

**METABOLOMICS AND LIPIDOMICS IN NUTRITION AND METABOLISM RESEARCH**

- Overview: metabolomics and lipidomics in nutrition and metabolism research** 407  
Philip Newsholme
- Metabolism of bile acids in the post-prandial state** 409–418  
Jarlei Fiamoncini, Rui Curi and Hannelore Daniel
- Solution state nuclear magnetic resonance spectroscopy for biological metabolism and pathway intermediate analysis** 419–428  
Gareth L. Nealon and Mark J. Howard
- The application of metabolomics for herbal medicine pharmacovigilance: a case study on ginseng** 429–435  
Elly Crighton, Ian Mullaney, Robert Trengove, Michael Bunce and Garth Maker
- Adipose tissue development and the molecular regulation of lipid metabolism** 437–450  
Arthe Raajendiran, Thomas Tsiloulis and Matthew J. Watt
- Metabolomics in nutrition research – a powerful window into nutritional metabolism** 451–458  
Lorraine Brennan