

## Animal Health Research Club (ARC)



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July 2012

## Aims of Research and Technology Clubs

- **Support** high quality, innovative, basic research to underpin the UK industry in addressing significant challenges to future competitiveness
- To **strengthen** the research community in the areas of research which will underpin the long-term needs of industry through interdisciplinary research and the provision of training
- To ensure the **exchange of knowledge** between the science base and industry through effective networking between academic groups and companies leading to impact from bioscience research base



CIRC • CROP IMPROVEMENT RESEARCH CLUB



IBTI • INTEGRATED BIOREFINING RESEARCH AND TECHNOLOGY CLUB

BRIC • BIOPROCESSING RESEARCH INDUSTRY CLUB



DRINC • DIET AND HEALTH RESEARCH INDUSTRY CLUB



## Research and Technology Club Structure

- A consortium of companies work together with BBSRC to fund **basic research in strategic areas**
- In the typical club model, **BBSRC** contributes **90%** of funding, industry consortium contributes 10%
- Company members decide on the **research priorities.**
- **Steering group** formed – 7 industry and 7 academia.
- Regular **dissemination** events allow members to network, to hear about research projects and to meet researchers



BRIC • BIOPROCESSING RESEARCH INDUSTRY CLUB

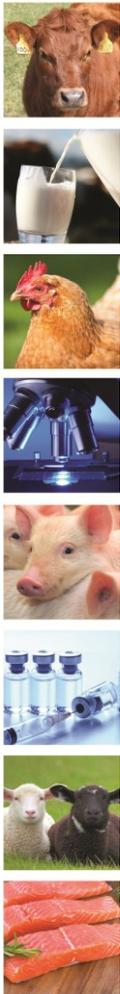


DRINC • DIET AND HEALTH RESEARCH INDUSTRY CLUB



# Animal Health Research Club (ARC)

ARC • ANIMAL HEALTH RESEARCH CLUB



- The company has 12 Company members to date contributing almost £1M over 5 years through subscription fees.
- BBSRC is committing up to £8M and the Scottish Government have contributed a further £0.5M, giving a funding pot of £9.5M to be spent through two calls for research proposals.
- First call launched 13 June with a budget of £4.5M



## Animal Health Research Club (ARC)

The overarching research theme of ARC is to improve livestock resistance to pest and disease organisms through genetic improvement.

### Research challenges identified:

- Understanding the basis of resistance/resilience to pests and diseases farmed animal species.
- Developing novel tools for defining disease biomarkers and phenotypes to inform breeding strategies for subclinical diseases and increased disease resistance.
- Understanding variation in vaccine responsiveness, immunocompetence at different developmental stages and disease outcomes.
- Determining the effects of selection for production traits on immune function.



## Club Management



- Steering group – 7 industry representatives, 7 academic representatives and the Chairman
  - Take forward the Club research agenda (challenges)
  - Provide strategic direction
  - Review proposals, progress of funded projects and Club operation
- Company members not on the Steering Group are also involved in reviewing proposals
- External coordinators appointed by BBSRC contribute to management, facilitate the development of proposals and build strong communication links within the Club.



Knowledge  
Transfer  
Network

Biosciences

