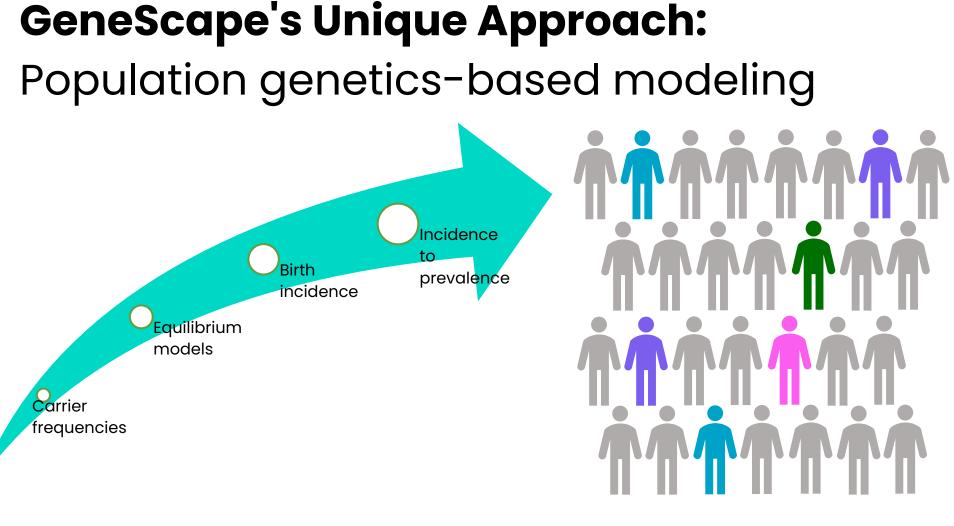
Your Compass for Navigating Rare, Ultra–Rare and Orphan Disease Epidemiology

GeneScape

A Major Challenge in Orphan Drug Development:

Understanding the scale of unmet need is central to drug development strategies





Major Impacts to Development Strategy

- Ο
- Ο

Independent of diagnosis can reveal hidden or overlooked patient subsets

Improved allocation of resources clinical trials & manufacturing

Support regulatory filings



How Does GeneScape Compare?



Best estimate of total number of CF patients within the US (c.2017):

28,675

95% Confidence Range: 25,982 - 30, 698

Estimated number of children born in the US with CF in 2017: 1,081 95% Confidence Range: 995 – 1,175

registry in 2017[†]:

Newly diagnosed cases in 2017: 880 Median age at diagnosis: 3 months

[†]:CF Foundation Annual Report 2017



Total number of people with CF in the US

29,887



GeneScape's Collaborations and Partnerships

Luisman et al. Orphanet J Rare Dis (2021) 16:300 https://doi.org/10.1186/s13023-021-01889-z

RESEARCH

Orphanet Journal of Rare Diseases

Open Access

Genetic epidemiology approach to estimating birth incidence and current disease prevalence for rhizomelic chondrodysplasia punctata

Tarik Luisman¹, Tara Smith^{2*}, Shawn Ritchie² and Karen E. Malone^{1*}¹⁰



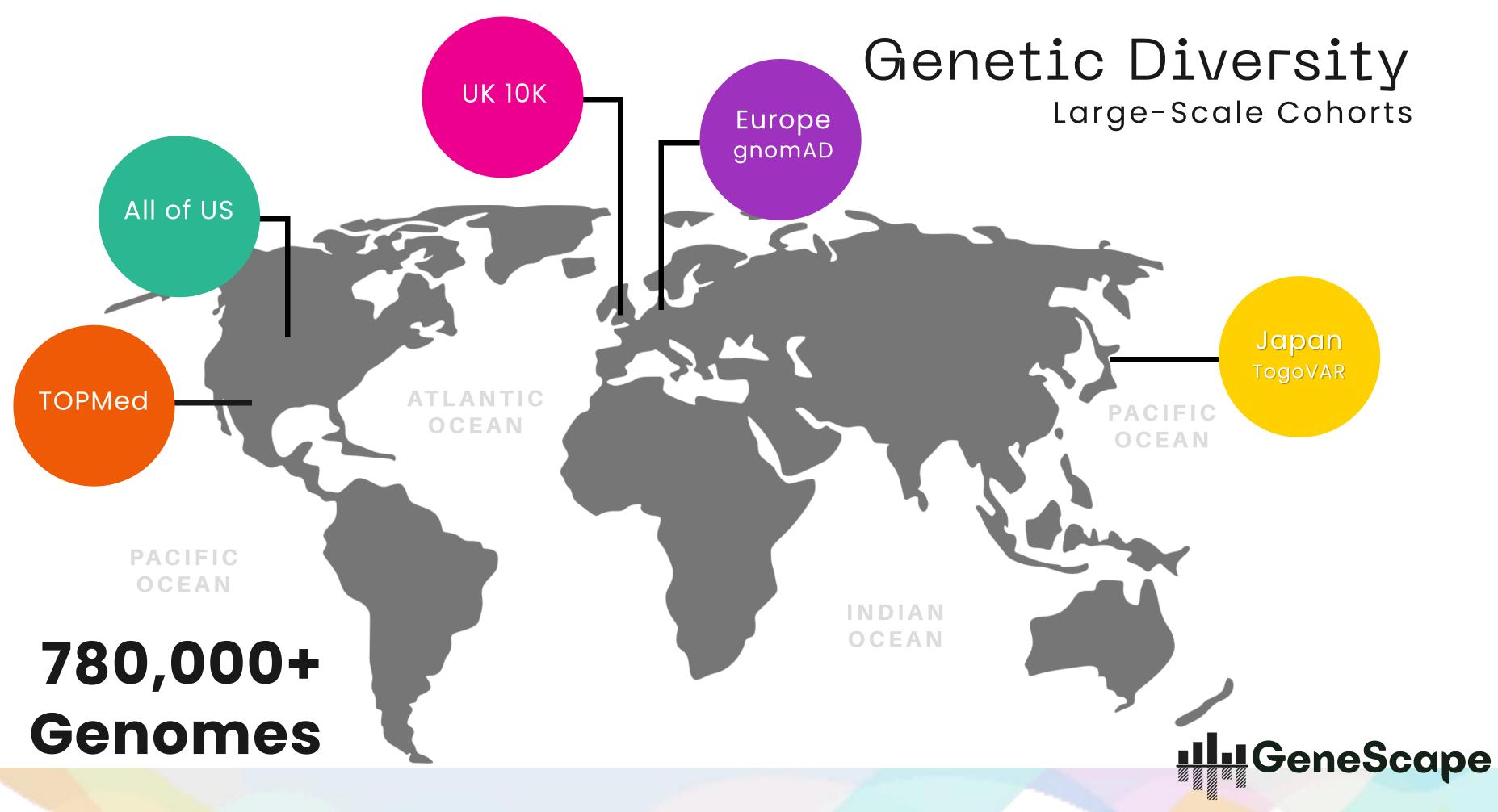










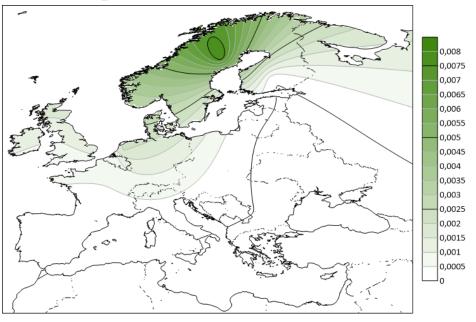


Increased resolution of variant geography

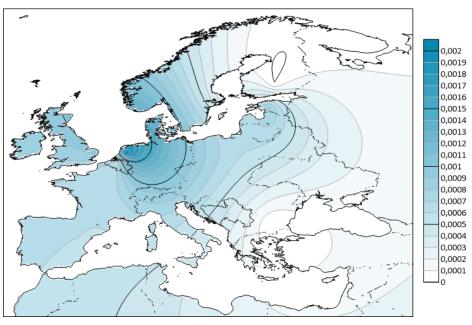
PEX1-driven Zellweger Spectrum Disease

- Highly variable disease with impact to life expectancy, depending on the genotype
- Two main variants (mutations) drive these populations in Europe
- These data can be used to determine the regions with highest probability of patients.

PEX1, p.1700fs



PEX1, p.G843D





Meet Our Team



Karen Malone, PhD CEO



Irisa Ono Communications & Strategy





Tarik Luisman

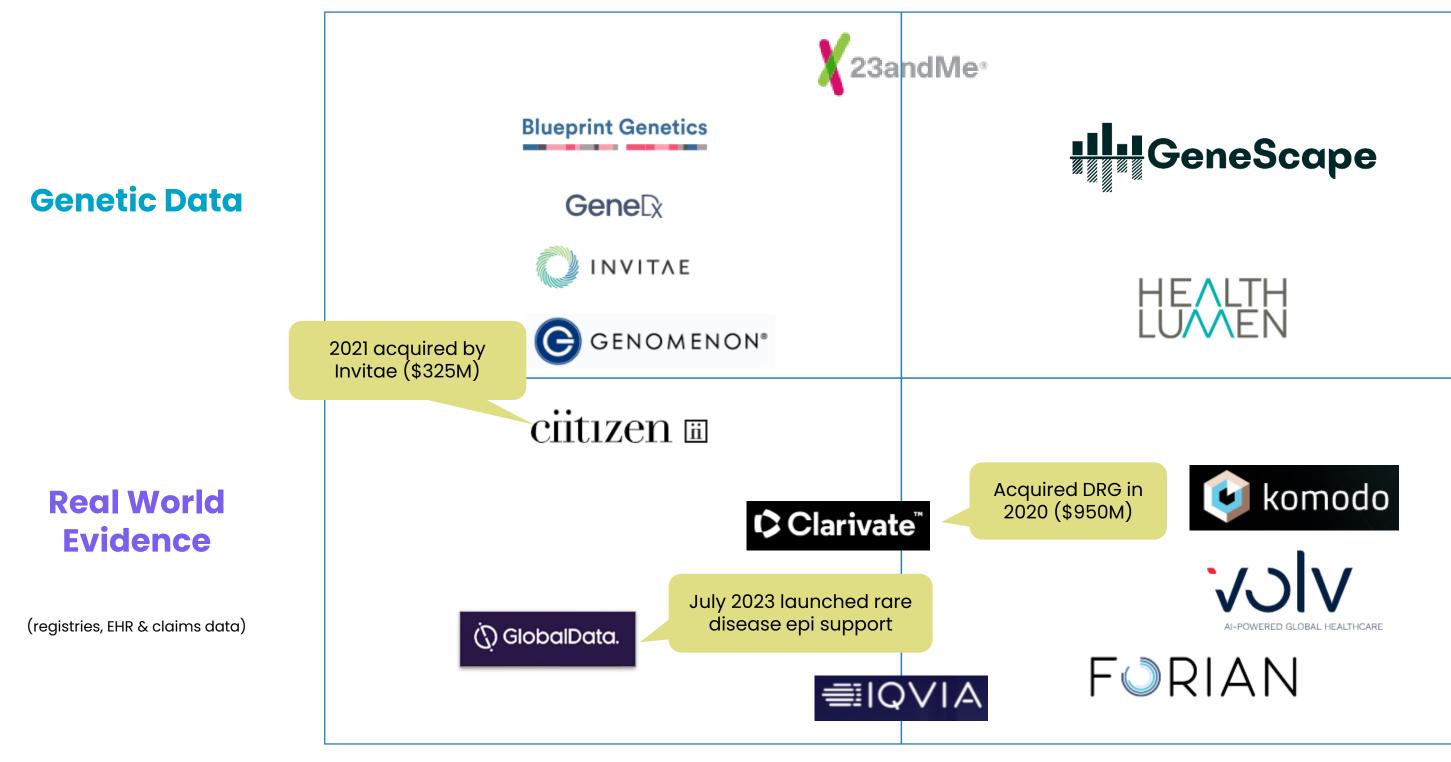
Director Bioinformatics & Digital Systems



Mathijs Gaastra Data Analyst



Our Unique Positioning



Patient-Oriented Data

Population-Oriented Data



Where to next?

Access to Capital

Continue Bootstrapping

Exploring non-dilutive strategies

Future Milestones

- Expect to top IM+ genomes in H1/2024
- Add 2-4 FTE in the coming year
- Migrate to high performance computing environment
- Monetize MVP for literature-based tool in 2024

Open to Seed Investment



Contact

www.GeneScape.nl info@GeneScape.nl

Karen Malone Karen@GeneScape.nl

>End of line

