, suitably attired in the “McBride Tartan” giving the Selkirk Grace, Professor Godfrey Smith used all his dramatic skills to address the Haggis. Followed by Professor Naveed Sattar “Toast to the Lassies” and a spirited reply from the Lassies was given by Dr Jennifer Logue. The MC for the night was Dr Stuart Nicklin who asked us to be upstanding for the Haggis. Following a traditional meal and a few drinks the Ceilidh commenced. Some spirited moves were performed which resulted in a few bumps and bruises at the end of the night. A great night was had by all. See you next year!

- From Institutes

Institute of Cardiovascular and Medical Sciences:

Pulmonary Vascular Research Institute: Prof Mandy MacLean leading taskforce
The Pulmonary Vascular Research Institute is an international independent, global medical research charity spanning more than 60 countries with over 700 members. The PVRI works to improve care of pulmonary arterial hypertension (PAH) affected people by increasing awareness, promoting educational programmes, and helping establish clinical networks in developing countries. They research into the causative mechanisms of the disease and potential new medicines. They have regional, disease and speciality taskforces which are all clinically focussed. The 8th PVRI Annual World Congress was held in Guangzhou in China in January. Prof Mandy MacLean presented a lecture and hosted a discussion with Nick Morrell, Cambridge and Lucie Clapp, UCL on novel therapeutic approaches to PAH. This focussed on basic and translational science. It was decided that the PVRI needed a taskforce to draw together basic and translational scientists in the field and Professor MacLean has been asked to head this taskforce. This will provide unique opportunities for International networking.

Institute of Infection, Immunity and Inflammation

The second BSI Leukocyte Migration Affinity Group meeting

The second BSI Leukocyte Migration Affinity Group meeting, Leukocyte Migration in Health and Disease, was held at the Medical School in Birmingham on the 10-11\textsuperscript{th} of February 2015. The meeting attracted ninety attendees from across the UK and beyond. A lively and friendly event, the meeting provided the perfect opportunity for delegates to discuss the latest cutting edge leukocyte migration research, and form new contacts within the research community.

The Centre of Immunobiology within the 3Is Institute was well represented at the meeting. Drs Clive McKimmie, Chris Hansell and Megan MacLeod, and Prof. Rob Nibbs, are members of the organising committee along with colleagues from the Universities of Birmingham and Sunderland. In addition, Drs Steven Bryce, Vicky Morrison, and Kave Shams, all working within the Centre, presented short talks that were very well received by the audience, prompting much discussion about their research. Numerous others within the Centre presented posters at the lively poster session on Tuesday evening.

Dr Christine Wells’ lab had some big papers published in December 2014

We participated in the Project Grandiose stem cell reprogramming consortium, and lead the data analysis and integration part of the consortium on our www.stemformatics.org platform. This is the platform that 3iiiformatics is using.

Two back to back papers were published in Nature:

http://www.nature.com/nature/journal/v516/n7530/full/nature14047.html
http://www.nature.com/nature/journal/v516/n7530/full/nature14046.html

as well as three satellite papers in Nature Communications.

The project was remarkable because it discovered a new pluripotent stem cell state - the "F-class" cell. The results of the paper were covered in an editorial feature in Nature:


and the work resulted in a lot of media attention and social media commentary.

The data can be found here: http://www.stemformatics.org/project_grandiose

Congratulations to PhD students

The Institute would like to congratulate the following students on successful completion of their PhD studies:

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<tr>
<th>Name</th>
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<tr>
<td>Abhinav Sinha</td>
<td>Hannah Bayes</td>
<td>Pauline Craig</td>
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<td>Aileen Helps</td>
<td>Hatim Nada</td>
<td>Rhys Grinter</td>
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<td>Amy Goundry</td>
<td>Ihsan Ullah</td>
<td>Roy Mwenechanya</td>
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<td>Anubhav Srivastava</td>
<td>James Dale</td>
<td>Saskia Egarter</td>
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<td>Ashleigh Ann Rainey</td>
<td>James Doonan</td>
<td>Stephanie Ailsa Houston</td>
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<td>Aziza Elemesmari</td>
<td>Joanna Cappell</td>
<td>Stephen Welch</td>
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<td>Bartosz Szafran</td>
<td>Kate Chapple</td>
<td>Steven Bryce</td>
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<td>Carolyn Ann Thomson</td>
<td>Katherine Beckham</td>
<td>Steven Johnstone</td>
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<td>Christopher James Hind</td>
<td>Kay Hewit</td>
<td>Sultan Al-Ghamdi</td>
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<tr>
<td>Claire Donald</td>
<td>Laura C McCaughey</td>
<td>Susan Bennett</td>
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<td>Clare Tange</td>
<td>Livia Henderson</td>
<td>Tiia Semenoff</td>
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<tr>
<td>Dong Li</td>
<td>Majid Sakhi Jabir</td>
<td>Wan Ho Fan</td>
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<tr>
<td>Felicity Herrington</td>
<td>Paola</td>
<td>Yasar Yousafazi</td>
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<tr>
<td>Francesc Galban Horacajo</td>
<td>Patrick Adu</td>
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Institute of Neuroscience and Psychology

Results of Research Excellence Framework (REF 2014)

Glasgow was rated first in the UK (joint with UCL) for Research Intensity in Psychology, Psychiatry & Neuroscience (Unit of Assessment 4), according to the Times Higher Education (THE). Those submitted included School of Psychology contracted Research and Teaching staff, together with Psychologists, Cognitive Scientists and Biological researchers in the Institute of Neuroscience and Psychology. The submission attracted the top grade of 4* for a high proportion (44%) of its assessed research. Psychology commented that the results reflect the diversity as well as excellence of its researchers and show a genuine bridge between the research interests of MVLS and the College of Science & Engineering. Obviously, everyone has their own favourite metric, but interestingly THE decided to take this approach to identify ‘true’ research intensity in response to demand from the
academic sector. In the end, any league table which reads with Glasgow first equal in front of Kings College London with Cambridge, Edinburgh & Imperial ranked 7th, 8th, and 10th is worth quoting.

http://www.gla.ac.uk/researchinstitutes/neurosciencepsychology/

Institute of Health and Wellbeing

Professor Tom McMillan wins Barbara Wilson Award

Professor Tom McMillan was recently awarded the Barbara Wilson Award from the British Psychological Society (BPS) Division of Neuropsychology. The award recognises outstanding contributions to neuropsychology in the UK. Professor McMillan was selected on the basis of his internationally recognised research into the neuropsychology head injury, and for his contribution to the development services for people with head injury in the UK. He said: ‘It is especially gratifying to receive acknowledgement through an award of this kind from peers from my profession’. Professor McMillan was also the founder of the professional group for clinical neuropsychology in the British Psychological Society. He is Professor of Clinical Neuropsychology as well as Consultant Clinical Neuropsychologist and adviser on brain injury rehabilitation for NHS Greater Glasgow and Clyde.

Global Health Forum Scholarship for IHW doctoral student

A first year PhD student, Siobhán O'Connor, based in General Practice and Primary Care recently received a Global Health Forum Scholarship. This enabled her to attend the Global Health Forum in Taiwan (www.twghf2014.org) from 30 November to 1 December 2014, where she participated in a Young Global Health Forum working group. This international scholarship is designed to foster collaboration between Europe and Asia on a number of important issues in global health and development and provide a forum where young researchers from both continents can learn and work together. Miss O'Connor, who is supervised by Professor Frances Mair and Professor Kate O'Donnell, also undertook a number of conference activities such as interviewing expert speakers, tweeting and blogging highlights from the two-day programme and she also presented a research poster entitled, “Engaging citizens in digital health and wellbeing technologies and services. Lessons learned from European health systems”.

Institute of Biodiversity, Animal Health and Comparative Medicine

BBSRC strategic Longer and Larger grant (sLoLa): The BUG consortium

A team of scientists from the Institute of Biodiversity, Animal Health and Comparative Medicine, together with colleagues from other UK Institutes, were recently awarded a BBSRC strategic Longer and Larger grant (sLoLa) to tackle the problem of anthelmintic resistance (AR) in veterinary nematodes.

The BUG Consortium will use new sequencing technologies to investigate genetic changes that confer AR in parasitic nematodes of sheep. The major of aims of the project are: to develop genetic markers for early diagnosis of AR, to model the
spread of resistance under different treatment strategies, and to use the parasite genome as a tool for vaccine discovery.

The total award is £2.9 million, of which £1.35 million will come to the University of Glasgow. The Glasgow team includes Professor Eileen Devaney (PI), Dr Roz Laing, Professor Barbara Mable, Dr Collette Britton and Dr Louise Matthews. More information is available on the BUG Consortium website http://bugconsortium.wordpress.com/ and at http://www.gla.ac.uk/news/headline_387178_en.html

A shared virus between lions and domestic dogs: Proceedings of the National Academy of Sciences of the USA (PNAS)

An international study led by Tiziana Lembo and Mafalda Viana of the Institute of Biodiversity, Animal Health and Comparative Medicine (BAHCM) raises questions about how to combat Canine Distemper Virus (CDV) in vulnerable wildlife. CDV control poses challenges due to its ability to infect multiple species. In 1994, an epidemic believed to have originated from domestic dogs killed ~1000 lions in the Serengeti (Tanzania). Dog vaccination started to prevent disease transmission to wildlife. However, long-term CDV persistence and vaccination impacts on lion infection remained unclear. The study showed that, although dogs were initially responsible for transmission to lions, lion infection is no longer consistently related to that in dogs. This suggests that CDV may now be maintained by a broader carnivore community, explaining why dog vaccination has not prevented CDV transmission to lions. This research has opened the floor for discussion about alternative strategies to control CDV in wildlife.


PhD research student works in partnership with Brazilian National Centre for Bird Conservation for the preservation of the migratory birds.

Bianca Pinto Vieira, a first year PhD student under the supervision of Dr. Ruedi Nager and Prof. Robert Furness, conducted the first survey of black skimmers in Brazil. This is the first study about the effects of anthropogenic climate changes on the habitat choices and migration of black skimmers. The research will use the most up-to-date methods to track birds throughout the South American continent. The project is a partnership with the National Centre for Bird Conservation (CEMAVE/Brazilian Ministry of Environment). CEMAVE is providing fieldwork support and will use this research to guide government actions and national conservation plans concerning migratory birds in Brazil. Bianca receives the support of CAPES through the Science without Borders Program.
**Clyde River Foundation**

The Clyde River Foundation has welcomed the 20,000\textsuperscript{th} pupil to its largest education project, ‘Clyde in the Classroom’. In January over 2800 children from 107 classes across the west of Scotland embarked on a fishy eco-adventure based around the River Clyde and its most widespread resident, the brown trout. During the project children raise brown trout from eggs to fry in a classroom hatchery, before releasing them into their local river. Each class is assigned a Clyde River Foundation scientist as a ‘Trout Mentor’ who helps monitor development of the fish during weekly visits, but the pupils themselves are responsible for the day-to-day running of the hatchery. The project, which aims to inspire children to engage with nature and protect their local environment, has been described as “the highlight of the school year” and has become a valued tool for delivering a range of Curriculum for Excellence learning outcomes. See www.clyderiverfoundation.org and http://www.clydeintheclassroom.com for more info!

**From Schools**

**School of Medicine:**

**Getting in!**

From over 1800 applications, MBChB Admissions has to recruit approximately 230 students each year. After careful analysis of all aspects of the application a proportion of candidates are invited to attend for interview. In December 2014, for the first time, the interviews were held in the New Lister Building at the Glasgow Royal Infirmary.

The new venue proved to be ideal. Using one of our hospital clinical teaching areas also allowed us to raise our profile, strengthen our relationship with clinical colleagues and to promote the high quality teaching facilities that are available to medical students studying at the University of Glasgow.

Over 600 applicants were interviewed by approximately 230 interviewers. Our interviewers were drawn from a wide range of hospital and general practice based disciplines as well as medical school teaching staff. Sincere thanks to all who were involved in this successful development for the Medical School.

*Mr Graham Haddock, Operational Lead for Undergraduate Medical School Admissions*
School of Veterinary Medicine:

**Congratulations to Cochno Farm & Research Centre for milk hygiene award**

In February Cochno Farm & Research Centre received an award in a national competition on milk quality run by National Milk Records (NMR). NMR routinely sample raw milk from dairy herds in the UK and the University’s herd was recently placed 3rd best out of over 1,000 in the Scotland and the North of England region for milk hygiene in the 2014/2015 competition. The hygiene award was based on our consistent low somatic cell count (SCC) in our milk, where our herd has one of the lowest averages for SCC within the industry. **Dr Peter Hastie**, Academic Farm Director said “High SCC are an important indicator of sub-clinical or clinical mastitis, so this award is due recognition of the dedication to high levels of management and stockmanship exhibited by the farm staff and vets at Cochno, and especially the Herdsman (**Neil Hards**) and Relief Dairy Stockperson (**Carol Chestnut**).”

**Equine Clinical Scholar presents research at American Association of Equine Practitioners Convention**

**Sylvia Maliye** of the School of Veterinary Medicine recently presented her research entitled ‘Clinical hindlimb lameness is frequently associated with significant compensatory forelimb lameness’ at a meeting of the American Association of Equine Practitioners in Salt Lake City, Utah. The American Association of Equine Practitioners is the largest equine veterinary association with almost 10,000 members across 61 countries. Sylvia is a Senior Clinical Scholar in Equine Surgery at the Weipers Centre Equine Hospital and is conducting research to investigate lameness in the horse under the supervision of **Dr John Marshall**.

**Dr Claire Welsh joins the School of Veterinary Medicine to improve equine welfare**

We are pleased to welcome **Dr Claire Welsh** to the School of Veterinary Medicine where she is undertaking a postdoctoral research position. Claire is a graduate of the University of Glasgow; she gained both her BVMS and PhD degrees from the School of Veterinary Medicine. Claire is applying data analysis techniques to investigate equine diseases using large medical record databases. This project is funded by the Animal Welfare Foundation and is supervised by **Dr John Marshall** and **Dr Tim Parkin**.
• Other news

Could you run 250km in 7 days across the Sahara desert?

Nope, neither could I. But in an effort to raise money for the British Heart Foundation, ICAMS post-doc Adam Harvey will do just that by competing in the 2015 Marathon des Sables. Billed as the "world's toughest footrace", competitors run approximately 250km in a one week period, the equivalent of 6 marathons in 7 days, carrying all the required equipment themselves in heat that exceeds 45°C. Every penny raised from donations will go directly to the BHF and donations can be made online at www.justgiving.com/Adam-Harvey4/ Good luck, Adam!

Glasgow University Charity Zip Slide, Saturday 18 April 2015

Would you like to zoom across the River Clyde and raise funds for cancer research at Glasgow University? Then you can take part in the sixth University of Glasgow Charity Zip Slide. No experience is necessary for the Zip Slide as full instruction will be given on the day by ALPS Outdoor. Entry fee is £40.00. Anyone can take part who is over 16 years of age. The Zip Slide will raise funds for the Paul O’Gorman Leukaemia Research Centre, The Beatson Pebble, Think Pink Scotland and the Brain Tumour Research Fund.

Register online at http://www.gla.ac.uk/alumni/events/headline_385794_en.html

For further information, contact Susanne Hill Susanne.hill@glasgow.ac.uk 0141 330 5092


Can you climb a Munro and raise funds for leukaemia research at Glasgow University?

Then you can take part in Munro Challenge! The aim of the event is to put as many University representatives on top of as many of Scotland's 282 Munros as possible, throughout the holiday weekend of May 23-25th. Munro Challenge is fundraising for the Paul O’Gorman Leukaemia Research Centre at the University. Participation should be in teams of between 2 and 8 persons, with at least one person in each team being an experienced walker. All participants will be asked to sign a disclaimer and be provided with safety guidelines. Registration is free.

For further information please see our web page: http://www.gla.ac.uk/alumni/events/headline_390961_en.html or contact Susanne Hill susanne.hill@glasgow.ac.uk 0141 330 5092

UoG staff prepare for Monte Carlo or Bust rally
Three UoG staff members are taking part in the ‘Monte Carlo or Bust’ banger rally from Saint Quentin to Monte Carlo from 16-19 July 2015. The team called ‘The Mad Molars’ is made up of: Jeremy Bagg, Head of the Dental School; Neil Campbell, Director of Campus Services; and Ronnie Ford, Transport Services Manager.

The rally involves buying a car for under £300 and driving from the city of Saint Quentin to Monte Carlo via Dijon, Geneva and Turin. The team has acquired a 1977 Leyland Princess for the event. The teams take part in daily challenges en route and the rally ends with an awards presentation on the final night in Nice.

The Mad Molars are raising money for Glasgow Dental School as part of an on-going appeal for £300K to develop a new Dental Technology Teaching Suite. Please donate through their JustGiving page and keep up with their adventures on Facebook.

New homes in Malawi for old laptops

Last year more than 200 laptops were donated to schools in Malawi by University staff. Through the Wellcome Trust Centre for Molecular Parasitology (WTCMP), staff donated their unused laptops which were given to the Scottish charity Malaptop. These laptops were loaded with educational material developed by WTCMP and sent to schools in Malawi.

Prof Andy Waters said “Malaptop aims to ensure that future generations in Malawi are in a good position to take full advantage of technologies as they become available, and we are delighted to see our surplus equipment being put to such good use”

If you have a surplus laptop you wish to donate please e-mail Alex.Mackay@glasgow.ac.uk

Cycle for Malawi Raises £1,100

Colleagues from across MVLS came together to raise funds for flood victims in Malawi recently. The fundraiser organised by Alex Mackay of the Wellcome Trust Centre for Molecular Parasitology involved relay teams cycling all throughout the day in the Sir Graeme Davies Building. Colleagues from the University Sports and Recreation Service (David Watt & Maya Pancewicz) staged taster sessions of Pilates and Zumba and a giant raffle made the day a fun event for everyone. Alex said “Thanks must go to the many cyclists, supporters and sponsors particularly Andy Fagan from LICOR who contributed their time and energies to make this day a great success”
BHF fundraising day: Wear It! Beat It!

On 9 February, the Institute of Cardiovascular & Medical Sciences staff participated in the BHF fundraising Day: Wear It Beat It! We had a Great BHF Bake Off Competition and a raffle from which a fantastic £251.88 was raised for the BHF. Thanks to everyone who participated, and congratulations to Star Baker, Wendy Beattie!

University’s District Heating Scheme

The latest information on the District Heating Scheme, and how this affects access in and around the Gilmorehill campus, is available here: http://www.gla.ac.uk/staff/news/headline_397058_en.html

Newsletter feedback

The quarterly College Newsletter welcomes submissions from all MVLS staff and honorary staff. Articles should be up to 150 words long, and it would be helpful to include an accompanying photograph or graphic (in jpeg format where possible). Please send your articles, feedback on the Newsletter, ideas and suggestions to mvls-newsletter@glasgow.ac.uk. Thank you!