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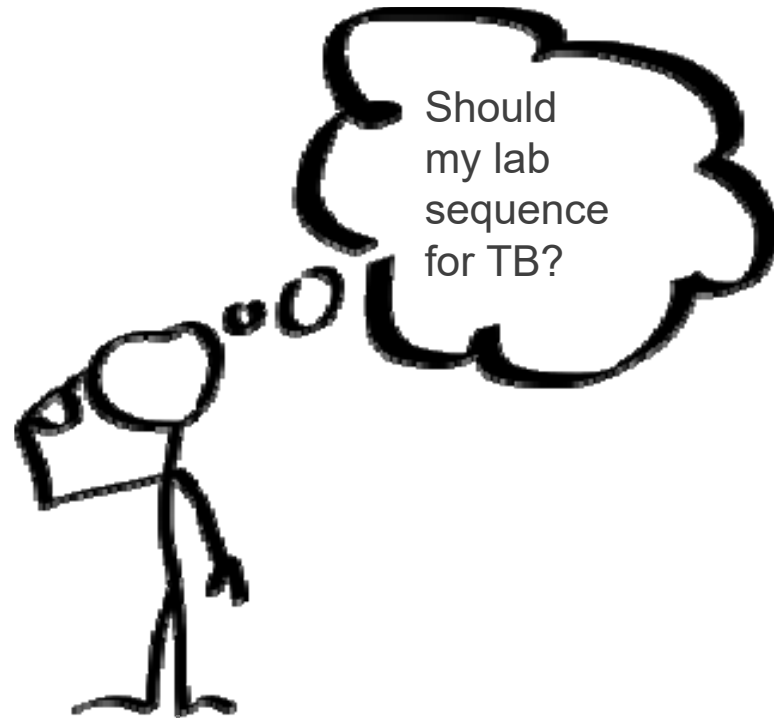
Considerations for the Use of Next Generation Sequencing in the TB Laboratory: Part 2

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To Sequence or Not to Sequence?

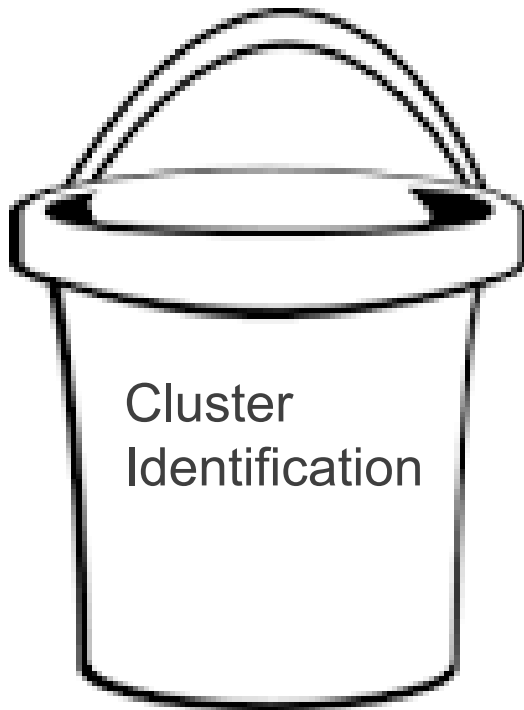


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Why sequence for TB?

What questions can a TB sequence answer?



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Why you may (or may not) sequence for cluster identification?

Things to Consider:

- Disease burden?
- Sequencing capacity?
- Ability to run with other pathogens?
- Faster turnaround time?
- Can we analyze the data?
- Do we have staff that can interpret the data?
- Cost



Why you may (or may not) sequence for the detection of drug resistance mechanisms?

Things to Consider:

- Disease burden?
- Sequencing capacity?
- Ability to run with other pathogens?
- Faster turnaround time?
- Can we analyze the data?
- Do we have staff that can interpret the data?
- Cost
- Do we get better/ more information?
- Validation



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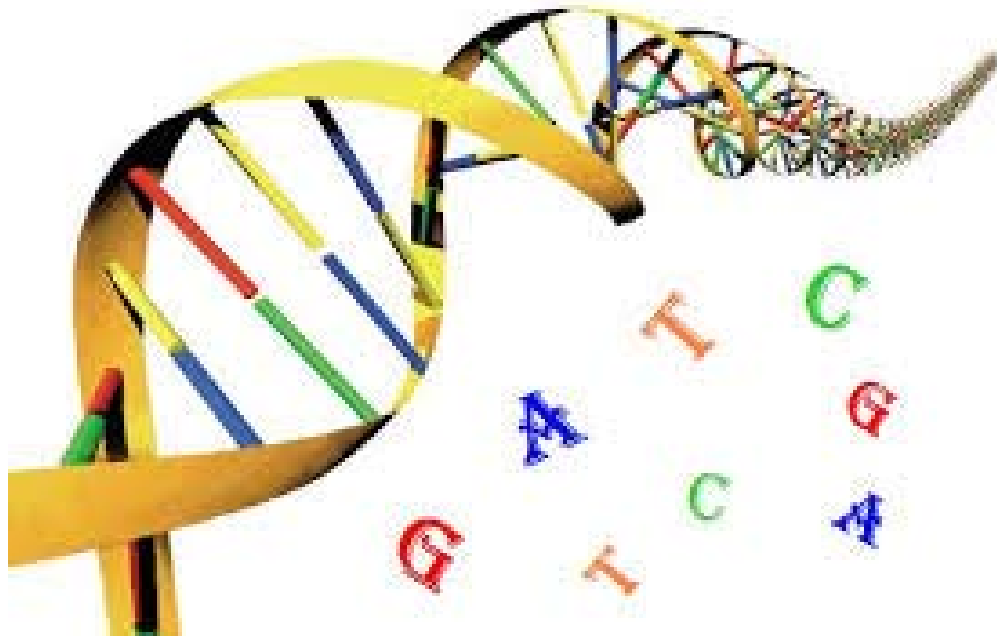
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More Considerations...

- National Approach/ Regional Labs
- Are there benefits to sequencing prospectively versus retrospectively?
- Does that answer change if you're sequencing to identify drug resistance mechanisms?
- What best serves the patient population?



Learn How to Understand and Interpret the Data



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Thank You!