

## Rowett Analytical Facility: Level 2

Gary Cameron (Facility manager, LC-MS, ICP-MS)

Gary Duncan (LC-MS)

Louise Cantlay (GIR-MS, LC-MS)

Donna Henderson (GC, proximate, clinical analysis)

Susan Anderson (GC-MS)

Jose Barrera-Gavira (GC-MS)

Lynn Pirie (HPLC)

Jodie Park (ICP-MS)

# Rowett Analytical Facility: Technologies



The Rowett Institute

- LC-MS/MS: 5x triple quads (AB Sciex, Agilent, Shimadzu, Thermo)
    - targeted metabolomics e.g. mycotoxins, phenolics, flavonoids
    - xenobiotics e.g. bisphenols, anti-cancer drugs
  - GC-MS: 1x single quad, 1x triple quad
    - e.g. amino acids, short-chain fatty acids, inositols, headspace analysis of volatiles
  - GIR-MS: 1x Agilent-Elementar precisiON
    - metabolic studies using stable isotopes
  - ICP-MS: 1x Agilent 7700x
    - trace element analysis, heavy metals, platinum containing anti-cancer drugs
-



# Rowett Analytical Facility: Technologies

- HPLC: 4x conventional HPLC, 1x UHPLC
    - e.g. vitamins, homocysteine, organic 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

- DAA40: Analytical request form
  - Get more out of your project
  - Looks good on a CV
-