INTEGRATE AMR – **An Update**

WARWICK

INTEGRATE ANTIMICROBIAL RESISTANCE

Chandrika Nair

Project Ideas and Networking Meeting, Jun 9 2016

Tackling AMR - An Interdisciplinary Approach

@WARWICK_AMR

Integrating cross-discipline expertise to tackle Antimicrobial Resistance

warwick.ac.uk/|WAMIC

"Diagnostics"
"Synthetic Chemistry"
"Natural Products"
"Biosynthetic Pathways"
"Phage Therapy"
"Fluid Dynamics"
"Microfluidics"
""Bacterial Motility and Attachment"
"Biofilms"
"Predictive modelling"
"Epidemiology"
"Hospital-acquired infections"
"Control and Pharmacokinetics"
"Cell wall and protein biosynthesis"
"Structural studies"

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INTEGRATE ANTIMICROBIAL RESISTANCE

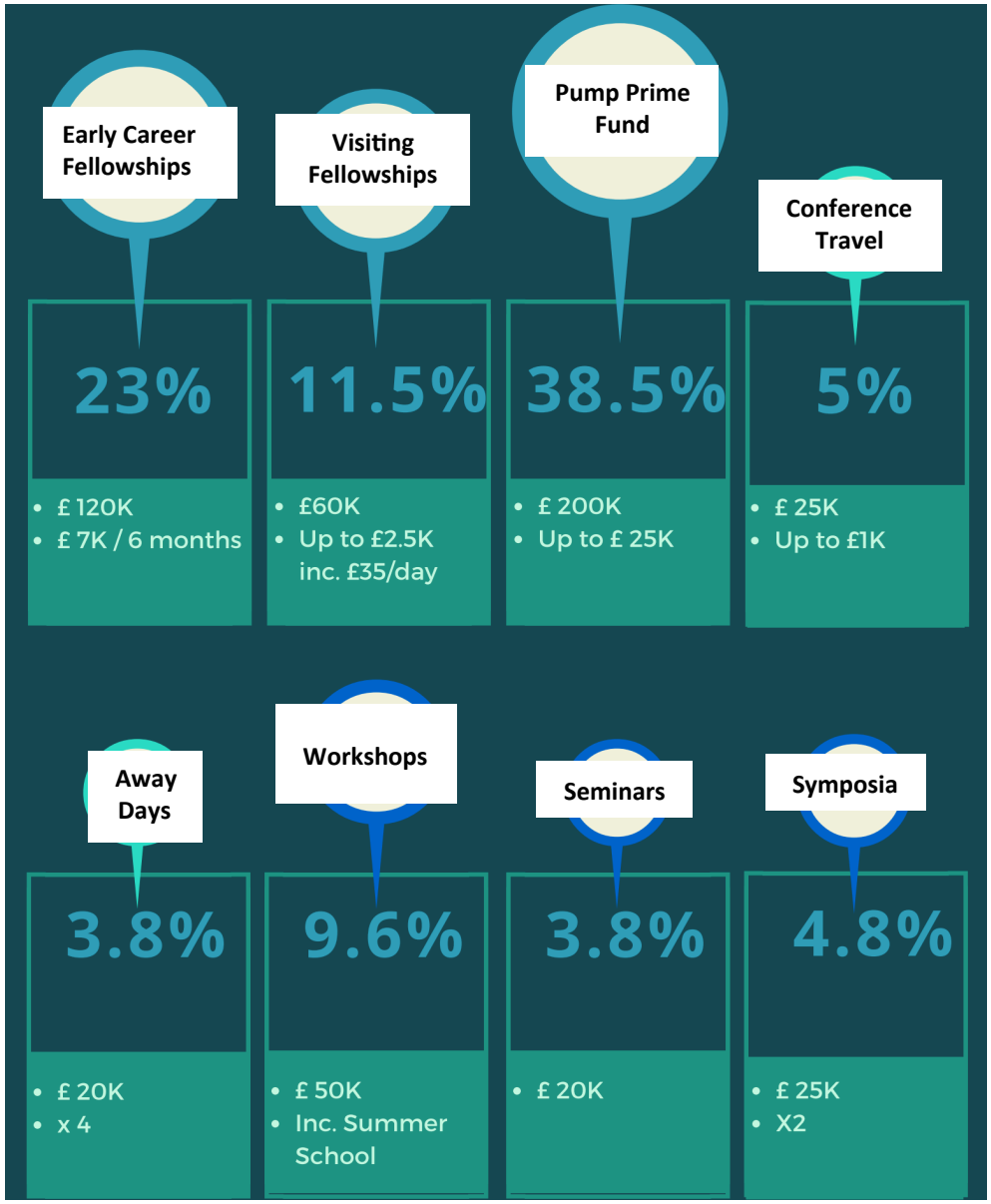
- Combining expertise in Chemistry, Engineering, Life Sciences, Medicine, Mathematics, Physics, Social Sciences…

Tackling AMR – A Cross Council Initiative

Antimicrobial resistance (AMR), especially resistance to antibiotics, is a growing global problem. We are facing a rise in the number of bacteria becoming resistant to existing antibiotics without an increase in new antibiotics or new treatments. It is clear that an interdisciplinary approach is needed to tackle these challenges and

AMR
Tackling Antimicrobial Resistance

INTEGRATE AMR – 2 years of funding for collaborations



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INTEGRATE ANTIMICROBIAL RESISTANCE

- Interdisciplinary Collaborations
- Follow-on Funding
- Promotion of Antimicrobial Resistance area to EPS researchers
- Engagement with Industry and Clinicians
- Rolling Deadlines, Apply Anytime

EPSRC

Engineering and Physical Sciences Research Council

Early Career Fellowships– 8 (/17) funded so far

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- **£7K / 6 months + £1.5K consumables**

Assessment criteria:

- Interdisciplinary
- EPS skills training for Early Career Researchers
- Consideration of ECF future plans eg. Follow-on funding, fellowships
- Novelty of idea, relationship to the AMR research context and timeliness

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EPSRC

Engineering and Physical Sciences Research Council

Pump Priming Fund– 2(/~10) funded so far

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INTEGRATE ANTIMICROBIAL RESISTANCE

"Infection in a Microfluidic Channel" WMS/Physics
Application submitted Apr 16; Funding obtained May 16

- **Up to £25K**

Assessment criteria:

- Interdisciplinary, with a strong involvement of EPS-remit sciences
- Novelty of idea, relationship to the AMR research context and timeliness
- Appropriateness of proposed methodology and costing

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EPSRC
Engineering and Physical Sciences Research Council

Seminars/Workshops – Funding and Help Available

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INTEGRATE ANTIMICROBIAL RESISTANCE

DO YOU HAVE AN AMR-RELATED EVENT IDEA?

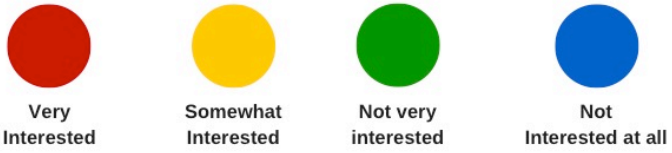
Up to £1000 & admin support
to organise workshops, seminars,
public engagement etc.

Find out more:
warwick.ac.uk/WAMIC/integrate/funding

Queries:
c.nair@warwick.ac.uk

PLEASE 'VOTE'

WOULD YOU ATTEND A SEMINAR ON ANY OF THESE TOPICS?



Thank you – Any Questions?

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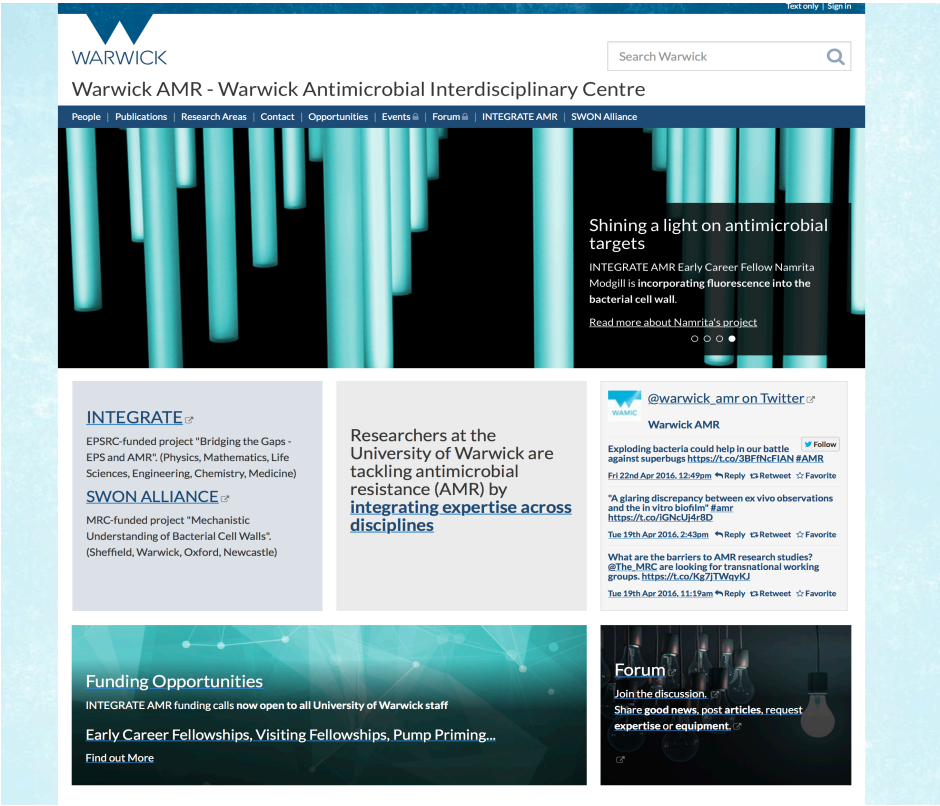

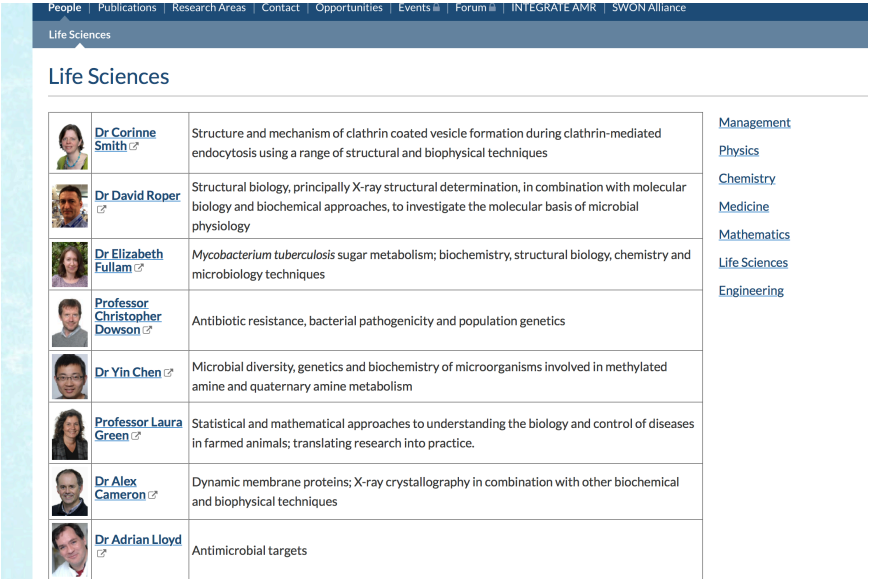

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