- Trudy fands eridence of epistasres at RNA tevel - Why is epristares betwern transeripts so much Strengur than SMP-SNP epistore in Drosophila?
- hupothers: corvelaton between trakeevpts may be strong enough to go aeross tiesves.
- Dors data eyist in humans to test the se idms?

$$
\text { - SMPs + RNA } \rightarrow \text { trait }
$$

- It is the genetor vauration that errates ther RNA-Tvait relationships
- Need to connect SMP-SNP intrraction metworks with RMA-RNA networks
- How to brimg in family info?
- Hou do allele freqs from saupte to sample or pop. topop influenceresolts?
- We weed to change our appraach from replization to predirtion. (Tru'y)
- Multiple traits can be leveraged.

Day 1 -Afternoon + Day 2

- Deliverable ideas brio?? $\rightarrow$ high impact 2 eris PNAS (TM)? en y th rem

1) joint paper hins? head read
2) joint ILES -AS H6 ed.sesion for Baltimore 2015
3) Reference data for methods
4) Power not just $n$ ? paper?
5) Review of classic quant qenetres
6) Paper on 'How many ques' -is gene wen the right level or unit of inference.

Jason's thoughts

- Get away from pairwise G network analysis G Gene action
Modeling strategies
$G$ lots of methods - pick a few
- Run away from p-values
- LD more to be done
- Replication <what level is replication $\rightarrow$ Replication different pieces of evidence
$\rightarrow$ Biological validation IcE IS Where we neeatogo

$$
\left.\begin{array}{l}
2\left(r_{M Z}-r_{D Z}\right) \\
V_{A}+V_{D}+V_{A A}+V_{A A}+V_{D D}+V_{E C} \\
\frac{1}{2} V_{A}+\frac{1}{4} V_{D}+\frac{1}{A} V_{A A} \ldots . .
\end{array}+V_{E C}\right\}
$$

