

# O<sub>ImmuPharma <sup>plc</sup></sub>

## Developing Innovative Peptides



Tim McCarthy, Chairman

# O<sub>lmmuPharma</sub> *Disclaimer*



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## Company summary

- Pharma development company listed on AIM since 2006 (LSE:IMM)
- Lead drug candidate, Lupuzor<sup>TM</sup>, for the treatment of Lupus, a life threatening autoimmune disease -100% owned
  - Phase III pivotal study ongoing
  - Substantial 'blockbuster' market potential
- P140 platform with potential to target further auto immune diseases e.g. Crohn's disease
- Nucants platform with two Phase I trials completed for potential use in combination cancer treatments and in age related macular degeneration (AMD) and diabetic retinopathy
- Peptide technology platform
- Longstanding collaboration with Centre Nationnal de la Recherche Scientifique (CNRS)
  - Europe's largest research institution = ImmuPharma's 'Research Engine'
- Experienced management and research team
- Low-cost business model based on outsourcing (c. 20 people)

Continued value creation

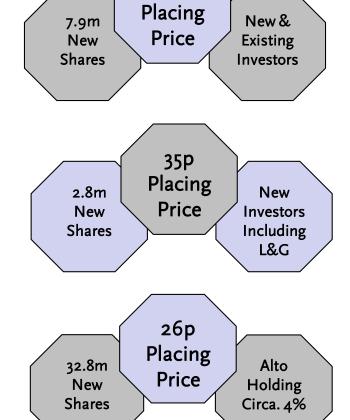
March '17

£4.1m Equity Placing

Oct '16:

£3.5m Vendor Placing & Equity Issue

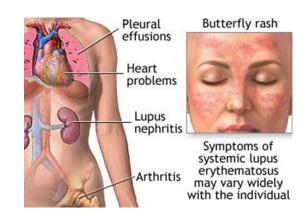
Feb '16: £8.4 million Placing & Subscription



52p

## What is Lupus?

- Lupus is an autoimmune chronic inflammatory disease, sometimes fatal, associated with disorders of the immune system
- Unmet market need
- Multi-billion sales potential
- Varying patient estimates\*:
  - an estimated 5 million people globally suffer from lupus
  - 1.5 million lupus sufferers in Europe/US/Japan
- Current drugs have serious side-effects and limited effectiveness - steroids, immunosuppressants and antimalarials
- GSK's approval of Benlysta paves the path to market

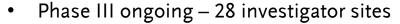


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## Lupuzor™ key USP's

- Novel mechanism that modulates the immune system by avoiding the activation of auto-reactive T-cells
- Phase IIb demonstrated a significant efficacy in the treatment of Lupus together with outstanding safety
- Lupuzor<sup>™</sup> granted Fast Track status by the US FDA and approval for pivotal phase III trial under Special Protocol Assessment
- Attractive economics as cost effective to manufacture with lower pricing level & higher margins (Benylsta priced at approx. \$30k per patient / per year
- Strong patent protection
- Final step prior to filing for marketing approval

# O<sub>ImmuPharma</sub> Lupuzor™ phase III trial



- Centres: 11 in US / 16 in Europe / 1 in Mauritius
- Simbec-Orion (CRO) experts in Lupus trial
- Protocol agreed with the FDA
  - One year dosing / n = 200 patients in study
  - Protocol similar to Phase IIb trial
  - Double-blind, randomised, placebo controlled; once a month (dose 0.2mg)
- Study status as at the end of January 2017
  - over 80% of patients treated for at least 3 months
  - 2 patients completed the study
  - 24 patients treated for 9 months
  - 50 patients treated for 6 months
  - 90 patients treated for 3 months
- To date no drug (active or placebo) related 'Serious Adverse Events' have been reported
- Top line data expected during Q1 2018

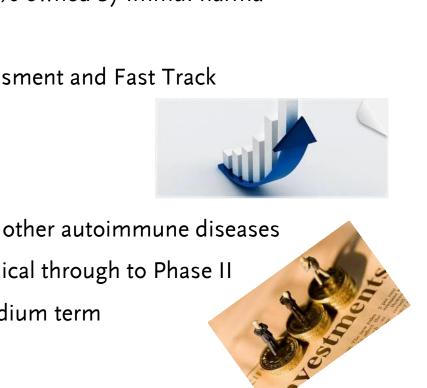




A service of the U.S. National Institutes of Health

## Investment rationale

- Lupuzor™ is a potential blockbuster asset 100% owned by ImmuPharma
- Pivotal phase III trial on track
- Awarded 'Gold Standard' Special Protocol Assessment and Fast Track designation by FDA
- Competitive, efficacy & safety profile
- Collaboration partnership with CNRS
- P140 platform provides potential to expand into other autoimmune diseases
- · Earlier stage development pipeline from pre-clinical through to Phase II
- · Value enhancing news-flow anticipated over medium term
- Intensive IR strategy ongoing



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