

# Our bio-measurements



## Capabilities

### Molecular Biology

- Cat II biohazard laboratory facility
- 2 RT qPCR (ABI and Bio-Rad)
- 2 dPCR (Fluidigm and Bio-Rad)
- NGS (Illumina)
- 15 experienced researchers

### Cell Biology

- Standard equipment for the growth and maintenance of cells
- Laser microsection (Zeiss) and 3D confocal microscopy (Nikon)
- Cryostat (sectioning frozen tissues)
- Flow cytometry (Becton Dickinson – cell sorter, counter and analyser)
- ACEA Biostation
- 3 experienced researchers

### Immuno-assays

- Aushon Cirascan
- MSD-Sector Imager 6000
- ELISA
- 2 experienced researchers

## Applications

- Food: GMO (NRL)
- Trace nucleic acid - Diagnostics (non invasive and infectious disease)
- Reference measurements using dPCR (pure DNA solution)
- Down to a few copy number per  $\mu\text{L}$

- Cell morphology, viability, authentication and marker expression
- Toxicity assessment
- “Potency” bioassay

- From small molecules to proteins – down to ppt levels
- Biological samples
- Formulation and consumer products
- Cortisol testing