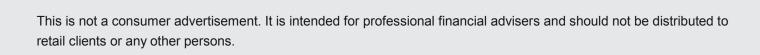
Innovation is not enough



Richard Penny





Agenda

	Item	Slide
1.	Outlook for 2016	3
2.	Innovation: Great time great place	4
3.	Innovation and growth are not enough	5
4.	Patience is needed	7
5.	2016: Interesting stocks for the long term	10

Looking back, looking forward

2015

- Investors are going bigger and more global
 - Mid Caps outperform
 - Micro Caps <£100m suffer 3rd poor year in a row
 - Fewer institutional investors / more specialists
- But ...
 - In our view sub £150m market caps now at a substantial discount

2016

- Low inflation, low growth backdrop
- Commodities may have derailed some risk takers
- China slows but doesn't implode
- M&A is here to stay

What's happening in 2016

Medicine

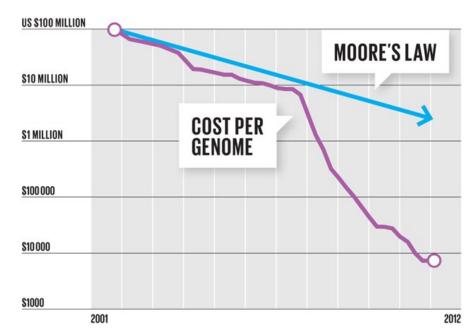
- Cheaper gene sequencing
 - Companion diagnostics
- Personalized medicine
- Prevention v cure
- Immunotherapy

IoT

- Smart meters
- Street lights
- Home care (medicine)

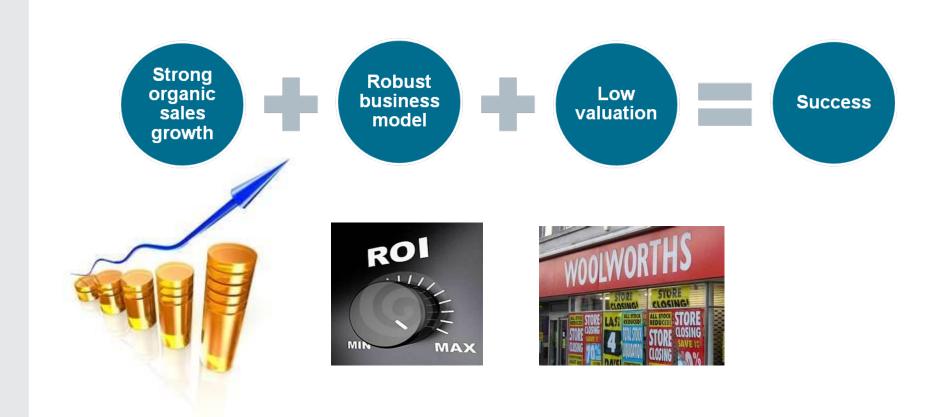
Mobile

- Cheap phones
 - TV for billions = PC + bank accounts + TV for world poor
 - Moore's Law continues
 - Al: Computer beats human at GO

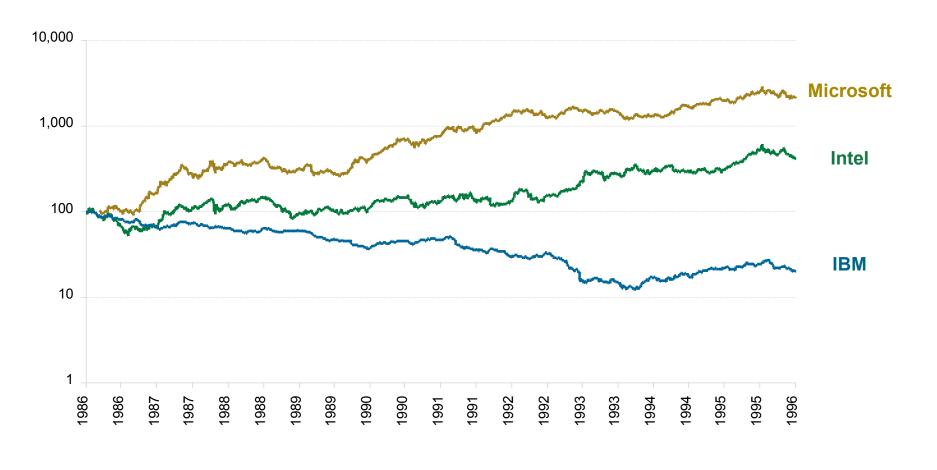




......but innovation is not enough to make money



Sales growth is not enough



Rule: the cleverest technology isn't necessarily the best investment

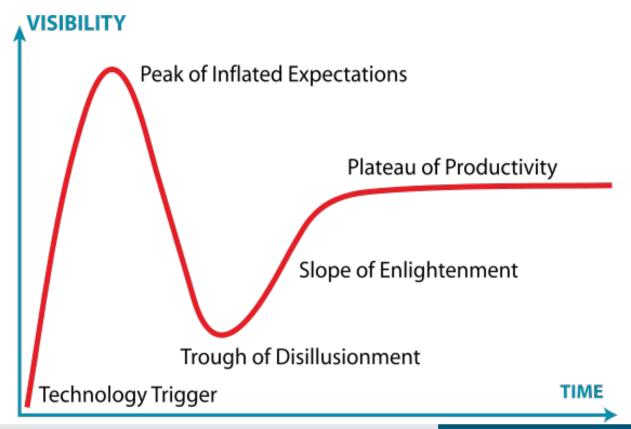
"We tend to overestimate the effect of a technology in the short run and underestimate the effect in the long run"

Amara's Law

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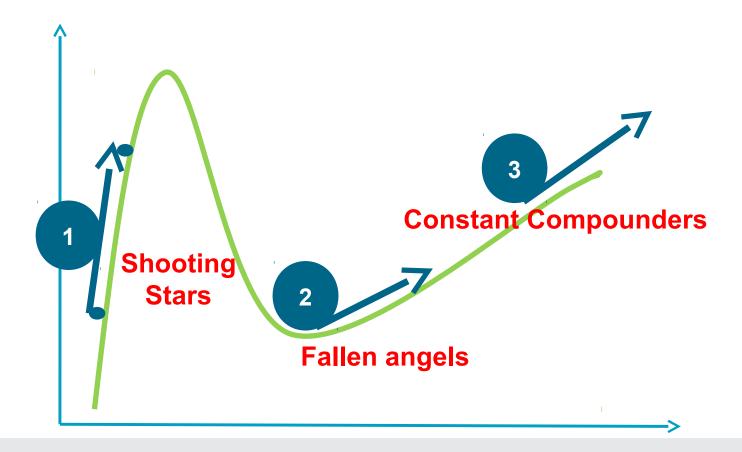
The "Hype Cycle": when is pivotal innovation profitable?

Innovation + Execution + Valuation



Rule: early stage businesses often disappoint

The Hype Cycle in practice: 3 Trading strategies



Smart Metering

Systems

Life

Scientific

1Spatial

Horizon

Discovery

Pharma

Rosslyn

Data

TP Group Quantum

InternetQ

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