Wales Community Nursing Research
Wales School for Primary Care Research
13th September 2013

Ymchwil Gofal Sylfaenol Cymru

Rhannu a Datblygu Rhagoraeth
Sharing and Developing Excellence
Keep it Simple!

- **Problem/Challenge – Research & Evidence**
- **Improve Health & Wealth of Wales**

- **Professor Joyce Kenkre**
- **Dr. Carolyn Wallace - Reader**

[www.wspcr.ac.uk](http://www.wspcr.ac.uk)
Primary Care Research History

- 2006 – NIHR England Primary Care Research (8 HEI £3m) – now £4m.
- 2007 – Scotland Primary Care Research (9 HEIs)
- 2008 – WSPCR initially funded for 3 years £740k
- 2010 – RRG NISCHR Status - funded for 5 years - £2.6m
- 2011 – £480k to fund support Fellows/pilot studies

www.wspcr.ac.uk/news.php
WSPCR - Team

Multidisciplinary Professorial Board of Directors:

- General Practice - Chris Butler – Chair
- Dentistry - Ivor Chestnutt – Deputy Chair
- Nursing & Midwifery (Joyce Kenkre)
- Professions Allied to Medicine (Robert Van Deursen)
- Optometry (Rachel North)
- Pharmacy (Stephen Denyer)

Support:

- Dr Micaela Gal – Microbiology/genetics
- Dr Rhiannon Phillips – Health Psychology
- Dr Carolyn Wallace - Nursing
- Dr Nick Francis - GP
- Dr Gurudutt Naik - GP
- Dr Mohammed Mustafa - GP
- Dr Samuel Coenen - GP
- Angela Watkins - Communications
- Robyn Davies - Manager
Formal Academic Partnerships

 Joined 2013

“Rhannu a Datblygu Rhagoraeth - Sharing and Developing Excellence”
Shared Mission

“To promote a ‘step change’ improvement in the quality and quantity of multi-disciplinary primary care research in Wales and compete on a World stage with research of an international standard generating evidence that is locally applicable and internationally relevant to inform practice and policy in Wales and beyond”
National School – Wider Aims & Objectives

- To maintain, coordinate and develop strong academic leadership from within the primary care research community.
- To build research capacity and capability across Wales and across all primary care disciplines.
- To increase the research evidence-base for primary care practice in order to facilitate the implementation of the vision outlined in ‘Designed for Life’ and to inform clinical practice and health care policy.
- To contribute to NISCHR aims and objectives and support the needs of collaborators.
- To promote the interests of primary care research among professional bodies in Wales and beyond.
Keep it Simple!

- Research … Evidence to answer a Problem?
  - Professor Joyce Kenkre
  - Dr. Carolyn Wallace - Reader

www.wspcr.ac.uk
NISCHR - Infrastructure

- Welsh Arthritis Research
- Epilepsy Research
- Mental Health Research
- Older People and Aging (OPAN)/inc Stroke
- Thematic Research Network for Emergency & UnScheduled Treatment (TRUST)
- Lung Research
- Diabetes Research Network (DRN)
- Dementias & Neurodegenerative Diseases Research (NEURODEM)

Cardiff University
- Cardiovascular Research (CvRGC)
- Children & Young People Research
- Patient Safety & Healthcare Quality Research
- Learning Disabilities, Autism & Neurodevelopment Disorders (LDAN)
- Public Health Improvement Research Network (PHIRN)
- Wales Cancer Trials Unit
- Microbiology & Infection Translational Research
- Kidney Research

Swansea University

Bangor University
- Wales - NISCHR Registered Research Groups (RRGs)
Goals

4Cs

REALISATION

TRANSLATION

PUBLICATION
RRG - Goals

- **REALISATION:**
  - Win primary care research **funding** that is:
    - High quality and value.
    - Multi-disciplinary, collaborative and innovative.
    - Consistent with Welsh primary care priorities and policy.

- **TRANSLATION:**
  - From evidence based primary care research to primary care practice, for the benefit of the patients of Wales and beyond.

- **PUBLICATION:**
  - Influence clinical practice and primary health care policy through targeted publication and dissemination of research.

- **4Cs - CULTIVATION, COLLABORATION, CAPABILITY & CAPACITY:**
  - Build collaborations, involving users, developing research leadership and networks, **build research capability & capacity.**
Portfolio Growth

<table>
<thead>
<tr>
<th>Year</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>£28,326,990</td>
</tr>
<tr>
<td>2012</td>
<td>£41,719,533</td>
</tr>
<tr>
<td>2013</td>
<td>£69,542,044</td>
</tr>
</tbody>
</table>
Dr Micaela Gal - RAPP-ID: Development of RApid Point-of-Care Test Platforms for Infectious Diseases

- Launched in April 2011, supported by the Innovative Medicine Initiative (IMI)
- A public-private partnership between the European Union and EFPIA
- 5 year project awarded €14.5 million Euros
- Involves 5 major pharmaceutical companies, 10 Universities and 5 SMEs across Europe
- RAPP-ID aims to develop state of the art Point of Care Tests (POCTs) for the rapid detection of bacteria, fungi and viruses as well as resistance to antimicrobial drugs. A focus on Sepsis, Lower Respiratory Tract Infections and Tuberculosis

- Led the Initial POCT scoping assessments
- Identified key areas of relevance to clinicians, clinical trialists and POCT developers.
- Developed the User Requirement Specifications (URS) document for each target disease.

RAPP-ID emphasizes a great practice partnership between academia, clinicians, technologists, basic scientists and Industry.
RAPP-ID: Development of RApid Point-of-Care Test Platforms for Infectious Diseases

Who will benefit from RAPP-ID?

- **Patients:** Targeted antibiotic treatment reduces mortality, preserves current antimicrobials and prevents usage of highly toxic last-line and less efficient antimicrobial drugs.
- **Clinicians:** By developing algorithms for better diagnosis and tailor-made treatments.
- **Health care facilities:** Reduced transmission of MDR organisms due to improved infection control.
- **The pharmaceutical industry:** Rapid POCTs will better identify patients who would be eligible for studies, reduce time for enrolment and hence costs of development of new drugs.

www.rapp-id.eu
Other Progress - Extra Funding – Responsive Awards

- Launched in 2010
- Open Call - Decisions every 3 months
- 120k pa (£480k total) to support
  - Grant Writing Fellowships or
  - Pathway Pilot studies
- Developed/supported with NISCHR

www.wsipcr.ac.uk/news.php
Support Criteria

- Consistent with Welsh Health Priorities
- Primary Care Focused
- Potential for High Value & Quality
- Translational Potential
<table>
<thead>
<tr>
<th>PI</th>
<th>Institution</th>
<th>Affiliation</th>
<th>Name of Project</th>
<th>Type</th>
<th>Approved</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nefyn Williams</td>
<td>Bangor</td>
<td>NWCS, Bangor</td>
<td>Activity Increase Despite Arthritis (AIDA)</td>
<td>Fellowship</td>
<td>13/09/2011</td>
<td>£10,000</td>
</tr>
<tr>
<td>Clare Wilkinson</td>
<td>Bangor</td>
<td>NWCS, Bangor</td>
<td>Scripted consultations for HPV test positive women</td>
<td>Fellowship</td>
<td>13/09/2011</td>
<td>£10,000</td>
</tr>
<tr>
<td>Dr Liba Sheeran</td>
<td>Cardiff Uni</td>
<td>SOHCs, Cardiff</td>
<td>Classification-based group functional therapy (CLASTER) in Subgroups of chronic</td>
<td>Pilot Study</td>
<td>13/09/2011</td>
<td>£20,000</td>
</tr>
<tr>
<td>Nick Francis</td>
<td>Cardiff Uni</td>
<td>PCPH, Cardiff</td>
<td>Trial TORRENT software (recruitment aid) for the ADVICE (Acute Diarrhoea and</td>
<td>Fellowship</td>
<td>13/09/2011</td>
<td>£24,000</td>
</tr>
<tr>
<td>Dr Charles Heard</td>
<td>Cardiff Uni</td>
<td>Welsh School of Pharmacy, CU</td>
<td>A novel compound to aid infection control in primary care settings</td>
<td>Pilot Study</td>
<td>13/12/2011</td>
<td>£23,693</td>
</tr>
<tr>
<td>Louise Hughes</td>
<td>Cardiff Uni</td>
<td>Welsh School of Pharmacy, CU</td>
<td>Investigation into the factors affecting community pharmacists engagement with</td>
<td>Pilot Study</td>
<td>13/03/2012</td>
<td>£7,380</td>
</tr>
<tr>
<td>Chestnutt / Francis</td>
<td>Cardiff Uni</td>
<td>PCPH/Dentistry, CU</td>
<td>Management of dental pulpal and apical pathologies in primary care, use of</td>
<td>Pilot Study</td>
<td>13/03/2012</td>
<td>£8,400</td>
</tr>
<tr>
<td>Robert VanDeursen</td>
<td>Cardiff Uni</td>
<td>School of Healthcare Studies, CU</td>
<td>Measuring activity recovery at home in the post-acute phase of stroke rehabilitation by means of a novel computerised system</td>
<td>Pilot Study</td>
<td>28/06/2012</td>
<td>£17,777</td>
</tr>
<tr>
<td>Claire O'Neill</td>
<td>Cardiff Uni</td>
<td>SEWTU, CU</td>
<td>Understanding primary care perspectives on treatment options for skin and soft tissue infections</td>
<td>Pilot Study</td>
<td>28/06/2012</td>
<td>£9,883</td>
</tr>
<tr>
<td>Chris Lynch</td>
<td>Cardiff Uni</td>
<td>School of Dentistry, CU</td>
<td>Reasons for placement and replacement of crowns in primary dental care in Wales</td>
<td>Pilot Study</td>
<td>28/06/2012</td>
<td>£23,359</td>
</tr>
<tr>
<td>Ajay Thapar</td>
<td>Cardiff Uni</td>
<td>NeuroPsychiatric Genetics and Genomics, CU</td>
<td>Adolescent mental health: Design of a web-based adolescent depression and prediction tool</td>
<td>Pilot Study</td>
<td>28/06/2012</td>
<td>£7,782</td>
</tr>
<tr>
<td>Rachel North</td>
<td>Cardiff Uni</td>
<td>School of Optometry and Vision Sciences, CU</td>
<td>Vision screening for stroke</td>
<td>Pilot Study</td>
<td>28/06/2012</td>
<td>£8,395</td>
</tr>
<tr>
<td>Dr Sue Jordan</td>
<td>Swansea</td>
<td>Dept of Nursing, Swansea University</td>
<td>Medication monitoring for people with dementia in care homes: A protocol for an outcomes study.</td>
<td>Pilot Study</td>
<td>03/08/2012</td>
<td>£4,761</td>
</tr>
<tr>
<td>Nick Francis</td>
<td>Cardiff Uni</td>
<td>CIPCPH, Cardiff University</td>
<td>The MOSAIC study. Molluscum Contagiosum in the Community: A description of the Epidemiology of the disease in the community</td>
<td>Pilot Study</td>
<td>15/10/2012</td>
<td>£15,890</td>
</tr>
<tr>
<td>Owen Hughes</td>
<td>Powys Teaching Health Board</td>
<td></td>
<td>Community-based mentoring for people living with chronic pain</td>
<td>Pilot Study</td>
<td>15/10/2012</td>
<td>£22,171</td>
</tr>
<tr>
<td>Marion McAlister</td>
<td>Cardiff Uni</td>
<td>Institute of Genetics, Cardiff University</td>
<td>Scoping study to inform future research to develop and implement a genetic patient reported outcome measure of patient empowerment in primary care.</td>
<td>Pilot Study</td>
<td>15/10/2012</td>
<td>£23,944</td>
</tr>
<tr>
<td>Dr Sue Jordan</td>
<td>Swansea</td>
<td>Dept of Nursing, Swansea University</td>
<td>Nurse-led medication monitoring for patients with dementia in care homes in South West Wales: a feasibility study for a stepped wedge trial.</td>
<td>Pilot Study</td>
<td>14/01/2012</td>
<td>£23,077</td>
</tr>
<tr>
<td>Peter Elwood</td>
<td>Cardiff Uni</td>
<td>PCPH</td>
<td>Natural Salicylates - RDG</td>
<td>Fellowship</td>
<td>09/01/2013</td>
<td>£10,917</td>
</tr>
<tr>
<td>Simon Murphy</td>
<td>Cardiff Uni</td>
<td>Decipher, SOCSI</td>
<td>The GROMIT study (GROUP Motivational InTerviewing): intervention development of group motivational interviewing to promote emotional and physical health in school pupils.</td>
<td>Pilot Study</td>
<td>14/01/2013</td>
<td>£13,986</td>
</tr>
<tr>
<td>Deborah Roberts</td>
<td>Glyndŵr University</td>
<td>Institute of Health, Medical Sciences &amp; Society</td>
<td>Developing Quality Care Metrics for Community Specialist Nurses in Rural Wales</td>
<td>Pilot Study</td>
<td>11/06/2013</td>
<td>£10,130</td>
</tr>
<tr>
<td>Kate Brain</td>
<td>Cardiff Uni</td>
<td>CIPCPH, Cardiff University</td>
<td>Development and pilot evaluation of Tenovus Health Check: a targeted cancer awareness intervention for people from deprived communities.</td>
<td>Research support costs</td>
<td>11/09/2013</td>
<td>£10,660</td>
</tr>
<tr>
<td>Fiona Irvine</td>
<td>Glyndŵr University</td>
<td>Centre for Health and Community Research</td>
<td>North Wales Pressure Ulcer Prevention and Intervention Service (PUPIS): Pilot study to explore the feasibility and acceptability of Tele-PUPIS in the Community Setting.</td>
<td>Research support costs</td>
<td>11/09/2013</td>
<td>£23,985</td>
</tr>
</tbody>
</table>
Flexi-funding – Progress

- **Financial Position**
  - **Total Fund £480,000**
    - Total Received to date £360,000
    - Committed £330,190 & Project Approved with conditions £23,985
    - Sub total committed to date £354,175
    - Remaining £125,825

- **Outputs**
  - 5 Completed Reports
  - One study supported product commercialisation
  - One study led to second phase study
  - Two grant writing bids (one success)
Publication

- 91 publications over the last 3 years
  - STAR study publication shortlisted BMJ awards 2013.

- PR
  - Recent months
    - Nick Francis, 4th June, BBC Radio Wales Louise Elliot show
    - Chris Butler, 12th March, Radio 4 Inside Health
    - Chris Butler, 11th March, Radio Wales, Jason Mohammed show
    - Nick Francis, 5th March, BBC Radio Wales, Breakfast Show
    - Adrian Edwards, 27th February, Reuters News UK
    - Joyce Kenkre, July, Home Start - invite to No. 10 Downing Street
      (Information on 33,951 families resident in the UK)
    - Nick Francis, 6th August – Daily Mail Article
Dr Nick Francis, Practicing GP and Senior Clinical Research Fellow within the WSPCR has launched a booklet for parents explaining common infections in children who are normally healthy. The booklet meets one of the School's key aims of translating complicated research evidence into pragmatic health solutions. A child with an infection can be a scary experience for parents and understanding more can help them feel more in control. The new booklet covers fever, coughs, temperatures, common colds, sore throat, earache, croup, lack of appetite, antibiotic use, what can help, when and where to get further help.

In addition to helping parents, the evaluation of the booklet within General Practice has been shown to reduce antibiotic prescribing and parents' intention to consult their GPs, without reducing satisfaction with the care they receive.

www.whenshouldidiworry.com
- Website stats 2013: average 200 per month.
- PDF booklet downloads: average 130 per month.
- Since March, the booklet has also been available on the website in the following formats: Welsh language, Scotland version (adapted for NHS 24 service), England version (adapted for 111 service).
- Over 90,000 copies have been purchased or sent to general practices since 2009.
Capacity Building

Cultivation & Capacity Building – Funded Research Fellows
1. Dr. Paul Jarvis, Mathematics - Glamorgan
2. Dr. Carolyn Wallace, Nursing Fellow – Glamorgan
3. Dr. Mortlock, Optometry, Cardiff
4. Dr. Emma Melbourne, GP Fellow – Cardiff
5. Dr. Naomi Stanton, GP Fellow – Cardiff
6. Diana Pasterfield, Linguistics – Bangor
7. Nafees Ud Din – Bangor
8. Dr. Jo Crocker, Biochem, Cardiff
9. Dr Patricia Gunning, Statistician, Cardiff
10. 5x KESS Funded Industry linked PhDs – Glamorgan
11. 5x SOM Supervised PhDs – Cardiff

Events – Collaboration & Capability
- Post Doc Intense Week Grant writing workshop led by Prof Kenkre - Spring 2010 (CRC)
- Primary Care and Public Health Symposium - Autumn 2010 & 2011
- Primary Care Falls Conference – 2012
- Community Nurse Research Strategy Launch CNO, Prof Kenkre – March 2013
PEOPLE – SI/PSI, Retained KSA
FUNDING
STUDIES
SUPPORT
TRAINING
TECHNOLOGY - Integrated

Welsh Primary Care Research Strategy and Operational Plan & … Execution

Wales H&S - £6b

<table>
<thead>
<tr>
<th>Year</th>
<th>Sales</th>
<th>R&amp;D%</th>
<th>R&amp;D Spend</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>$ 109,000,000,000.00</td>
<td>2.20%</td>
<td>$ 2,398,000,000.00</td>
</tr>
<tr>
<td>2001</td>
<td>$ 5,470,000,000.00</td>
<td>8%</td>
<td>$ 437,600,000.00</td>
</tr>
</tbody>
</table>
Research … Evidence to answer a Problem?

- Professor Joyce Kenkre
- Dr. Carolyn Wallace - Reader

www.wspcr.ac.uk