



IMSPEX Diagnostics Ltd

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MediWales
Members Showcase May 2018

- SME at Abercynon
- GC-IMS technology
- Various sample introductions
- Multiple applications
 - Health
 - Environmental
 - Food and Beverage







- H2020 €3.3 million project
- Bacterial versus viral respiratory infection
- Primary and Secondary care settings
- 6 UK NHS sites
- 14 prototypes
- 2000 patients



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- Innovate UK feasibility with Warwick
- Test for Group B streptococcus in late pregnancy and onset of labour
- 300 samples
- Flavourspec analysis
- Sensitivity and specificity over 80%
- Next phase.....

Active applications

Human health

- Personal care
- Hair care
- Bacteria in breath and wounds
- Disease identification in urine, stool and blood

Food and Beverage

- Food ripening
- Traceability and adulterations
- Storage contaminations
- Vegetable freshness
- Coffee off flavours

Flavour analysis

- Oral freshness
- Skin off gassing of perfume
- Flavour changes in dairy products

Environment

- Odour monitoring at national network level
- Bio-reactor sustainable platform chemical generation
- Sustainable farming
- Odour monitoring

Energy

- Siloxane monitoring at bio-digesters
- Bio-reactor sustainable platform chemical generation



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