

# CCRC Metabolic Facilities

## Body composition technologies



Dual Energy X-ray Absorptiometry - GE Lunar iDXA – to assess bone density and soft tissue (fat and lean mass)



Air Displacement Plethysmography - BODPOD® - body volume



3T and 7T Siemens Magnetic Resonance Imaging and Spectroscopy Scanners



EchoMRI – accurate assessment of whole-body fat mass



Clamp and stable isotope analysis

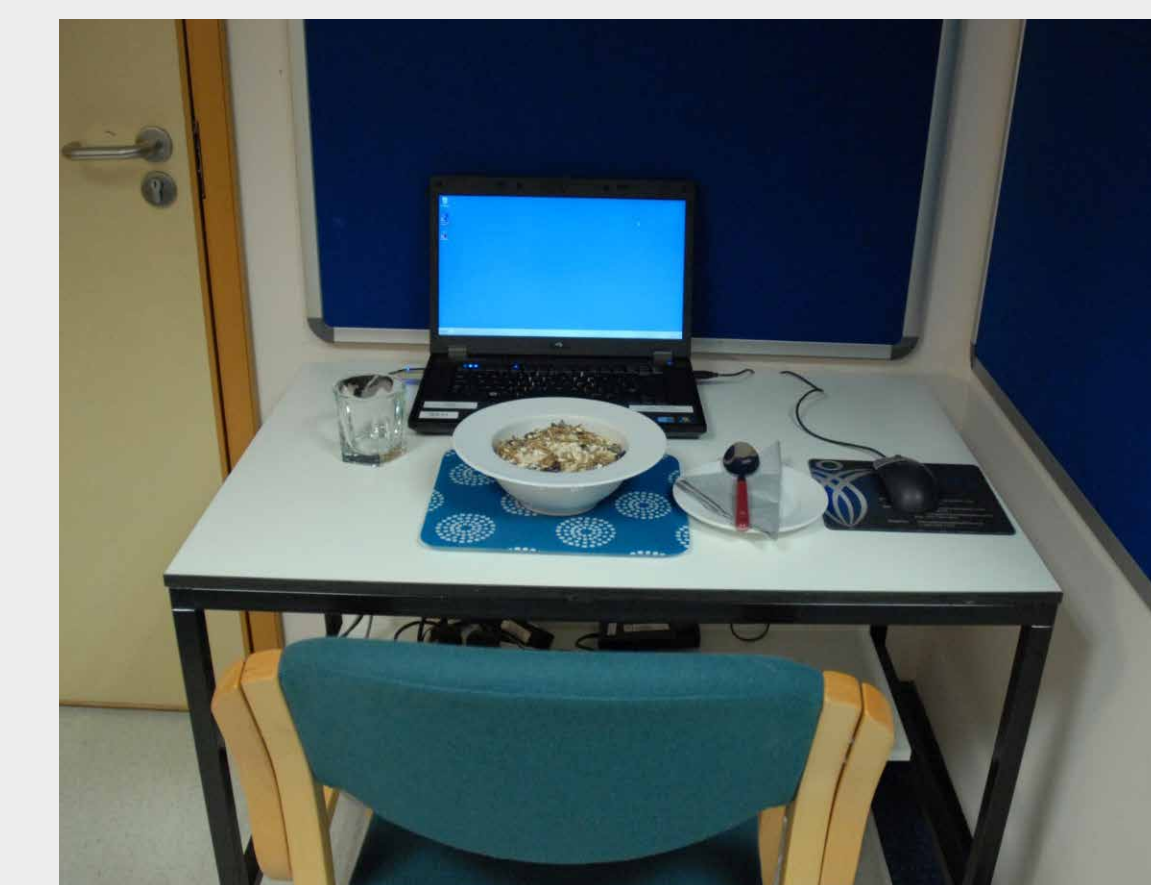
## Energy expenditure technologies



Whole-body room and ventilated canopy indirect calorimetry – Basal metabolic rate to 36 hr total daily energy expenditure



Diet kitchen for food manipulation studies



Universal Eating Monitor



Exercise testing facilities – gas exchange, ergometry and treadmill

