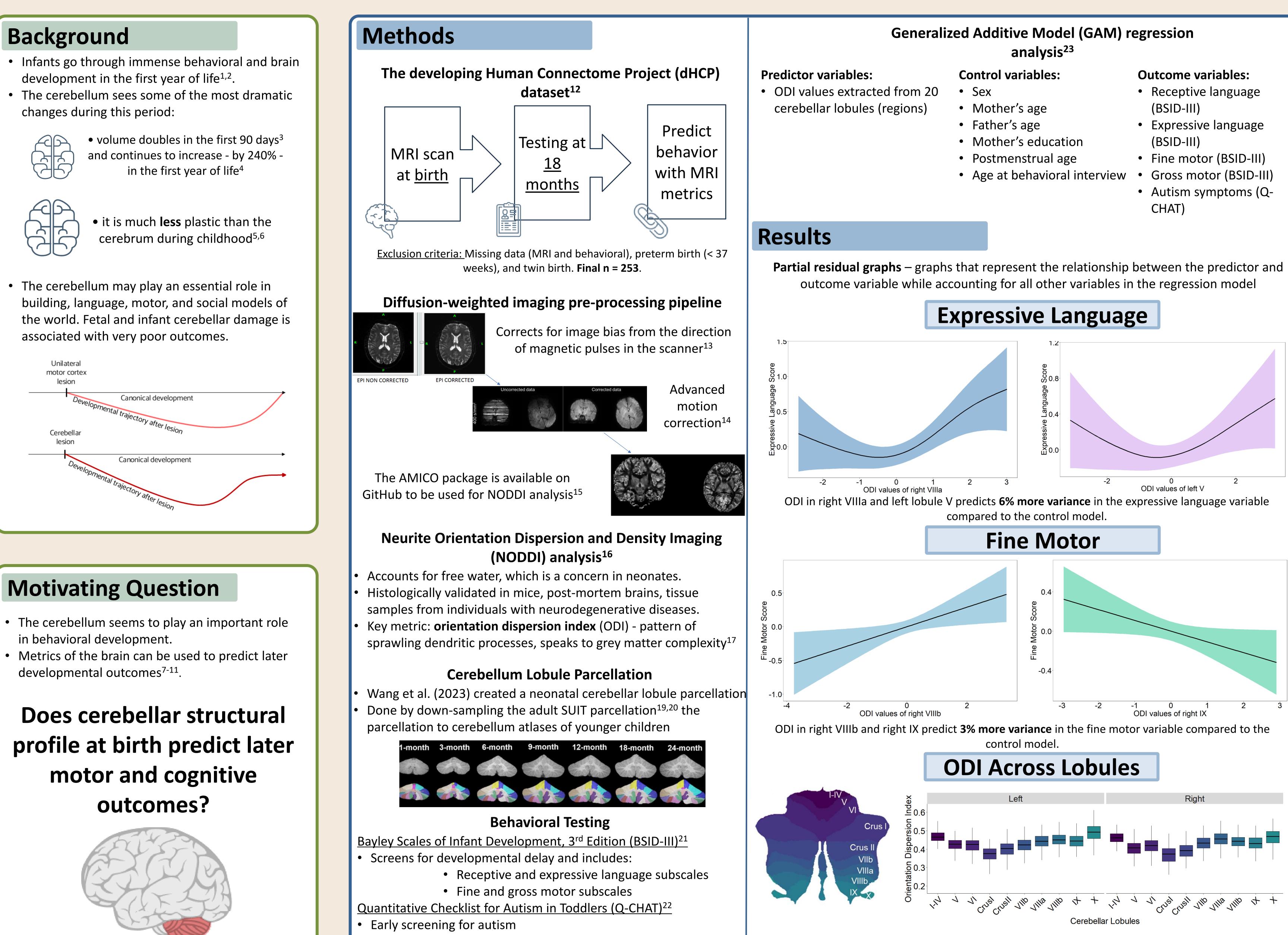
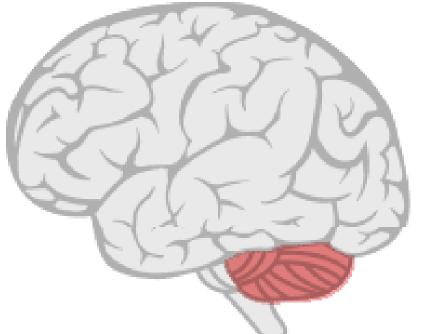


Infant cerebellar microstructure influences motor and language performance in toddlers





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Parent reported

Higher ODI is motor regions (I-IV and X) reflects relatively earlier maturation of motor regions as compared to more cognitive regions, Crus I and II.

Conclusions

- Cerebellar neurites at birth are predictive of expressive language and fine motor abilities at 18 months.
- Neurites in a control region, the occipital lobe, did not explain any variance in these metrics.
- 3. Regions involved in verbal working memory (VIIIa and VIIIb)²⁴, tongue (VIIIa) and mouth movements (V)²⁵ and ocular-motor behavior/default mode network (IX)²⁶ were found to drive these relationships.

