Shareholder Update

December 2019

Amplia Therapeutics Limited
ASX: **ATX**

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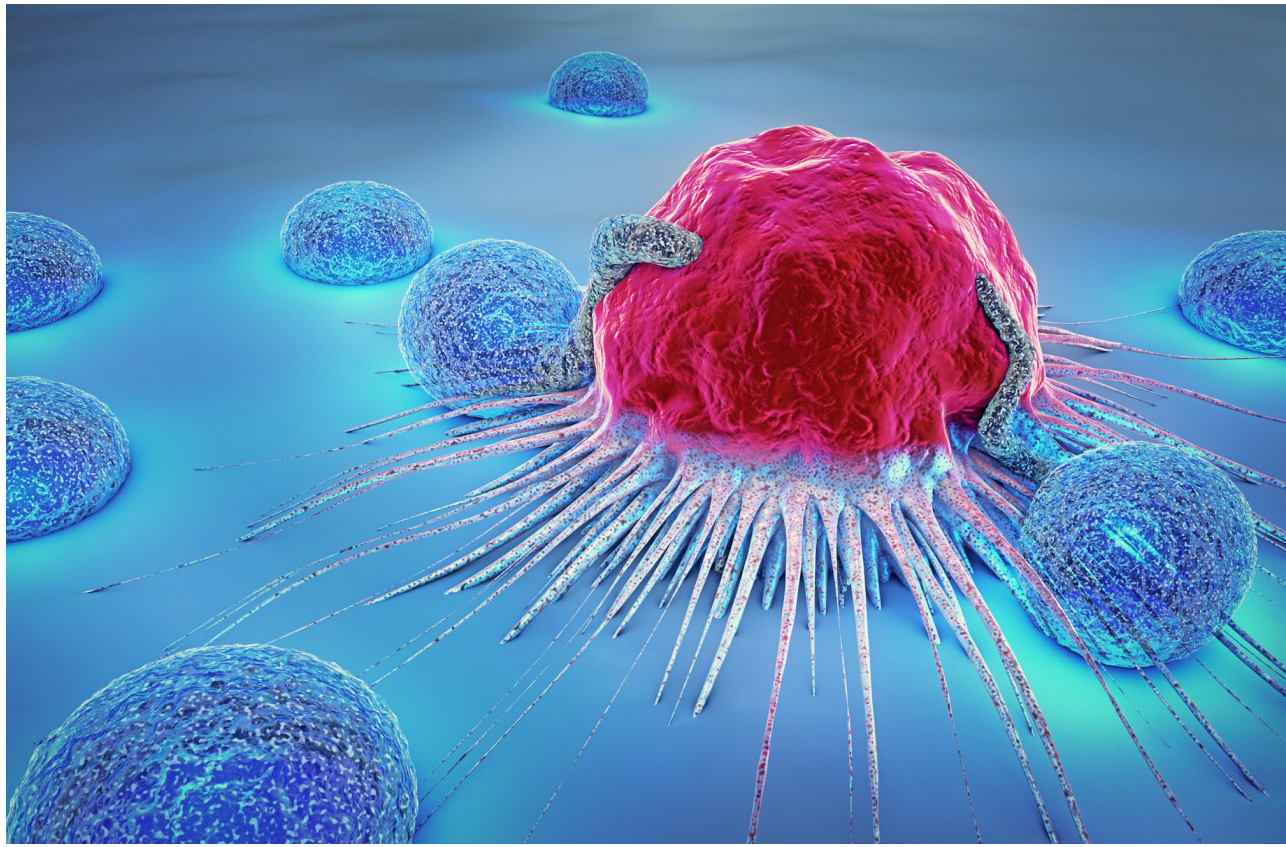
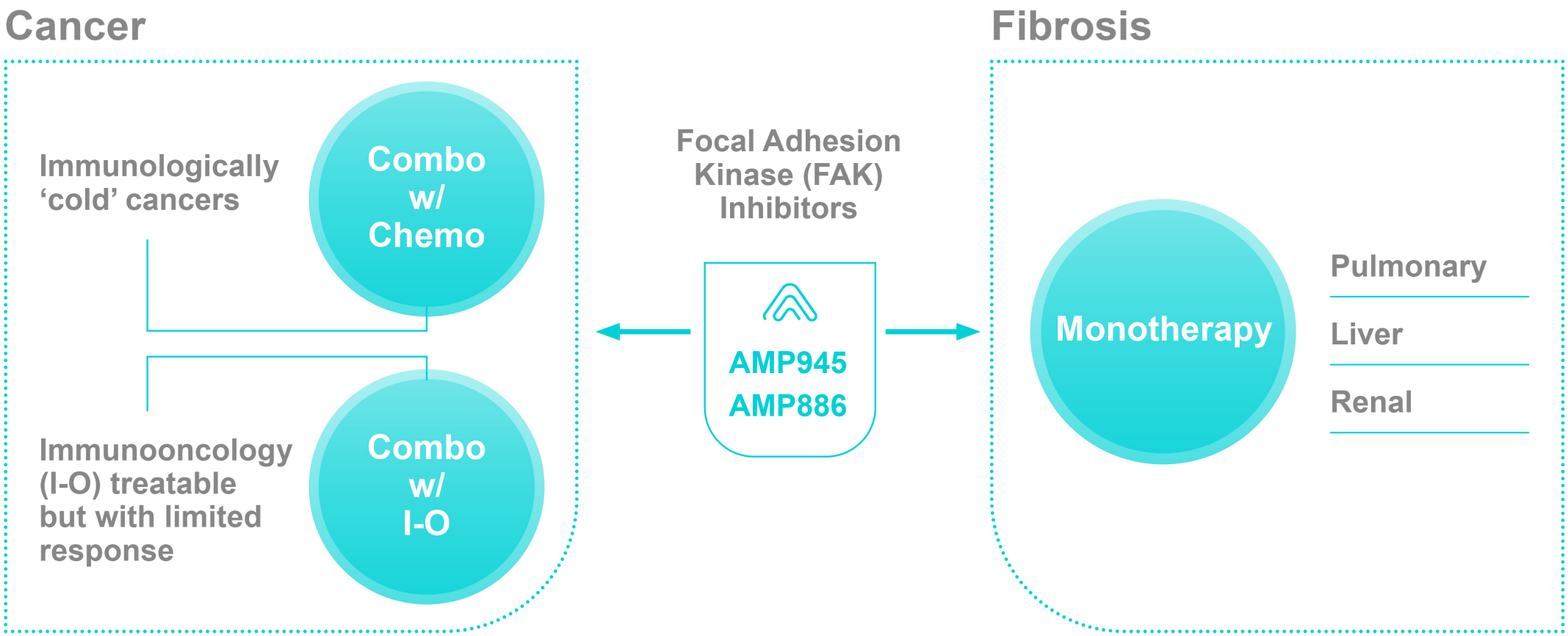
Investment Highlights

- ATX's technology addresses a multi-$Bn market opportunity:
  - ✓ Unmet clinical need in pancreatic and ovarian cancer
  - ✓ Impact in chronic fibrotic diseases: hepatic, pulmonary
- Experienced team with a stellar record in drug development and partnering
- 2019 was pivotal in terms of advancement toward the clinic and commercial execution



Multiple ‘shots on goal’ for ATX’s pipeline



2019: Accomplishments

ATX has established the foundation for clinical development of its FAK assets

- ✓ Modest capital raise
- ✓ GMP[1] drug manufacture at **kilogram scale**
- ✓ Safety studies in two species to support clinical translation with **clear evidence of safety**
- ✓ Clinical trial design and establishment of **relationships with Key Opinion Leaders** (KOLs)
- ✓ Efficacy studies that demonstrate ATX's molecules are **highly differentiated / competitive**
- ✓ Further meaningful protection of our intellectual property through new IP capture and extension of **patent life out to late 2032**

[1] Good Manufacturing Practice.

Toward Clinical Studies

During 2019, ATX established collaborations with clinical KOLs in Australia and Internationally

- ✓ Multiple opportunities for innovative and cost-effective clinical trials of ATX's FAK inhibitors in both cancer patients and healthy volunteers to support a range of indications
- ✓ Rapid pathway to Phase II studies internationally in key cancer indications (pancreatic and ovarian cancer)

Drug Manufacturing and Intellectual Property

Amplia has filed new international patents to protect the optimal formulation of the lead candidate (AMP945)

- ✓ The optimised form of AMP945 has now been manufactured at kg scale by a reputable contract manufacturer
- ✓ Suitable for clinical use, plenty of material to support planned clinical studies, oral use (once daily)
- ✓ Has been on a stability program for 9 months (bulk drug stability)
- ✓ Has remained stable, retained requisite pharmaceutical potency

Safety Profiling of AMP945

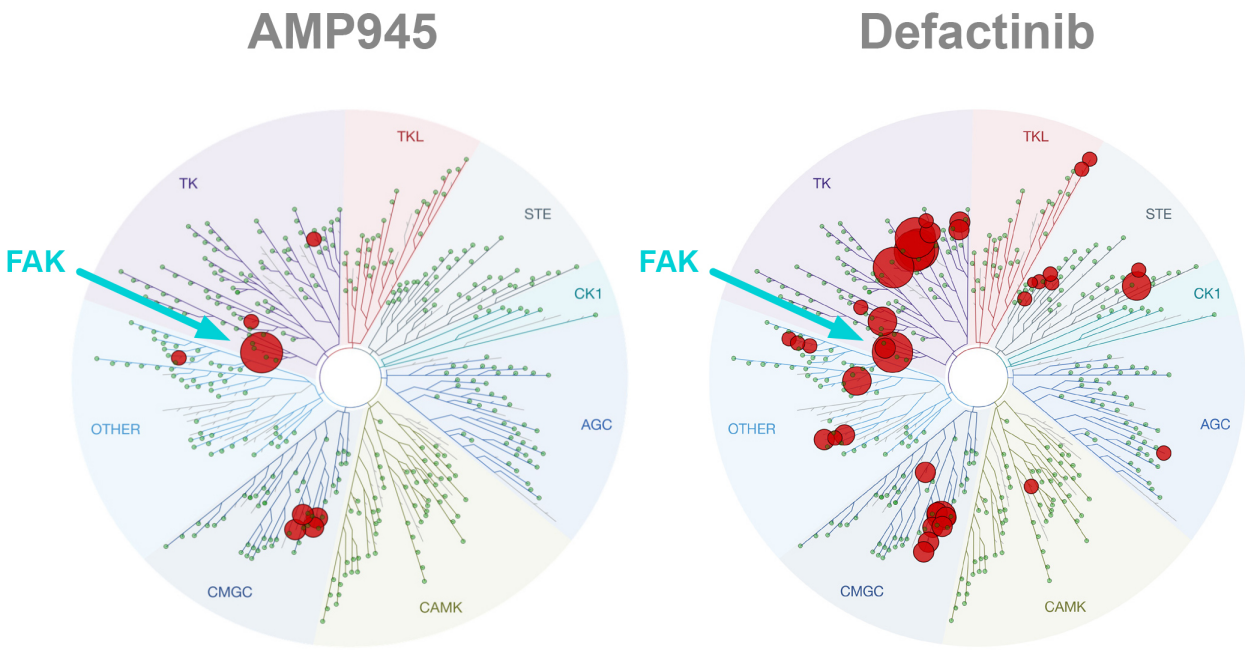
AMP945 has been tested in preclinical safety studies in two species

- These studies provide a valuable preliminary view of AMP945's toxicology
  - ✓ Enable confident dose selection
- The aims of these studies were met
  - ✓ No unexpected findings were made in preliminary studies
  - ✓ Dose ranges have been selected for further toxicology studies to support both healthy volunteer studies and US IND requirements

ATX's Lead Program (AMP945) is Differentiated

- Non-selective kinase inhibitors may exhibit more clinical side-effects / toxicity
  - ✓ We already know that AMP945 is a highly selective inhibitor of FAK
  - ✓ AMP945 has a very 'clean' kinome profile

- We have now run a study to directly compare AMP945's selectivity to that of our closest competitor, defactinib (Verastem)
  - ✓ As expected, AMP945 was shown to be much more selective for FAK than defactinib
  - ✓ Fewer off-target effects
  - ✓ Likely to be better tolerated in patients than defactinib



AMP945 is a more selective inhibitor than defactinib

2020 Corporate Objectives

- Initiation of the first clinical trials of AMP945
- Further pre-clinical development to support the clinical evaluation of AMP886
- Pharma business development activity around ATX's core assets
- Completion of IND-enabling studies that, subject to regulatory approvals, will support a rapid Phase II oncology combination therapy

Amplia
THERAPEUTICS

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