

Stock Data

Share Price:	11.38p
Market Cap:	£17.3m
Shares in issue:	152.2m

Company Profile

Sector:	Pharmaceuticals
Ticker:	N4P
Exchange:	AIM

Activities

N4 Pharma plc ('N4P, 'the Group') is a specialist pharmaceutical company developing a novel silica nanoparticle delivery system for vaccines and therapeutics for licensing to pharmaceutical and biotech partners. This nanoparticle has the potential to help the delivery of cancer immunotherapy drugs and improve the delivery of viral vaccines. **Nuvec®**, the Company's lead development is a unique, non-viral adjuvant delivery system that has the potential to revolutionise vaccines and cancer treatments.

1-year Share price performance



Source: [LSE](#)

Past performance is not an indication of future performance.

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N4 Pharma plc

N4P has announced that **Nuvec®** loaded with coronavirus plasmid has successfully transfected **Human Embryonic Kidney** ("HEK") cells *in vitro* and induced an expression of the spike protein in the cells. This successful outcome for the second stage of the Group's three stage plan for its COVID-19 proof of concept ('POC') research project being undertaken with contract research organisation ('CRO') **Evotec International GmbH** ("Evotec"), means that it will now move into its third stage being a pre *in vivo* study to demonstrate expression of the spike protein in target cells in a murine target. A successful outcome here will help determine N4P's future work streams in this area, specifically the potential for a full *in vivo* study, while also providing the foundation for proposed collaborations with appropriate partners interested in utilising any advantages the Nuvec® delivery system might offer.

Preparing for *in vivo* testing

Subject to the results of the pre *in vivo* work and/or any external expressions of interest, N4P will make a decision on whether or not to undertake the full *in vivo* studies itself or to consider conducting them through a collaborative agreement. Should they be done independently, subject to satisfactory completion of the pre *in vivo* work, they would likely commence later in 2020 and be completed within a few months.

Opportunity for COVID-19 trials collaboration

While N4P's virtual model and contracted laboratories have ensured its testing schedules have not been significantly hindered by the lockdown, the COVID-19 Pandemic has nevertheless provided it with an ideal opportunity to demonstrate how Nuvec® might substantially enhance delivery of a potential coronavirus vaccine, as well as developments for other viruses that may well surface in the future. Having already demonstrated improved product consistency along with the creation of a significant data pack, N4P appears ideally placed to commence licensing discussions with prospective partners as it continues to progress its work streams. Importantly, the Group's successful £2m gross fundraise announced on [13 May 2020](#) sufficiently bolstered its balance sheet to ensure development work can move up a gear. In tandem with the continuing relaxation of lockdown restrictions, TPI considers 2H 2020 operational burn might be expected to ramp-up from the c.£75k/month seen during 2019, as it concludes its proof of concept ('POC') work and progresses the more recently identified opportunity for [oral delivery](#). Potentially, this will be sufficient to attract participation in a COVID-19 vaccine development programme(s), thereby moving Nuvec® toward its first (partner-dependent) clinical trials collaboration along with demonstration of its GMP scalability.

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