



Aggression in Children:
unraveling gene-environment
interplay to inform Treatment
and Intervention strategies



European Commission
Seventh Framework Programme

Combining genome-wide association studies in ACTION

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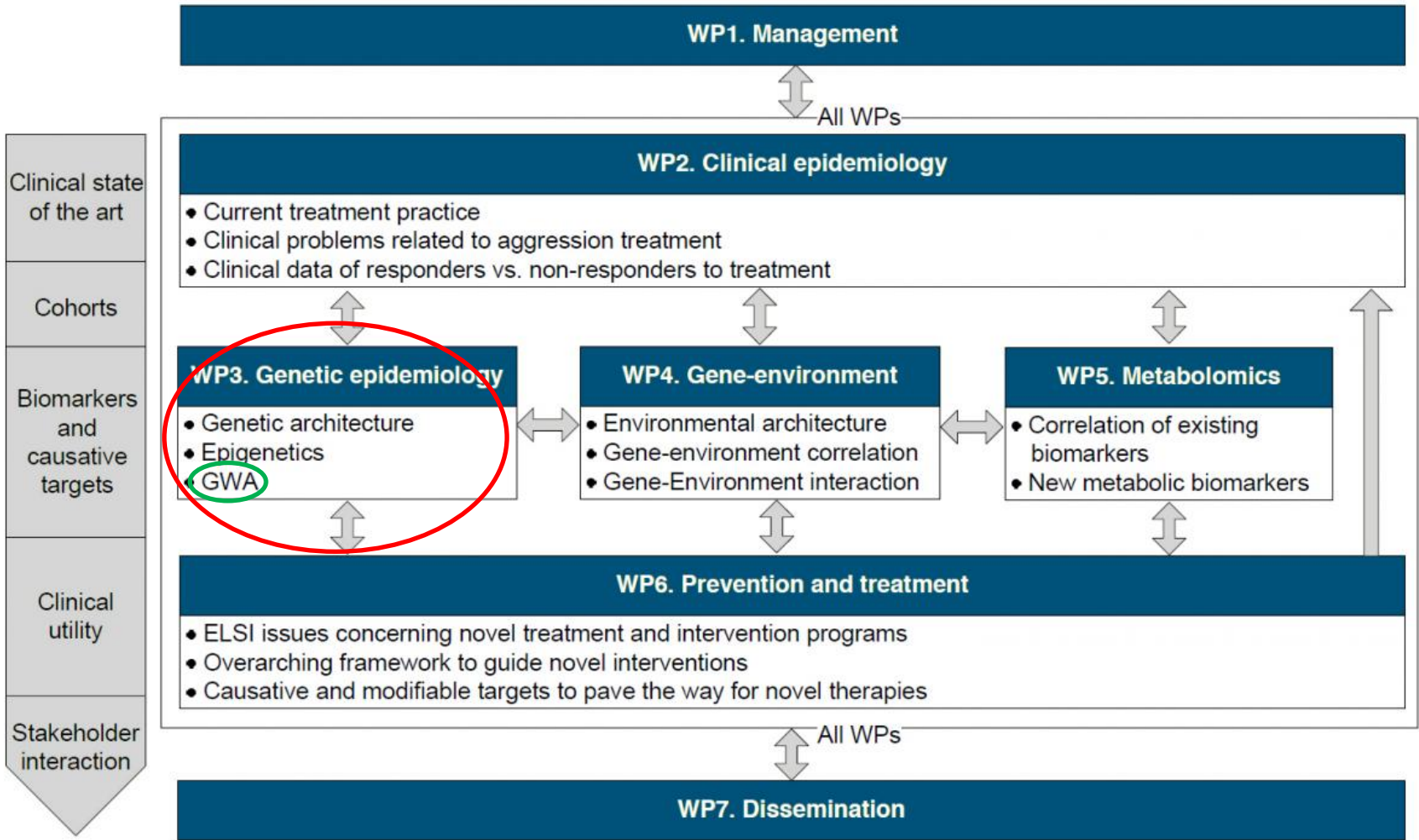
ACTION



- **Aggression in Children: unraveling gene-environment interplay to inform Treatment and InterventiON strategies**
- **Aim: Improve the understanding of the causes of individual differences in aggression among children in order to better inform the development of prevention and treatment strategies.**



My place?





Lots Of Data

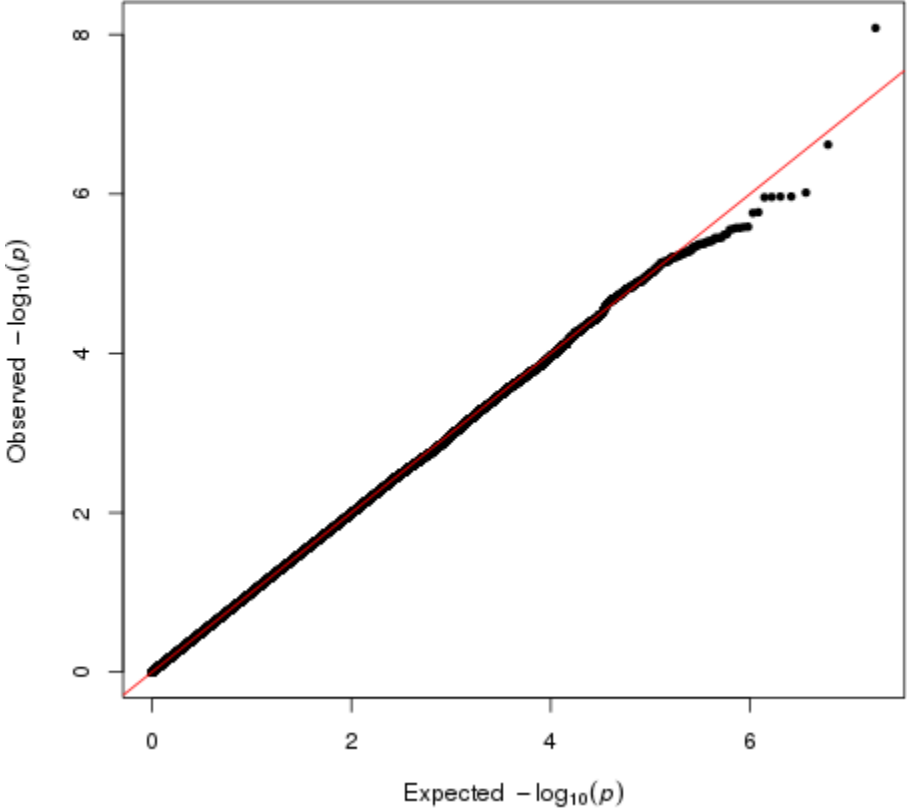


- **Rater: mother, father, teacher and/or self**
- **Multiple age groups**
- **Various instruments**

- **NTR: 28 combinations**
- **My task: GWAS for every combination**
 - So far: 1 GWA on mother-rated 10yo's

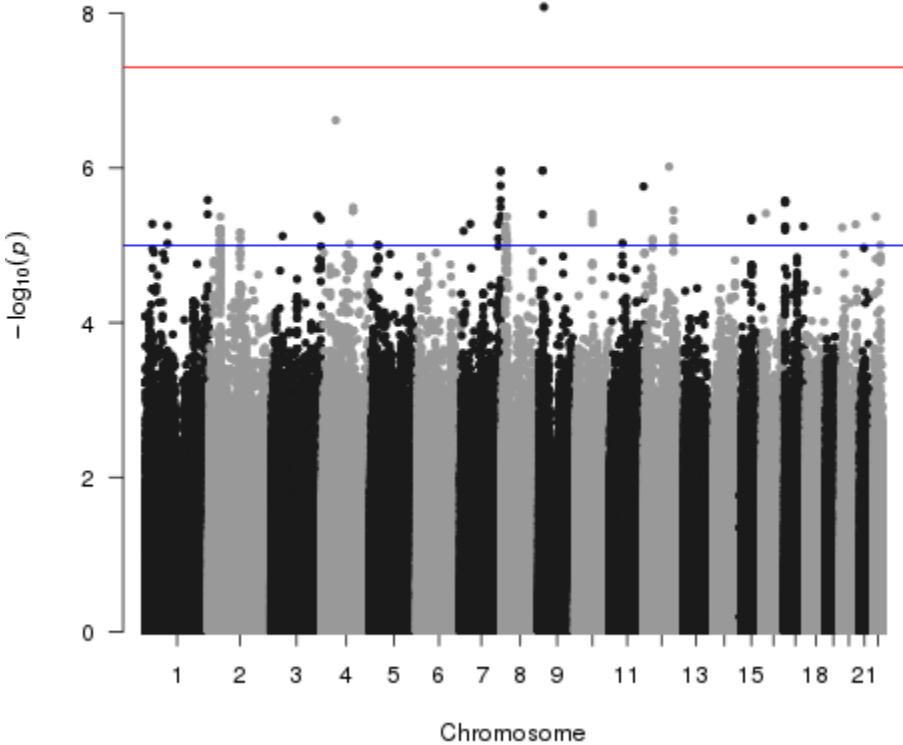


Results





Results





Future



- **Run remaining GWA in NTR**
- **Collect results from partners**
- **Multivariate meta-regression**

- **Find combination of age, rater and instrument that gives best prediction of:**
 - Future outcome
 - Other traits/disorders



Thank you for your attention
