# AIR.CAV<sub>2</sub>.4 Dravet



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AIR.CAV<sub>2</sub>.4

Dravet



Huge unmet needs

• With marketed Anti Seizure Medications, Dravet remains incurable

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- Do not fully control the seizures
- Have no effect on developmental and behavioral disturbances
- The Battle = new disease modifying drugs
  - Simplest solution = supply the deficient gene
  - Gene too big to fit most common gene delivery systems





#### **Features**

Natural neuronal tropism

Large payload capacity (full gene)

Not immunogenic in human

Made replication-defective

**Neuron-specific promoter** 

Full codon-modified SCN1A transgene

Not integrative



#### **Preclinical Proof-of-concept data**

- Widespread brain distribution via retrograde axonal transport following a single intra-parenchymal administration
- Long-term expression in both inhibitory and exitatory neurons
- Reverts Dravet phenotype in both juvenile and young adult Dravet mice models
  - Improved survival
  - Protection from spontaneous and heat-induced seizures
  - Corrected behavioral deficits
- No de novo immune response in rodent and NHP







#### Seasoned Team with academic, pharma and biotech background

- Inception: Q3 2025
- Academic sciences incubated by Ampleia (start-up studio)
- Business model: mature program up to POC phase 2 stage and sell or partner to Pharmas
- Stage of financing: Seed/Series A round (Q4 2025)







Trial readiness for Phase 1b/2a study in Dravet patients



#### On-going (Q3 2025)

- Inception of the newco
- First Seed ticket from Ampleia (start-up studio)

Next steps (Q4 2025 onward)

- Deployment of R&D plan
- Seed/Series A financing round



## Should you be interested in the project, please contact OAMPLEIA



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