

Computing the Future of Medicine

Final results for the year ended 31 January 2023

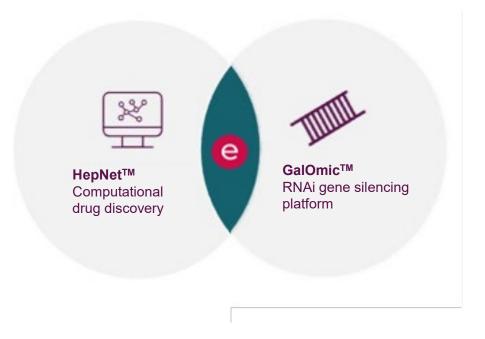
May 2023



The Power of a Human + Machine Approach

About us – A computational bioTECH

We integrate computational power and biological data to discover life-transforming RNAi medicines



Right where biotech meets tech

Final Results for the year ended 31 January 2023

Operational Highlights

A year of progress across in-house pipeline and computation

GalOmic[™] and RNAi therapeutic pipeline

- Comprehensive *in vivo* proof-of-concept data packages being generated across a variety of areas of high unmet medical need (CVD, NASH, haematology), targeting genes discovered using our HepNet™ computational platform
- Sustained **IP activity** with patent applications filed on eight further inventions arising from the Company's proprietary GalNAc-siRNA technology, GalOmicTM. Four additional applications filed post-period

HepNet™

- Expansion of knowledge base of hepatocyte-centric biology, completing proprietary curation of 100s of data sources
- Increased **integration** of HepNetTM functionality and **continued validation** of our tools (e.g. KG and target ID)
- Mapping of human genetic validation of potential targets completed for more informed target triage
- Integration of **LLMs**, **such as GPT-4**, to radically enhance computational capabilities and expansion of Al approaches to predictive siRNA drug design

Collaborations

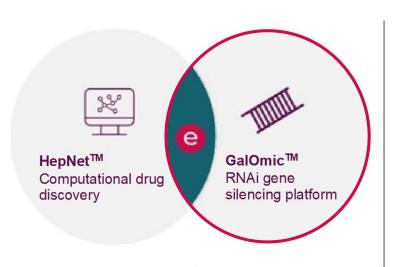
- New collaboration with iTeos Therapeutics in immuno-oncology announced in April 2022. Several milestone payments received since, in addition to upfront consideration. Additional milestone achieved post-period
- Successful completion of Galapagos NV collaboration in idiopathic pulmonary fibrosis ("IPF"), with all near-term milestones achieved demonstrating ETX's ability to effectively identify potential therapeutic strategies and targets.

Financials

Strengthened financial position following successful equity fund raise in September 2022

- Revenues of £0.5 million (2022: £5 million)
- R&D spend of £7.2 million (2022: £6.1 million)
- Operating loss before SBP of £10.2 million (2022 loss: £9.6 million)
- Loss after tax of £8.3 million (2022 loss: £8.1 million)
- £13.5 million before expenses from share placing and subscription completed in September 2022
- Cash and short-term investment bank deposits at 31 January 2023 of £31.7 million (2022: £26.4 million)
- R&D tax credit receivable at 31 January 2023 of £1.5 million (31 January 2022: £1.5 million)
- Headcount 38 (excluding Non-Executive Directors) at 31 January 2023 (31 January 2022: 35)

GalOmic[™]: Our Proprietary siRNA Platform

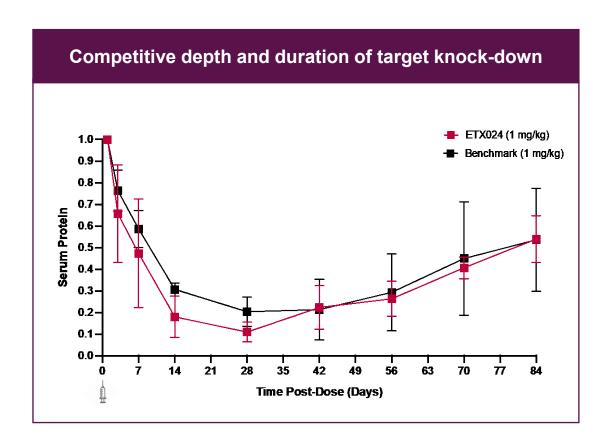


ETX RNAi Platform – A Powerful, Validated New Drug Class

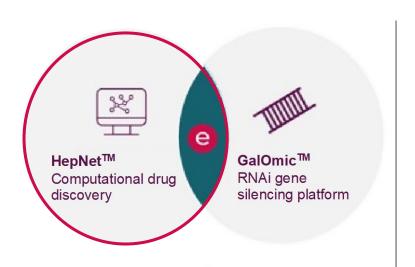
A highly specific genetic medicine platform to drug our novel target ideas

Management team has >10-year track record and scientific experience in RNAi therapeutics

- Specific delivery to one cell type (hepatocytes), sparing others
- Can specifically inhibit any gene in hepatocytes
- Long duration of action (months) & patient-friendly, sub-cutaneous injection
- RNAi drug takes 6 months to design and costs c.\$500K. Big time, cost and specificity advantage compared to traditional small molecule drugs
- High barrier to entry, with a very active IP and knowhow landscape
- Patent applications filed to protect 17 novel ETX RNAi Platform and gene target inventions
- Successfully tested proprietary RNAi Platform in head to head experiments against industry leading technology

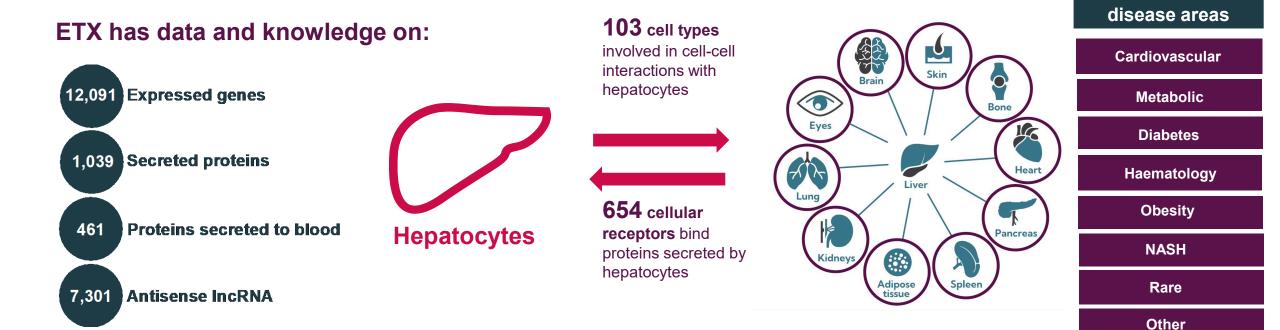


HepNet[™]: Our Computational Biology Platform



ETX Knowledgebase Captures Hepatocyte Biology as well as Crosstalk with Other Cell Types

Hepatocytes play a key role in 100s of biological processes*

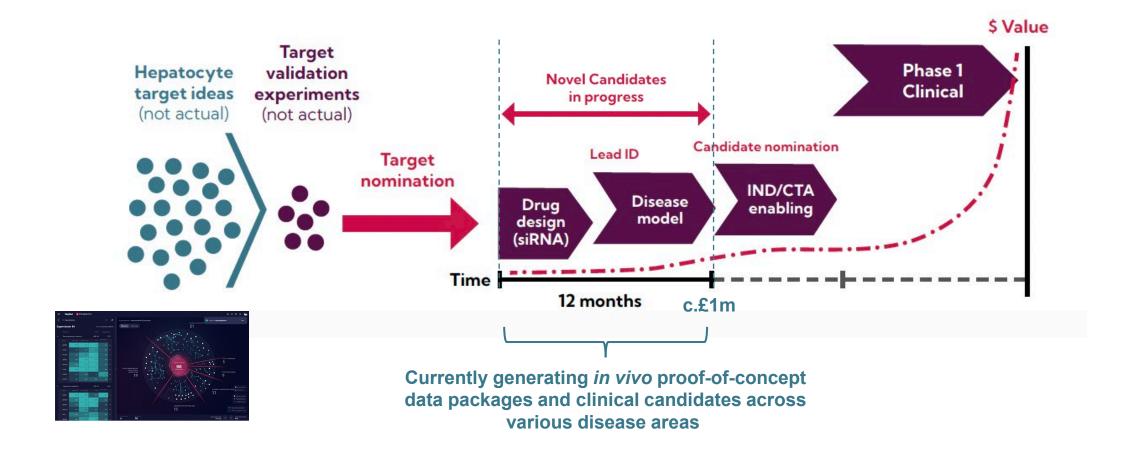


Hepatocyte associated

^{*} Numbers are derived from ETX proprietary curation and analysis of public 'omics data, proprietary data derived from NLP processing of literature and network-aware ML-driven analysis of curated pathway data

Pipeline: Generating RNAi Candidates Against our Novel Targets

Several therapeutic candidates in pre-clinical prosecution



ETX Powered by LLMs

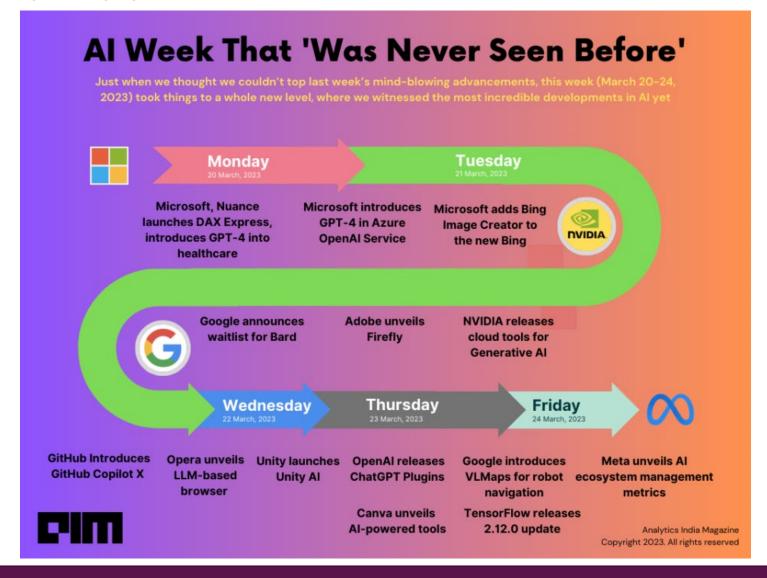
We Had A Problem With Text!





ETX Business Dynamics have Changed in a Matter of Weeks

March 20-24 2023



Calendar of events:

Nov 2022 – ChatGPT launched (GPT3 based)

Dec 2022 – Improved embedded ChatGPT model

14 March 2023 – GPT4 launched

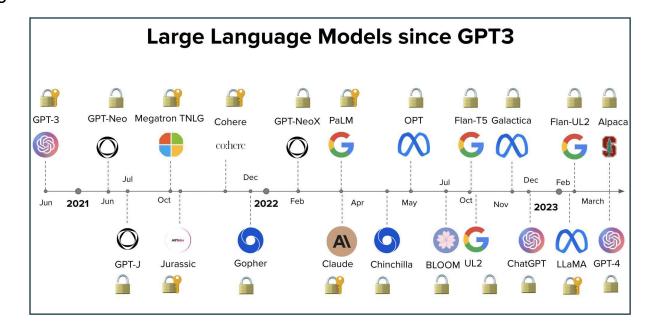
ETX actively incorporating LLMs into HepNetTM

GPT4 and Large Language Models

GPT4 features:

- Trained on dataset consisting of internet text, books, articles
- Significantly better outputs than GPT3
- Can use images as well as text
- Can write advanced code
- Live internet connection
- Plug-ins which enable
 - Access to real world information
 - Access to specialised & proprietary functionality
- Not the only LLM but currently the best

LLMs are advanced computer programs that use artificial intelligence to process and <u>understand</u> human language



Adding AI Language Capability

A game changing addition to ETX, supercharging our business model

HepNetTM +



Scale
Reasoning & Prediction
Speed
Invention rate
Automation

Computing the future of medicine ™



ETX Specialist 'Al Agents'

- Fine-tuned to our business, projects and processes
- Trained with hepatocyte-specific data
- Trained with siRNA sequences/constructs
- Trained on all relevant scientific papers

ETX Before/After LLMs – Case Study : Patent Mining Project

<u>AIM</u>: Extract, analyse and formulate a patent strategy that takes into account all 400k RNAi related patents from 2001

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ETX AI Patent Agent

Extract and store all relevant patents	+++
Summarise and categorise patents	+
Extract all sequences, constructs and performance	++
Cross talk with HepNet	+
Understand the syntax of patent documents	manual
Find gaps for FTO and new IP	manual
Find new learnings to infer new information	manual
Find patents in other drug modalities relevant to our targets	manual
Write new patent applications	manual

A Unique Generalisable Model for Drug Discovery

Integrating computational power with biological data to discover novel RNAi medicines



Unparalleled ability to model complex human biology



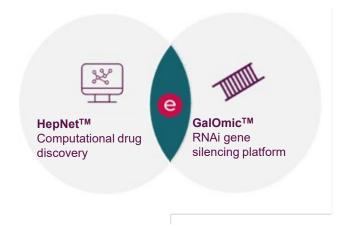
Identify novel gene targets



Design **RNAi medicines** that silence those genes



Significantly **accelerated** progress of in-house **pipeline** across multiple diseases



Computing the future of medicine ™

...much more than a slogan, now in a near-term horizon