



The Rowett Institute - putting science into practice with benefits for human health, industry and agriculture for over a century.

[www.abdn.ac.uk/rowett](http://www.abdn.ac.uk/rowett)



1920s



John Boyd Orr appointed as the first Director of the Institute. First laboratory built at Craibstone, College of Agriculture

First building completed on Institute's own Bucksburn site. Funded by £10,000 from Quiller Rowett and matched by UK Government. Opened by Queen Mary

Demonstrated effect of milk on growth of children, leading to introduction of school milk in Scotland and eventually England



1930s -50s



Results of Carnegie Survey rushed through to underpin the formulation of the food rationing system for the UK during the Second World War

Boyd Orr receives Knighthood and Nobel Prize for Peace

Dr R L Synge awarded the Nobel prize for chemistry, jointly with Dr A Martin, for the development of partition chromatography

Determined factors responsible for the development of copper deficiency in sheep and cattle



## 1960s-90s

Developed Rowett barley beef system for feeding cattle

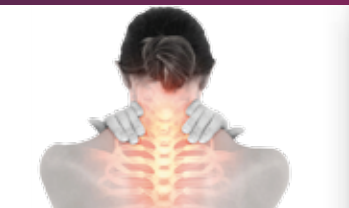
Launch of metabolisable energy system of ration formulation for livestock - an industry standard

Development of techniques to induce multiple ovulation and embryo transfer in sheep

Demonstrated importance of selenium in human & animal nutrition

Mapping site of action of obesity hormone leptin in the brain

Key role in establishment of Food Standards Agency and authorship of 'Scottish Diet Action Plan'



## 2000s

Developed biochemical markers for clinical assessment of bone diseases such as osteoporosis

Intervention trials show whole-grain foods significantly reduce blood pressure and risk of cardiovascular disease

New food ingredient, with first novel health claim from EFSA that improves blood flow, is now being distributed worldwide by DSM



## 2010s

Role of protein as satiating nutrient and development of most effective weight loss diets leading to M&S launch of 'Simply Fuller Longer Range'

Pioneering research is leading to the development of next generation pre- and probiotics for improved gut health

Improvements to animal feed reduce sub-acute ruminal acidosis (SARA) in cattle

Studies of biological timing underpinned development of novel anti-depressive drug (Valdoxan, SERVIER)