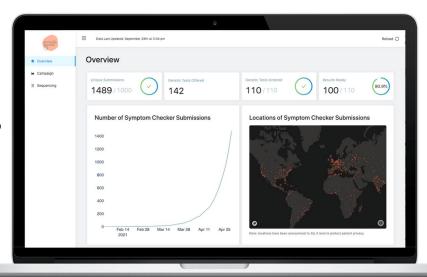


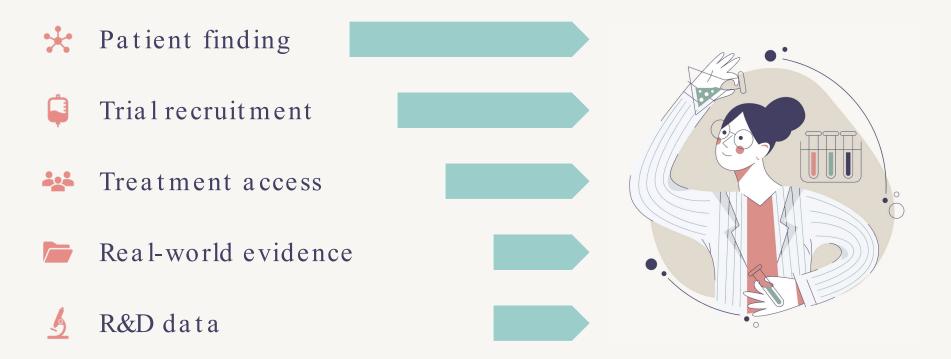
Finding undiagnosed rare disease patients

Ultragenyx Bootcamp, 2023



Lukas Lange, PhD CEO lukas@probablygenetic.com

Platform to commercialize rare disease treatments



probably genetic

Platform to commercialize rare disease treatments





How we diagnose patients is broken

- 8 years
- 3 misdiagnoses
- No trial recruitment & treatment access

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Daughter has autism, seizures, is losing her vision, can't climb stairs













We find patients online using machine learning and at

-home testing



Awareness

Patients find us online

Machine learning

Platform identifies undiagnosed patients

Testing

Patients are tested remotely

Results

Patients receive results

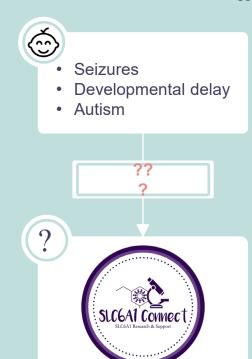
Pharma gets data





Awareness





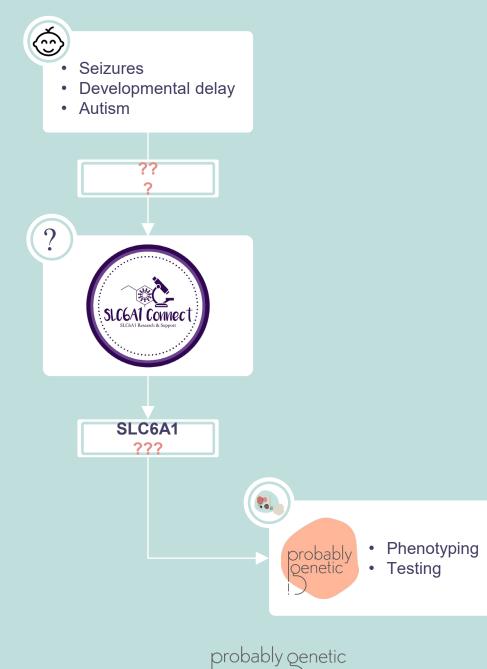




Awareness

We built an invisible network of patient advocacy groups





Awareness

We built an invisible network of patient

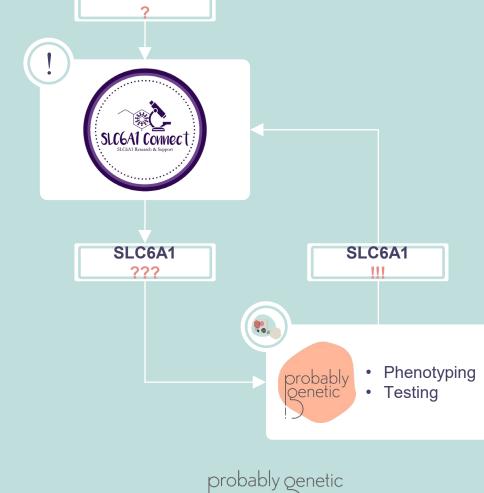
advocacy groups

Seizures • Developmental delay • Autism



Awareness

We built an invisible network of patient advocacy groups





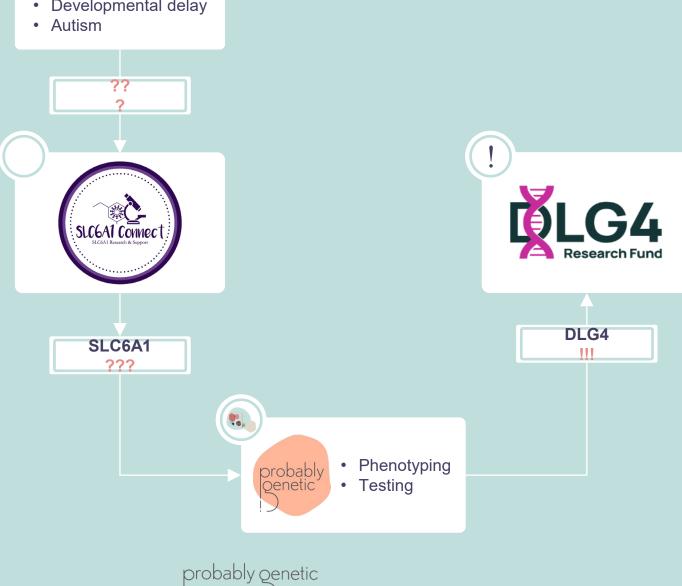
- Seizures
- Developmental delay





Awareness

We built an invisible network of patient advocacy groups







Awareness

We built an invisible network of patient advocacy groups

[™] KDVS

About Us

s KDVS Community

Events

Get Involved

DONATE



The Koolen-de Vries Syndrome Foundation has partnered with Probably Genetic to increase access to genetic testing within our community. Probably Genetic's no-cost genetic testing program for pediatric epilepsy disorders is patient-initiated and includes genetic counseling to explain any questions or findings. If you or a loved one are experiencing symptoms associated with pediatric epilepsy or developmental disorders, you can apply to the program by completing the short quiz below. Eligible individuals receive a sample collection kit mailed directly to their home, with a return pickup service included.

Results are delivered 6-8 weeks after samples are received at the lab, with genetic counseling conducted virtually or over the phone.

Probably Genetic Symptom Checker



Sign In

Is our genetic test right for you? Check eligibility.



Take our quiz to see if you are eligible for a FREE genetic test. No credit cards, no doctor appointments, and no insurance necessary. All from the comfort of your home.

Note: testing is available in all US states except for NY.

Learn more

Para español

Testing available in all U.S. states except NY
This web-tool does not provide medical advice ①

By continuing, you accept our terms of service and are aware of our privacy policy and practices.

Check Eligibility

press **Enter** ←





>\$150k monthly ad spend in network





Awareness

We built an invisible network of patient advocacy groups



























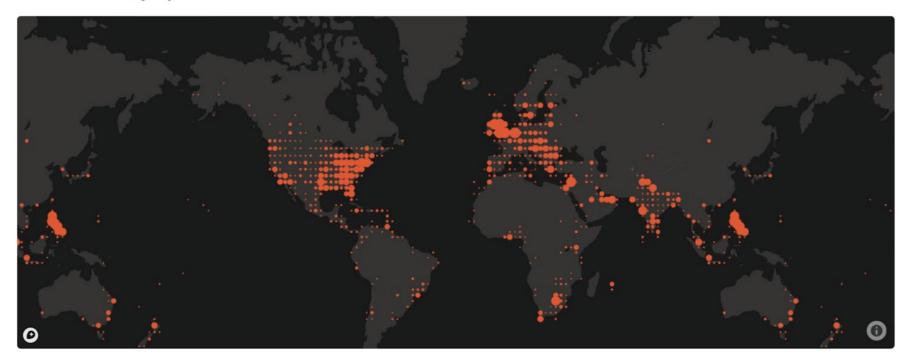






Thousands of patients sign up every month, globally

Locations of Symptom Checker Submissions





2 Machine learning

Live learning system identifies undiagnosed patients

• · · Text · · · Photos · · · · Videos · · · Audio · ·

- ✓ Phenotypic terms
- ✓ Family pedigree
- ✓ Medical history
- Meta data
- ✓ Lab reports
- EMR integrations

- ✓ Face
- Skin
- Hands
- Feet

- Seizures
- Movement
- Behavior

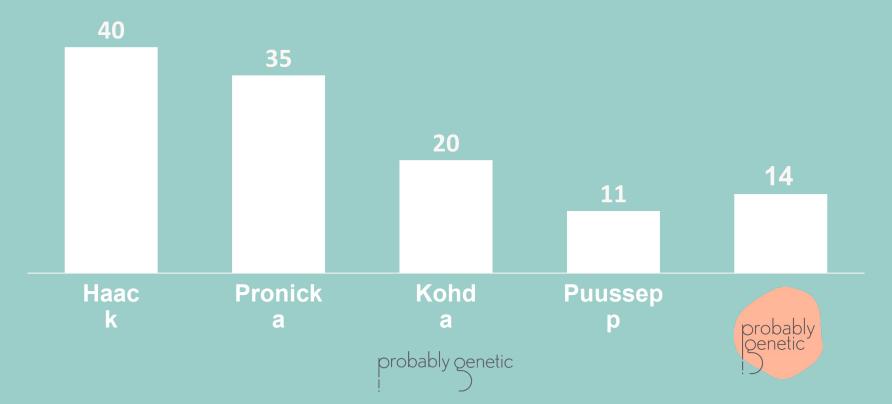
- Voice
- Hearing

probably genetic



Mito program competitive with published studies

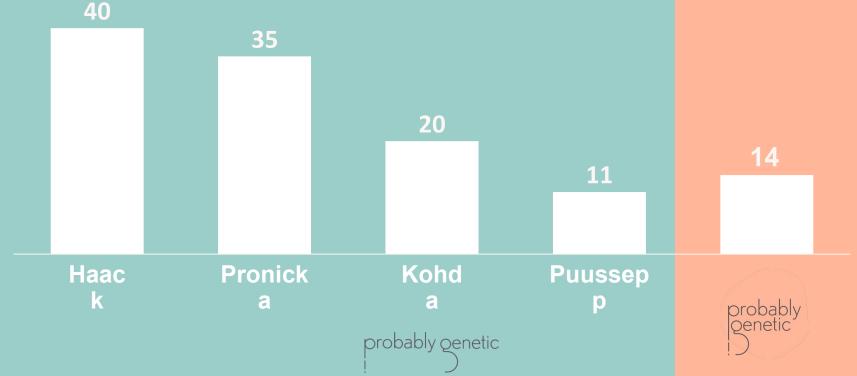
% of patients tested confirmed to have a mitochondrial disorder

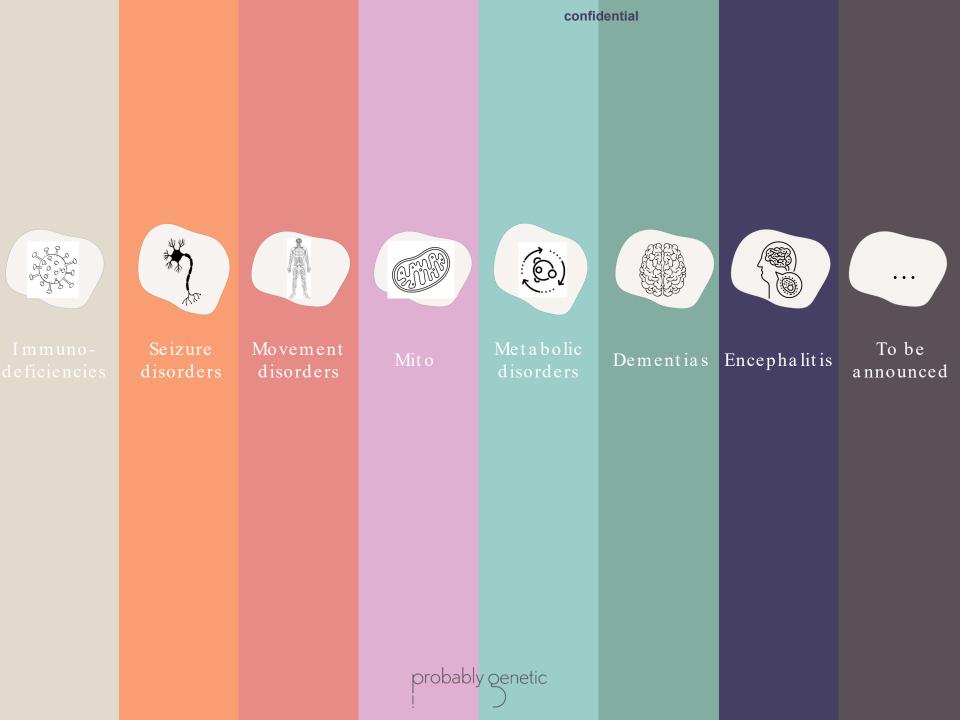


Clinically diagnosed with mitochondrial disease prior to testing by specialists

Selected by machine learning algorithm

% of patients tested confirmed to have a mitochondrial disorder







Trying to find patients? Send us an email

Lukas Lange, CEO lukas@probablygenetic.com



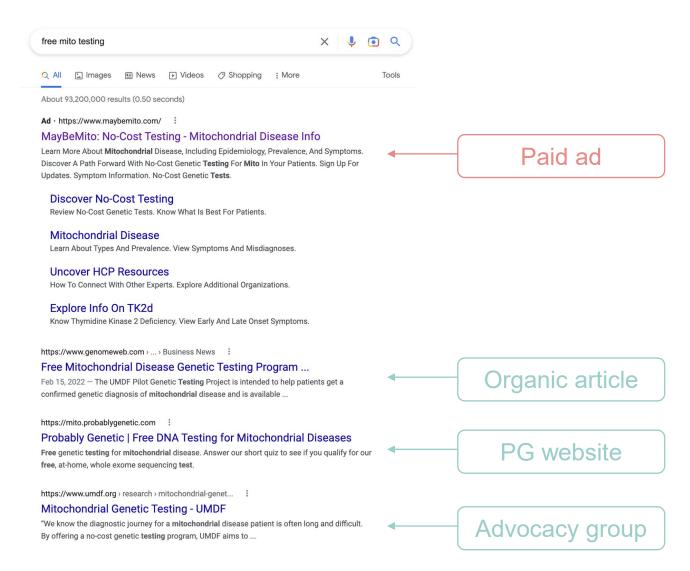
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Patient acquisition: patients find us online via

paid and organic









Patient acquisition: patients find us online via

paid and organic





Paid

Organic





