UNIVERSITY OF ABERDEEN

The Rowett Institute

Rowett Analytical Facility: Level 2

Gary Duncan (LC-MS, GC)

Louise Cantlay (GC-MS, GIRMS, LC-MS)

Susan Moir (HPLC)

Jodie Park (ICP-MS, Proximate & clinical analysis)



Rowett Analytical Facility: Technologies

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- LC-MS/MS: 5x triple quads (2x Sciex, 1x Agilent, 2x Shimadzu)
  - targeted metabolomics e.g. mycotoxins, phenolics, flavonoids
- GC-MS: 1x single quad, 1x triple quad
  - e.g. amino acids, short-chain fatty acids, inositols, headspace analysis of volatiles
- ICP-MS: 1x Agilent 7700x
  - trace element analysis, heavy metals, MARS6 Microwave digestion

Rowett Analytical Facility: Technologies

- HPLC: 2x conventional HPLC, 1x UHPLC
  - e.g. vitamins, amino acids, retinoyl esters
- GC: 4x Agilent 5890s
  - e.g. FAMEs, volatile fatty acids, sugars
- Clinical analysis: Kone clinical analyser
  - e.g. liver function tests, blood proteins, urine analysis
- Proximate analysis
  - carbohydrate, protein, lipid, ash, moisture

Rowett Analytical Facility: Analysis Requests

- Form 509: Analytical request form

- Get more out of your project
- Looks good on a CV