



## Al and the Rights of Autistic people

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Autscape



- Al advocacy in Europe: training materials
  - Literature review: what do researchers want?
  - Survey: what do autistic people want?

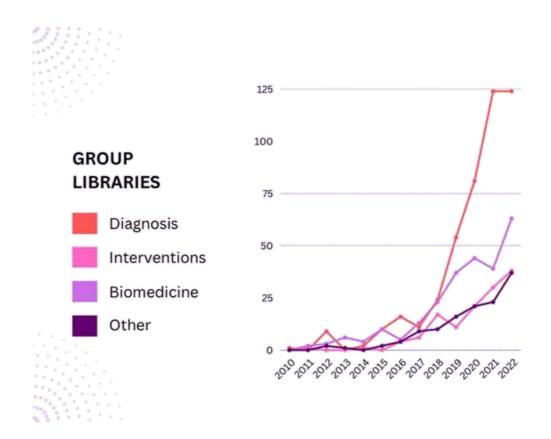
European
Artificial Intelligence
& Society Fund

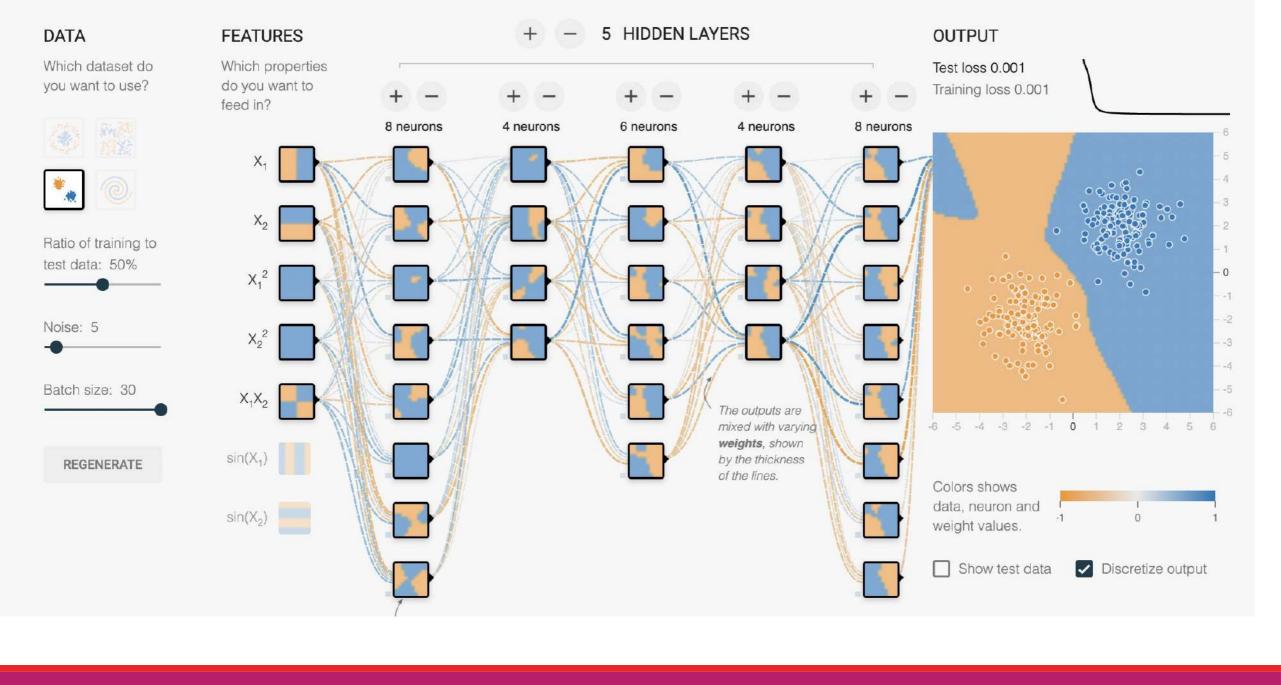


## The results so far: literature review

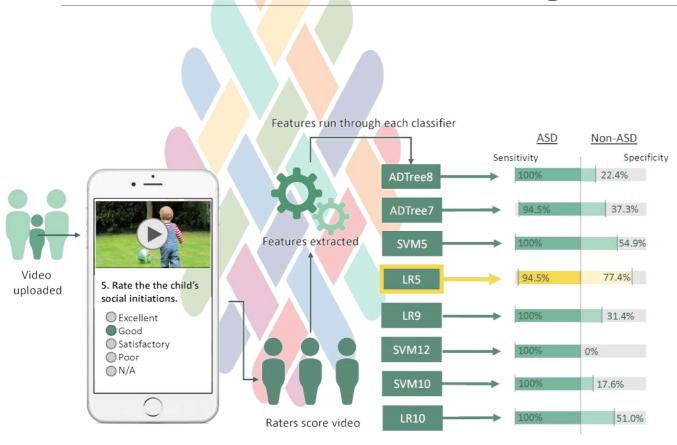
- Al-based approaches to autism
  - 1070 articles in total

Neural networks!





## Al diagnosis and interventions



RESEARCH ARTICLE

Mobile detection of autism through machine learning on home video: A development and prospective validation study

Qandeel Tariq<sup>1,2</sup>, Jena Daniels<sup>1,2</sup>, Jessey Nicole Schwartz<sup>1,2</sup>, Peter Washington<sup>1,2</sup>, Haik Kalantarian<sup>1,2</sup>, Dennis Paul Wall<sup>1,2</sup>\*



## Al diagnosis and interventions

Learning Visual Attention to Identify People with Autism Spectrum Disorder

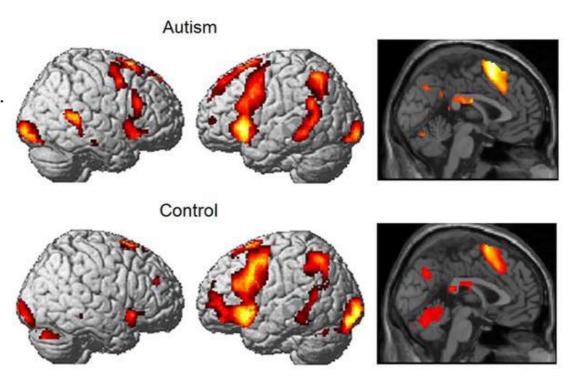


## Al diagnosis and interventions

RESEARCH ARTICLE

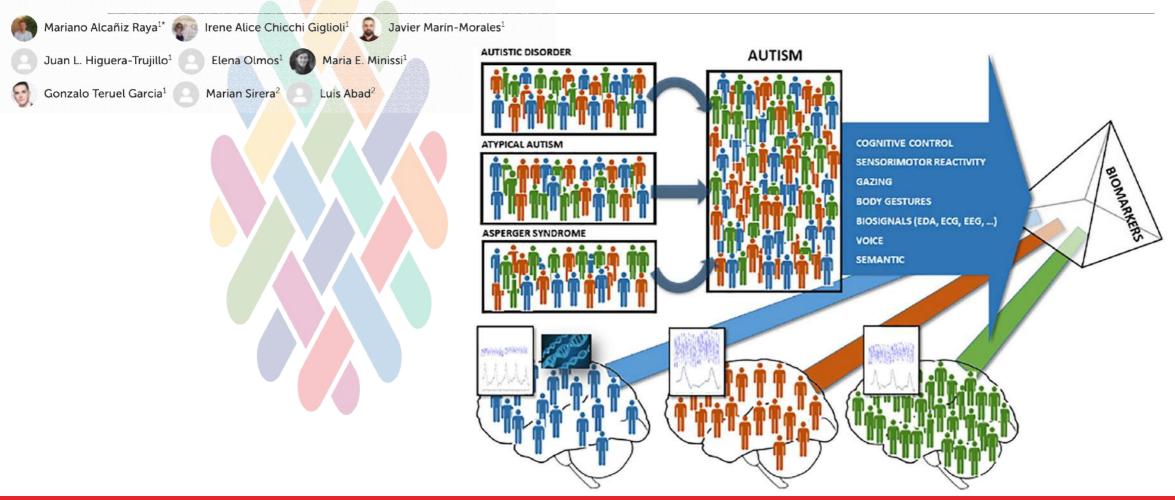
### Identifying Autism from Neural Representations of Social Interactions: Neurocognitive Markers of Autism

Marcel Adam Just<sup>1</sup>\*, Vladimir L. Cherkassky<sup>1</sup>, Augusto Buchweitz<sup>1,3</sup>, Timothy A. Keller<sup>1</sup>, Tom M. Mitchell<sup>2</sup>



Application of Supervised Machine Learning for Behavioral Biomarkers of Autism Spectrum Disorder Based on Electrodermal Activity and Virtual Reality

## Al biomedicine



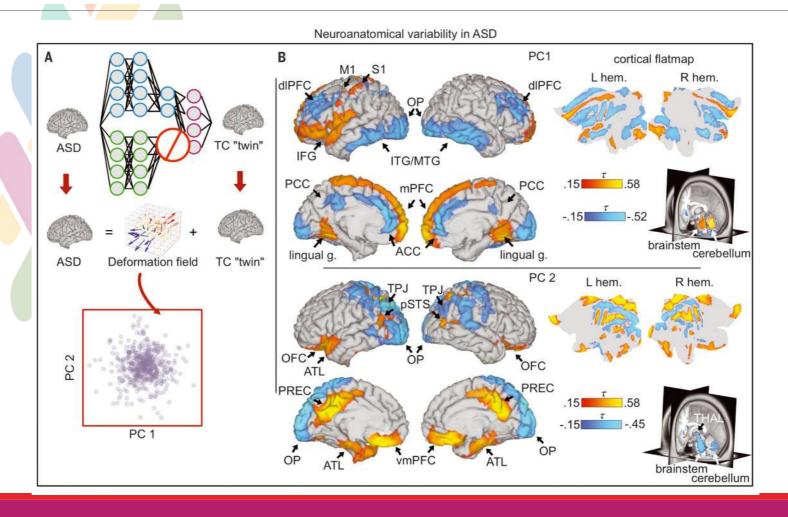
#### RESEARCH ARTICLE

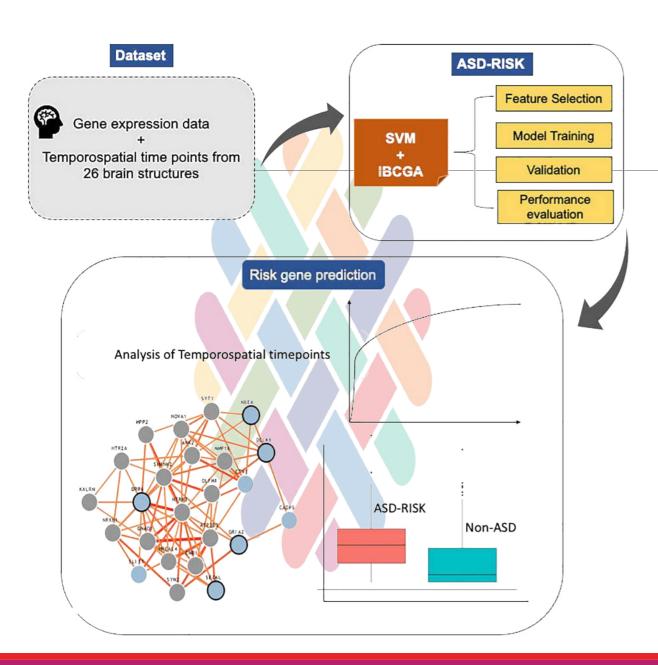
#### NEURODEVELOPMENT

## Contrastive machine learning reveals the structure of neuroanatomical variation within autism

Aidas Aglinskas\*, Joshua K. Hartshorne, Stefano Anzellotti

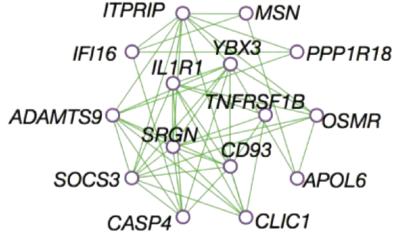
## Al biomedicine

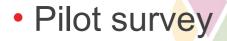




## Al biomedicine







- Al advocacy training materials
- Link with broader disability community



# Artificial Intelligence and the Rights of Autistic people

The following questions will ask you about your attitudes and experiences with artificial intelligence. There are no right or wrong answers and you are free to leave any question unanswered without repercussions.



# smart AAC 상징제작



## Al scoops



Links and contact information

**EUCAP** website:

https://eucap.eu

Queries about this presentation:

https://eucap.eu/aira

aira@eucap.eu

Pilot survey

