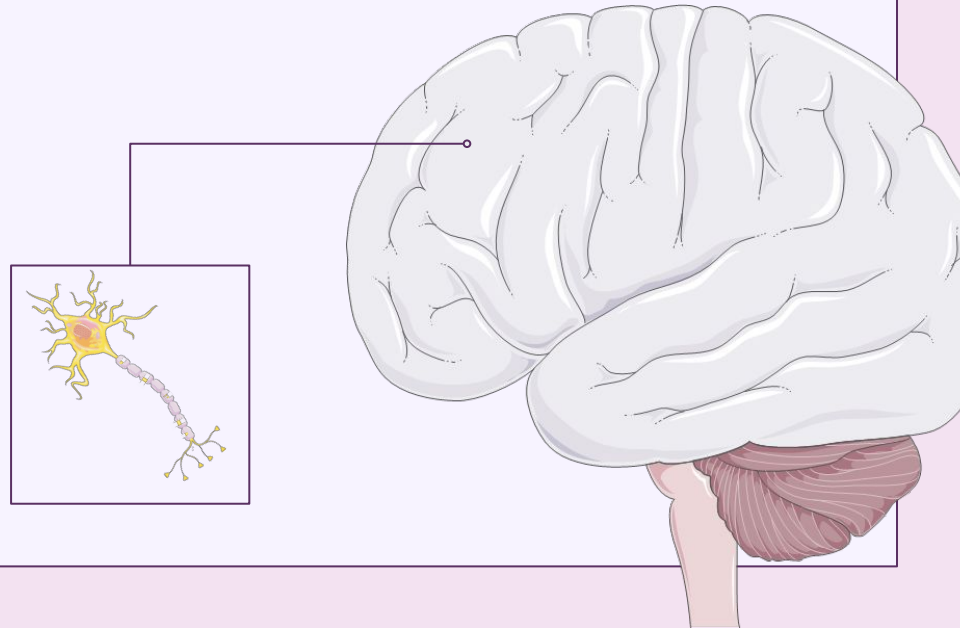


# Meet ALD

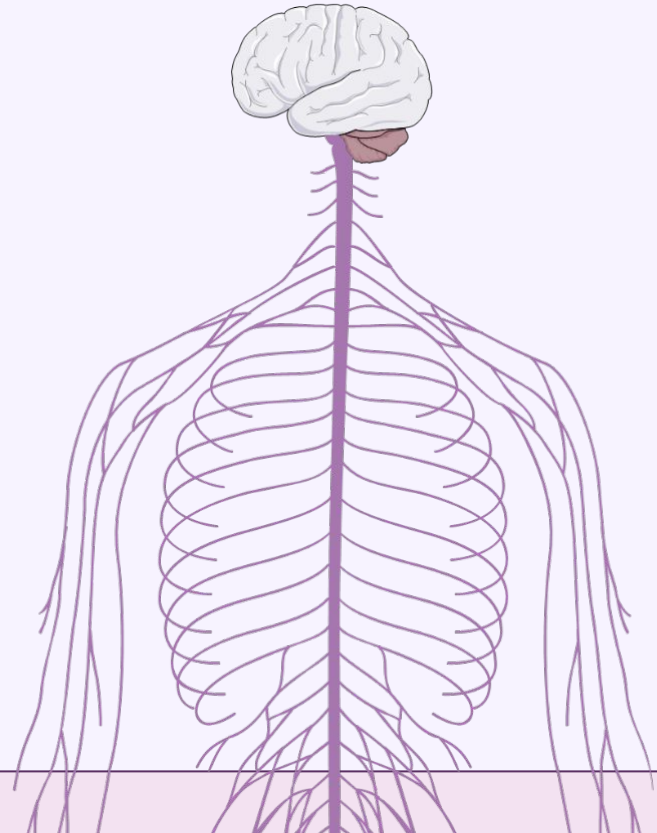
Georgina and Sofia



*Illustration by Smart-Servier Medical Art*

# Problem

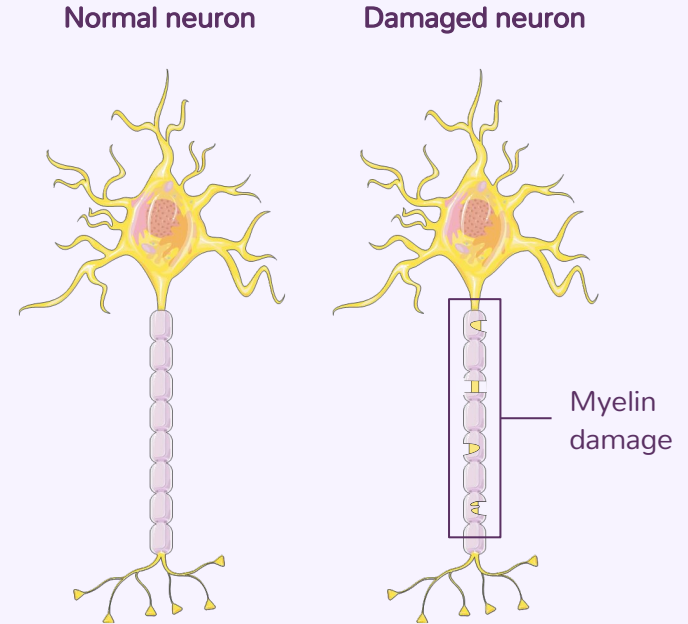
Lack of  
awareness



*Illustration by Smart-Servier Medical Art*

# Relevant Literature

- [International Recommendations for the Diagnosis and Management of Patients with Adrenoleukodystrophy](#)
- [Time to Transplant in X-Linked Adrenoleukodystrophy](#)
- [Presymptomatic Lesion in Childhood Cerebral Adrenoleukodystrophy Timing and Treatment](#)
- [MRI surveillance of boys with X-linked adrenoleukodystrophy identified by newborn screening](#)
- [Structure and Function of the ABCD1 Variant Database](#)
- [A report on state-wide implementation of newborn screening for X-linked Adrenoleukodystrophy](#)



# Data we worked with



Relevant literature from ALD  
Connect and other sources



AI model and fine tuning algorithms  
to create relevant content



**An easy to use content creating  
tool to help reach broader  
audiences and raise awareness**



# Methods: NLP for medical data

## 1. Aggregating accurate free text data

Compiling a database with high quality and accurate data on ALD.

## 2. Fine tuning the best performing AI model

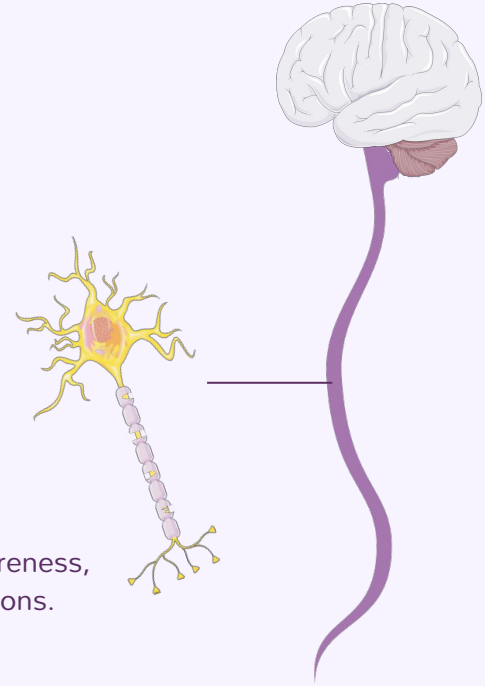
Using the ALD database to fine tune our AI model.

## 3. Collecting user inputs

Develop a user interface to collect user input for

## 4. Output personalized ALD content

Output personalized ALD content that can be then used for social media to raise awareness, to educate family members or create educational blogs for health advocacy organizations.



# Results - Features

## 01 A literature database

Provides more clarity and insight into current research, clinical trials and innovations around ALD

## 02 A content creating platform

An easy interface to create media content for education about ALD where foundations and individuals can share and explore new opportunities

## 03 Customizable tools

The platform can be tuned to produce more relevant content about a specific aspect of ALD: from symptoms to treatment options

## 04 Advocacy and awareness

The tool can help further raise awareness about ALD and attract a broader audience by opening new media channels

# Discussion

Potential to increase diagnosis rate by raising awareness among groups of patients of different age and gender

- The customizability of the tool helps to make the content appealing to different audience through detailed and interactive prompts

Organizations, physicians and caregivers can engage with patients more actively

- Forming a more welcoming and trusting community around ALD can help raise awareness around its symptoms, helping to increase diagnosis rate

# Challenges and Future predictions

The tool can be applied to other rare diseases

We are planning to keep fine tuning the AI model to give more customizable on demand content, including visuals

[Home](#) [Data Sources](#)

## ALD Awareness Campaign

Raise awareness and support for ALD research and patient care

### Generate Personalized ALD Awareness Content

Target Audience

Prompt

Objective

GENERATE CONTENT



# Challenges and Future predictions

[Home](#) [Data Sources](#)

## ALD Awareness Campaign

Raise awareness and support for ALD research and patient care

### Generate Personalized ALD Awareness Content

GENERATE CONTENT



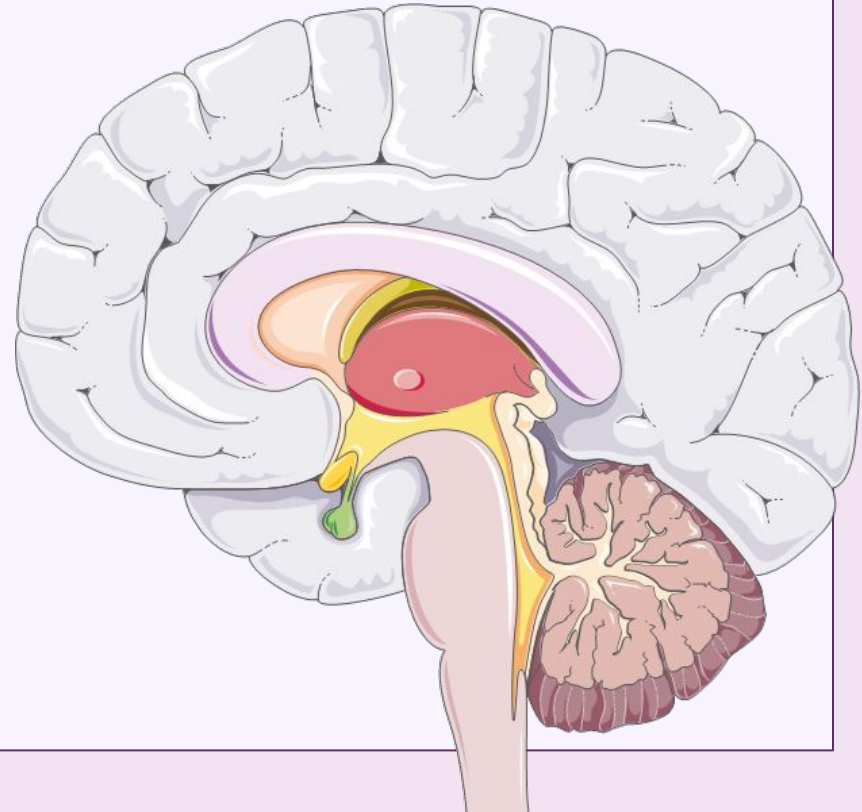
# Thanks

Do you have any questions?

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