

CMD

Cotton Mouton Diagnostics

Dr. Jenna Bowen

The rise of personalised medicine



Between 30 and 70% of people respond unpredictably to medicines

Treating medication induced adverse events cost the NHS £1bn p.a.

Sepsis
a global burden



stop sepsis
save lives

~ 27 000 000
people per year develop sepsis



In the UK
100,000
people suffer from
sepsis every year,
37,000
of them die

Each year sepsis
costs the NHS
£4bn

One hour delay
in diagnosis
↓
**7% increase in
risk of death**

**Absolute,
unequivocal
unmet need for
a PoC
diagnostic**



Company snapshot

Start-up based at the GE Innovation Village, Cardiff

Innovate UK MedTech Launchpad funding

Rapid, multiplex, point-of-care diagnostic platform for sepsis

Applications outside of healthcare



Multidisciplinary management team



CEO

Ashley Cooper



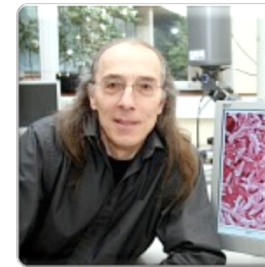
CSO

Jenna Bowen



CTO

Raphael Matelon



Exec. Advisor

Dave Newman



Exec. Advisor

Chris Allender

CEO with 25 years biopharma and medtech start-up experience

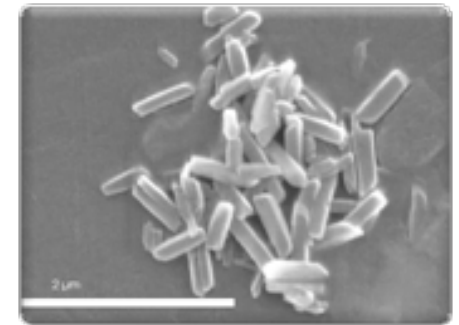
Hugely experienced scientific team

Engineering, physics, biochemistry and clinical sciences

Advisory board of clinical and commercial end-users from across Europe

Our technology - *Background*

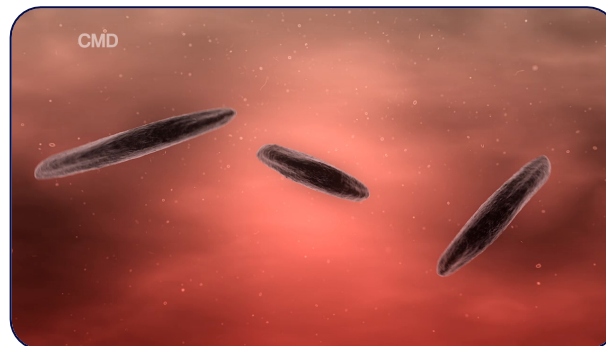
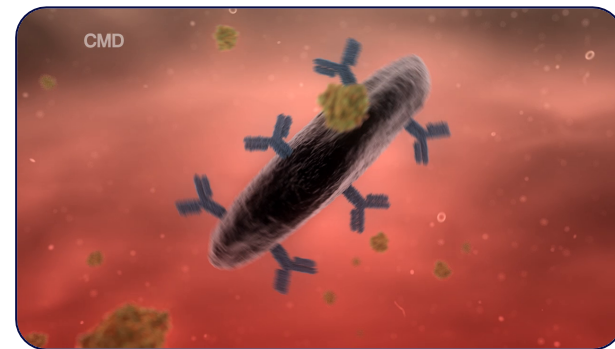
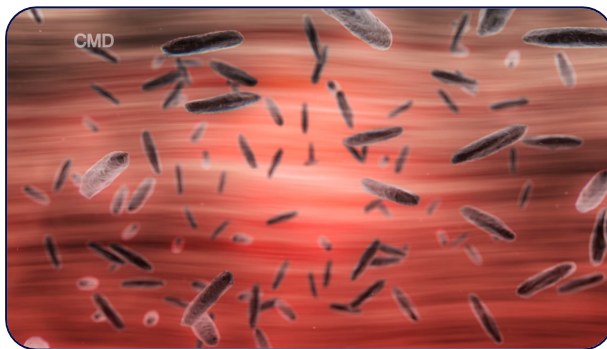
Unique, patent-protected, magneto-optical sensing platform



Field tested on >
1,000 patients
using finger prick
whole blood
samples

Our technology - *Transformation*

‘Innovative magneto-optical sensing platform exploiting changes in rotational behaviour of magnetic reporters’



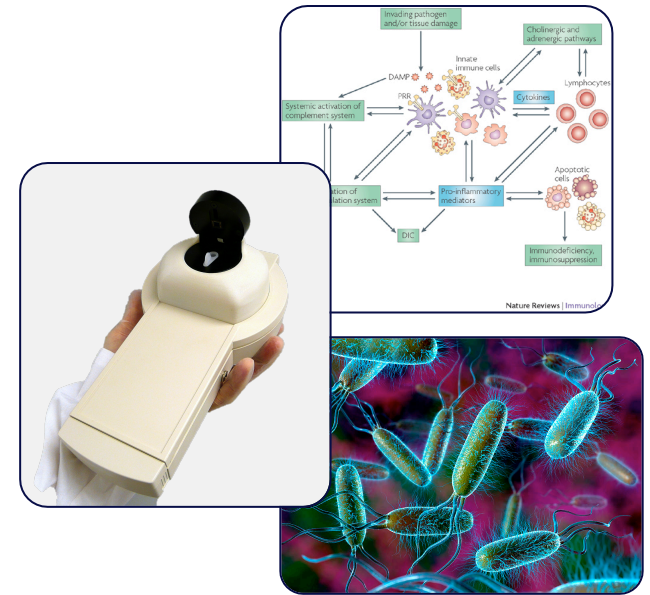
Our technology – *Competitive advantage*

Unique, patent-protected, magneto-optical sensing platform



Current approach

Time to result – hours / days



CMD Technology

Time to result – 15 minutes

Our business model

B2B

Licensing to established IVD market leaders

Non-healthcare sector options

Pharmaceutical QC

Environmental

Veterinary



Thank you

Dr. Jenna Bowen

07732 782 381

cottonmoutondiagnositics@gmail.com