

## **Professor Sir Rory Collins, Chief Executive Officer & Principal Investigator**

Rory Collins was appointed Principal Investigator and Chief Executive of UK Biobank in September 2005. Rory qualified in medicine at St Thomas's Hospital Medical School, University of London, in 1981 and obtained BSc in statistics from George Washington University, Washington DC in 1977 and MSc in statistics from the University of Oxford in 1983. In 1985, he became co-director, with Professor Sir Richard Peto, of the University of Oxford's Clinical Trial Service Unit & Epidemiological Studies Unit (CTSU). In 1996 he was appointed Professor of Medicine and Epidemiology at Oxford, supported by the British Heart Foundation. His work has been in the establishment of large-scale epidemiological studies of the causes, prevention and treatment of heart attacks, other vascular disease, and cancer, while also being closely involved in developing approaches to the combination of results from related studies ("meta-analyses"). CTSU was awarded a Queen's Anniversary Prize for Higher and Further Education in 2006 for its research contributions to public health. In 2011, Rory was knighted for his Services to Science.

### Most significant publications [citation numbers at end 2011]

Baigent C, Landray MJ, ... Collins R; on behalf of the SHARP Investigators. The effects of lowering LDL cholesterol with simvastatin plus ezetimibe in patients with chronic kidney disease (Study of Heart and Renal Protection): a randomised placebo-controlled trial. *Lancet*. 2011; 377: 2181-92

Cholesterol Treatment Trialists' (CTT) Collaboration. (writing committee: Baigent C, Blackwell L, Emberson J, Holland LE, Reith C, Bhalra N, Peto R, Barnes EH, Keech A, Simes J, Collins R). Efficacy and safety of intensive LDL-cholesterol-lowering therapy: a meta-analysis of data from 170,000 participants in 26 randomised trials. *Lancet* 2010; 376: 1670-81

Antithrombotic Trialists' (ATT) Collaboration (writing committee: Baigent C, Blackwell L, Collins R, Emberson JR, Godwin J, Peto R; Buring JE, Hennekens CH, Kearney PM, Meade TW, Patrono C, Roncaglioni MC, Zanchetti A) Aspirin in the primary and secondary prevention of vascular disease: collaborative meta-analysis of individual participant data from randomised trials. *Lancet* 2009; 373: 1849-60

Clarke R, Peden JF, Hopewell JC, Kyriakou T, Goel A, Heath SC, Parish S, Barlera S, Franzosi MG, Rust S, Bennett D, Silveira A, Malarstig A, Green FR, Lathrop M, Gigante B, Leander K, de Faire U, Seedorf U, Hamsten A, Collins R, Watkins H, Farrall M on behalf of the PROCARDIS Consortium. Genetic variants associated with Lp(a) lipoprotein level and coronary disease. *NEJM* 2009; 361: 2518-28

Prospective Studies Collaboration (writing committee: Whitlock G, Lewington S, Sherliker P, Clarke R, Emberson J, Halsey J, Qizilbash N, Collins R, Peto R). Body-mass index and cause-specific mortality in 900 000 adults: collaborative analyses of 57 prospective studies. *Lancet* 2008

SEARCH Study Collaborative Group (writing committee: Link E, Parish S, Armitage J, Bowman L, Heath S, Matsuda F, Gut I, Lathrop M, Collins R). SLCO1B1 variants and statin-induced myopathy — A genomewide study. *NEJM* 2008; 359: 789-99

Prospective Studies Collaboration (writing committee: Lewington S, Whitlock G, Clarke R, Sherliker P, Emberson J, Halsey J, Qizilbash N, Peto R, Collins R). Blood cholesterol and vascular mortality by age, sex, and blood pressure: a meta-analysis of individual data from 61 prospective studies with 55 000 vascular deaths. *Lancet* 2007; 370: 1829-39

Cholesterol Treatment Trialists' (CTT) Collaborators (writing committee: Baigent C, Keech A, Kearney PM, Blackwell L, Buck G, Pollicino C, Kirby A, Sourjina T, Peto R, Simes J, Collins R). Efficacy and safety of cholesterol-lowering treatment: meta-analysis of individual data from 90,056 participants in 14 randomised trials of statins. *Lancet* 2005; 366: 1267-78.

Heart Protection Study Collaborative Group (writing committee: Collins R, Armitage J, Parish S, Sleight P, Peto R). MRC/BHF Heart Protection Study of cholesterol-lowering with simvastatin in 5963 people with diabetes: a randomised placebo-controlled trial. *Lancet* 2003; 361: 2005-16

Heart Protection Study Collaborative Group (writing committee: Collins R, Armitage J, Parish S, Sleight P, Peto R). MRC/BHF Heart Protection Study of cholesterol lowering with simvastatin in 20,536 high-risk individuals: a randomised placebo-controlled trial. *Lancet* 2002; 360: 7-22

Prospective Studies Collaboration (writing committee: Lewington S, Clarke R, Qizilbash N, Peto R, Collins R). Age-specific relevance of usual blood pressure to vascular mortality: a meta-analysis of one million adults in 61 prospective studies. *Lancet* 2002; 360: 1903-13

Antithrombotic Trialists' (ATT) Collaboration (writing committee: Baigent C, Sudlow C, Collins R, Peto R). Collaborative meta-analysis of randomised trials of antiplatelet therapy for prevention of death, myocardial infarction, and stroke in high-risk patients. *BMJ* 2002; 324: 71-86

Antiplatelet Trialists' Collaboration (writing committee: Collins R, Peto R, Baigent C, Sandercock P, Dunbabin D, Warlow C). Collaborative overview of randomised trials of antiplatelet therapy. I: Prevention of death, myocardial infarction, and stroke by prolonged antiplatelet therapy in various categories of patients. *BMJ* 1994; 308: 81-106

Fibrinolytic Therapy Trialists' Collaborative Group (authors: Collins R, Baigent C, Sleight P, Peto R). Indications for fibrinolytic therapy in suspected acute myocardial infarction: collaborative overview of early mortality and major morbidity results from all randomised trials of more than 1000 patients. *Lancet* 1994; 343: 311-22

MacMahon S, Peto R, Cutler J, Collins R, Sorlie P, Neaton J, Abbott R, Godwin J, Dyer A, Stamler J. Blood pressure, stroke, and coronary heart disease. Part I. Prolonged differences in blood pressure: prospective observational studies corrected for the regression dilution bias. *Lancet* 1990; 335: 765-74

Collins R, Peto R, MacMahon S, Hebert P, Fiebach NH, Eberlein KA, Godwin J, Qizilbash N, Taylor JO, Hennekens CH. Blood pressure, stroke, and coronary heart disease. Part II. Short-term reductions in blood pressure: overview of randomised drug trials in their epidemiological context. *Lancet* 1990; 335: 827-38

ISIS-2 (Second International Study of Infarct Survival) Collaborative Group (authors: Collins R, Parish S, Sleight P, Peto R). Randomised trial of intravenous streptokinase, oral aspirin, both, or neither among 17,187 cases of suspected acute myocardial infarction: ISIS-2. *Lancet* 1988; ii: 349-60