

Misleading Bioinformatics

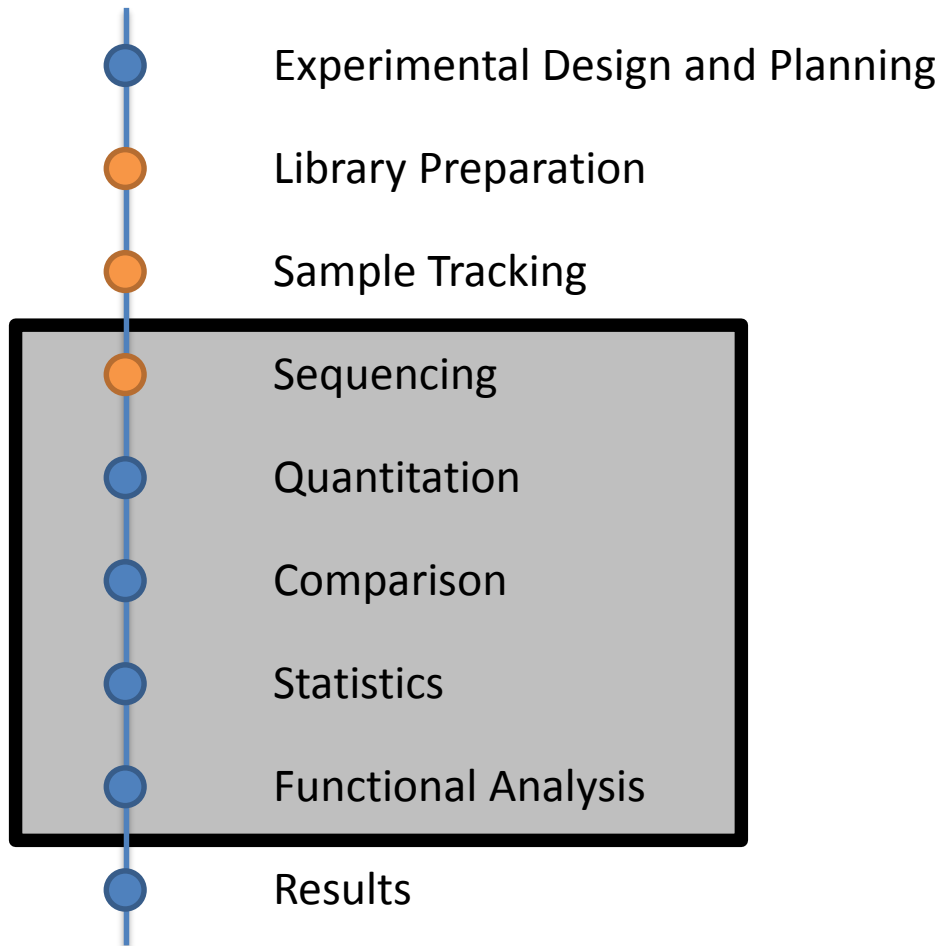
Mistakes, Biases, Mis-Interpretations and how to avoid them

Festival of Genomics 2017



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- **Validate**
 - Check your samples, effects and expectations
- **Explore**
 - Understand your data before starting any analysis
- **Normalise**
 - If problems or biases exist, fix or remove them
- **Analyse**
 - Only analyse once you have a specific question to answer
- **Backtrack**
 - Don't trust your hits – work back through the pipeline
- **Question**
 - Am I making the correct interpretation of my hits