

PSMB Dashboard (FY2017/18)

Mission statement: PSMB supports mechanistic and applied research to unlock the complexity of human health and disease across the life course. Our remit also reaches forward to population health and the impact of environmental factors, including the social environment, on health and development, thereby taking a systems approach from multiple internal and external factors to understand control pathways and mechanisms, their interactions with major organs and how these manifest in health and disease.

Award rate by Research Board

(by number and % across a 3yr average)

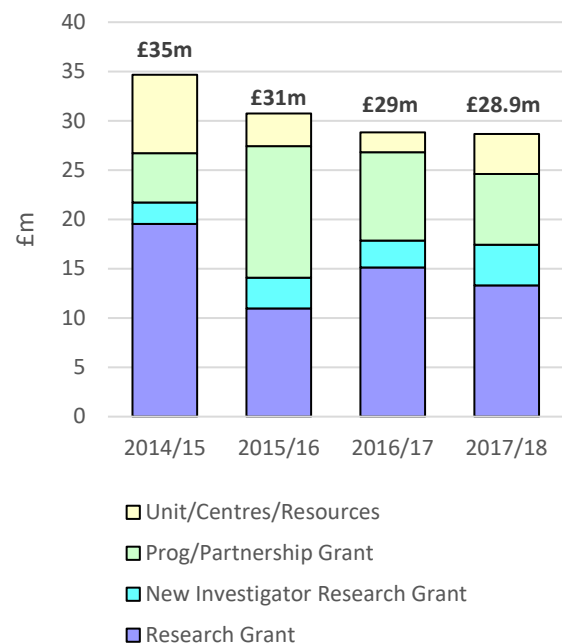
Grant type	IIB	MCMB	NMHB	PSMB
Research	28/158 18%	34/184 18%	32/215 15%	22/177 13%
NIRGs	7/22 31%	4/23 19%	5/32 16%	6/22 29%
Programme	5/9 52%	6/20 28%	5/14 37%	6/12 49%
Partnership	0/3 0%	4/9 44%	4/12 33%	4/14 29%
Overall Award Rate	21%	22%	17%	17%

PSMB opportunities:

- Multimorbidity
- Mechanisms and models of human disease
- Integrated population health

Global health and Precision Medicine are also key interest areas.

Annual spend across categories



Major strategic investments in FY2017/18:

- **MRC Metabolic Disease Unit, Cambridge:** Renewal of Unit funding (£11.7m/5yrs) to investigate the fundamental causes of obesity and its relationship to energy balance, lipotoxicity, insulin resistance, diabetes and cardiovascular disease.
- **MRC Integrative Epidemiology Unit, Bristol:** Renewal of Unit funding (£10.7m/5yrs) to conduct advanced population health research using genetics, population data and experimental interventions to look for the underlying causes of chronic disease such as cardiovascular disease, osteoporosis, mental ill-health and conditions linked to obesity, addiction and ageing.
- **MRC Biostatistics Unit, Cambridge:** Renewed support for the Unit (£16.3m/5yrs) to develop novel methods for the analysis of complex observational and longitudinal data, design and analysis of randomised trials, statistical methodology, Precision medicine and inference for complex outcomes

Key investment areas / messages:

- **Multimorbidity:** Strengthening our research base and catalysing activities in this field including joint workshop, launching pump priming call and Multimorbidity funders' forum
- **Global nutrition:** Delivered a suite of activities including:
 - MRC's Global Nutrition and Health workshop
 - **Confidence in Global Nutrition and Health Research:** Institutional "pump-priming" awards to develop new opportunities in Global Nutrition and Health Research
- **Ageing:** Continued development of MRC portfolio and partnerships in this field, e.g.;
 - oversight of the **National Innovation Centre for Ageing (NICA), Newcastle**
 - participation in **ISCF Healthy Ageing** bid with Innovate UK & EPSRC to develop the challenge, industry workshops etc.
- **CFS/ME:** Continued support for the UK CFS/ME. Research Collaborative (UKCMRC) via the annual science conference 2018

Key partnerships:

- Joint MRC-NIHR-Acad Med Sci-Wellcome workshop on **"Advancing research to tackle multimorbidity: the UK and LMIC perspectives"** to inform future activities
- Launched the joint MRC-NIHR call on **Multimorbidity in the UK population: understanding disease clustering** (£3m)
- **UK Nutrition research partnership (UK-NRP)**, with BBSRC and NIHR to implement the recommendations from the OSCHR review of Nutrition research (£2m)
- Joint Programme Initiative (European) on **Healthy Diet for Healthy Life**