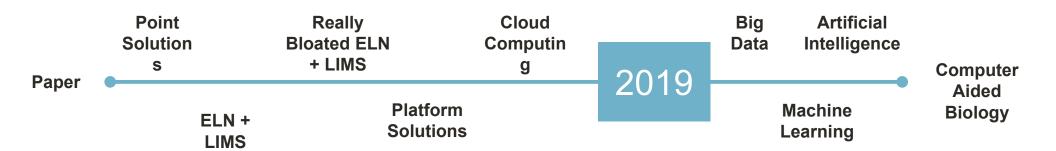


## ANTHA: A LABORATORY OPERATING SYSTEM FOR THE DIGITAL LAB OF THE

FUTURE
Strategies for modernizing laboratory
environments

Tiffany Montgomery
Director, Life Sciences Solutions
t.montgomery@synthace.com

### THE DIGITAL LAB: A HISTORY



How do we overcome barriers to achieving true computer aided biology?



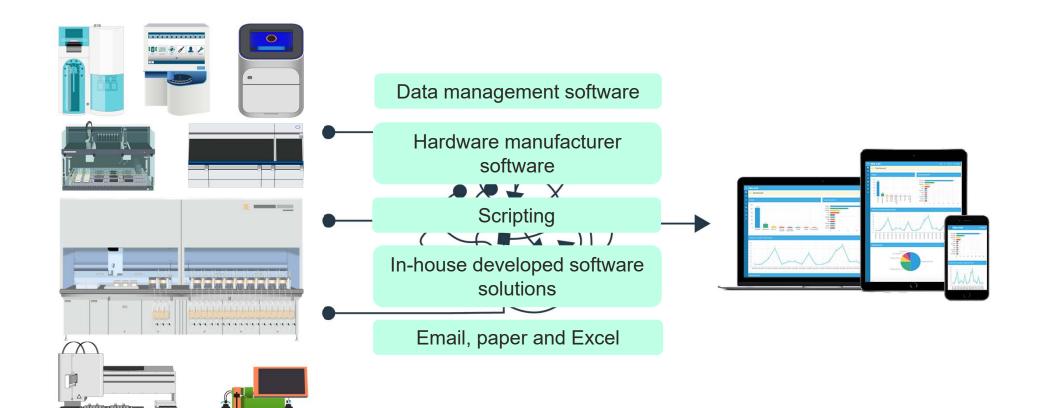


The first thing we've learned is the importance of having outstanding data to actually base your ML on... ... people underestimate how little clean data there is out there, and how hard it is to clean and link the data.

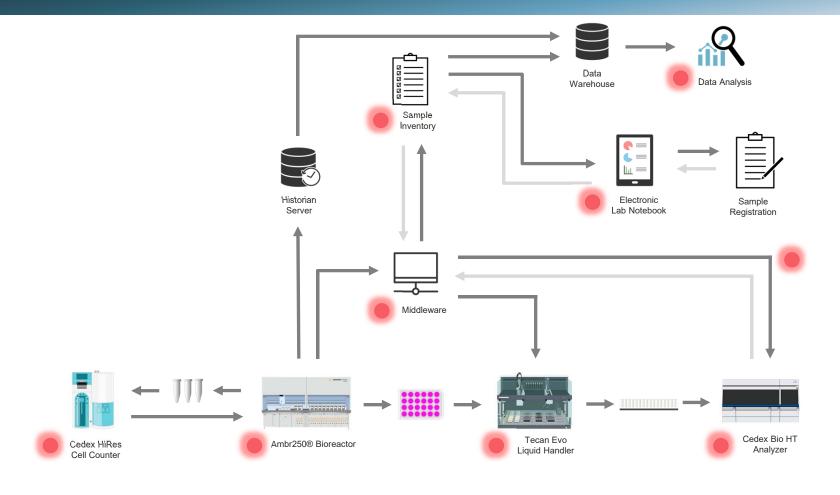
Vas Narasimhan, CEO of Novartis AG



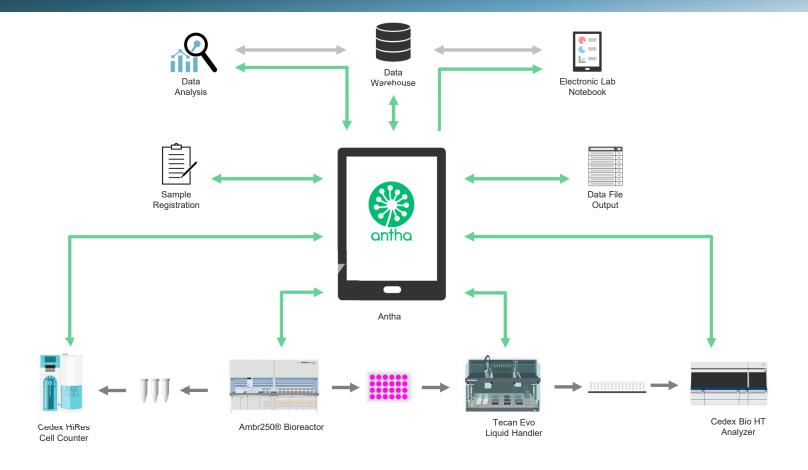
### SOLVING THE PROBLEM AT THE SOURCE



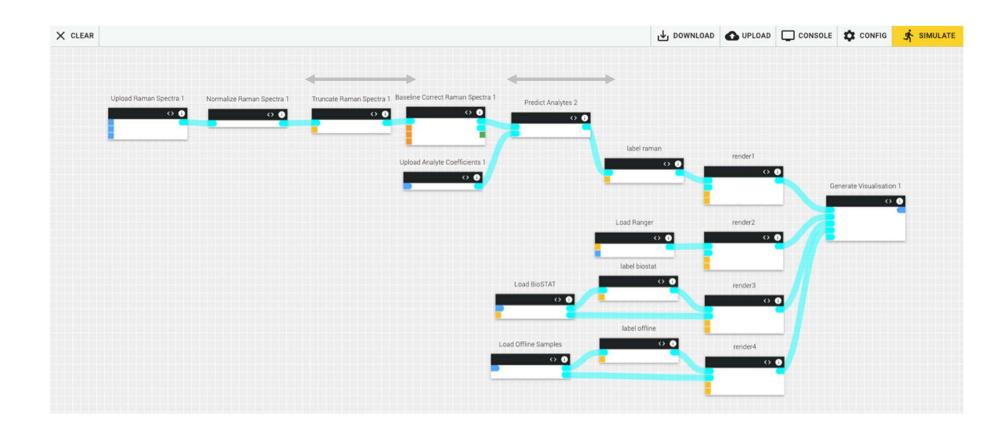
### UPSTREAM PROCESS DEVELOPMENT



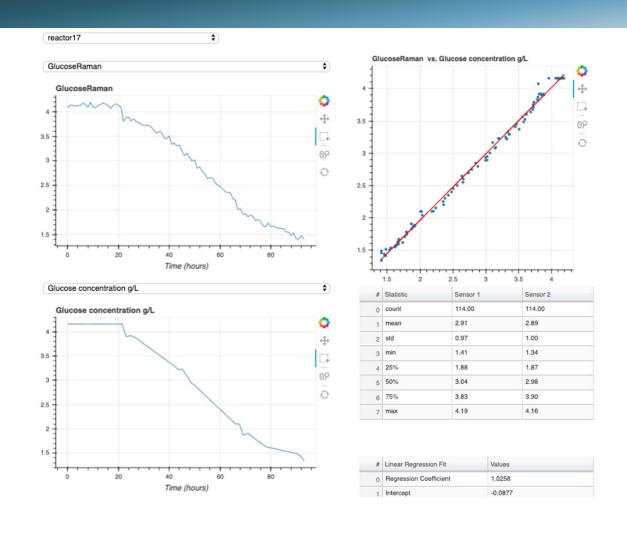
### **UPSTREAM PROCESSING SOLVED**



### CASE STUDY: IN LINE RAMAN



### CASE STUDY: IN LINE RAMAN



### But it's not enough.

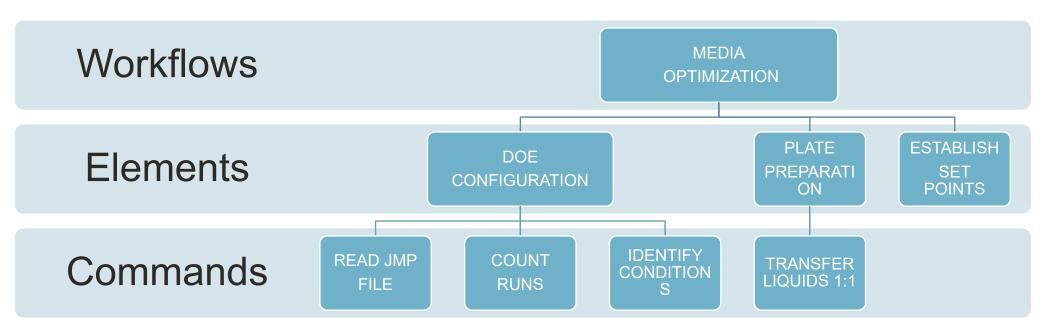
### ANTHA: A LABORATORY OPERATING SYSTEM



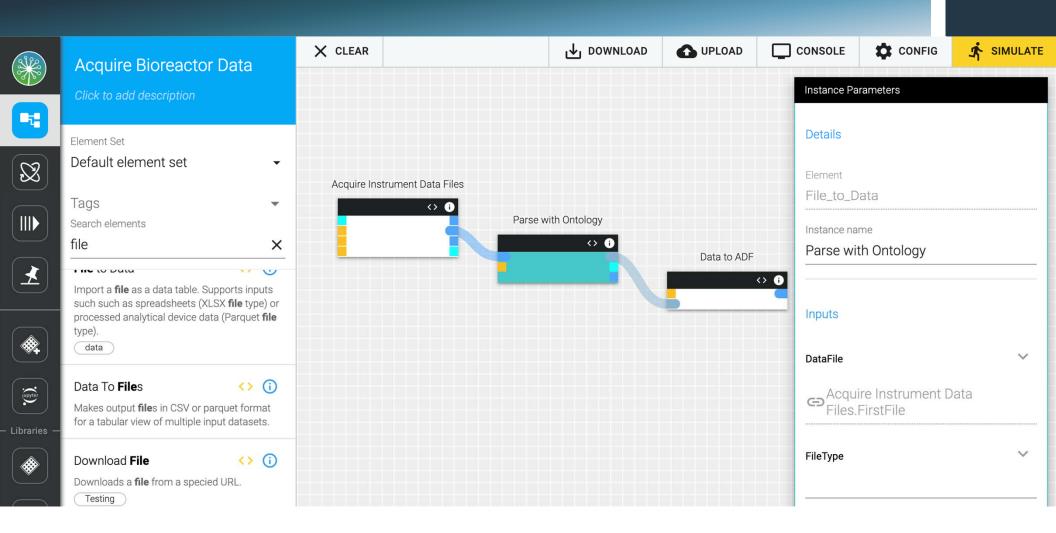




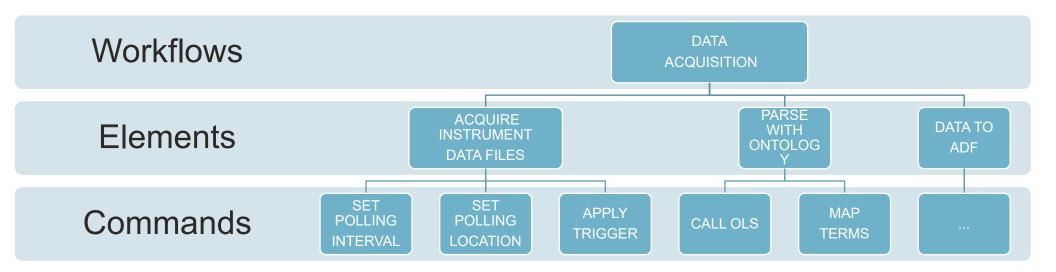
### ALLOTROPE IN ANTHA



### ALLOTROPE IN ANTHA



### ALLOTROPE IN ANTHA



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