Cofactor Genomics Costantial Control Control

Leaders in RNA Research and Biotechnology

Presenter:

B. Jackson

Biotechnology Program

MET Center

March 2019

MY BACKGROUND:

1. MET CENTER

*Biotechnology Certificate

2. COLUMBIA COLLEGE

*Management Information System

3. HOSPITALITY INDUSTRY

- * Bartender
- * Management
- *Corporate Trainer



How did it all start?

History of Cofactor Genomics



Founder and CEO Jarret Glasscock, PHD.

Background

- **❖**Founded in August 2008
- Raised money through angel investors in California
 - ❖Bought "Next Gen" genome analyzer
- Founded by three former Scientist
 - money from Y Combinator in 2015
 - Genome Center at Washington University Scientist
 - ❖Jarret Glasscock
 - Matt Hickenbothman
 - ❖Ryan Richt

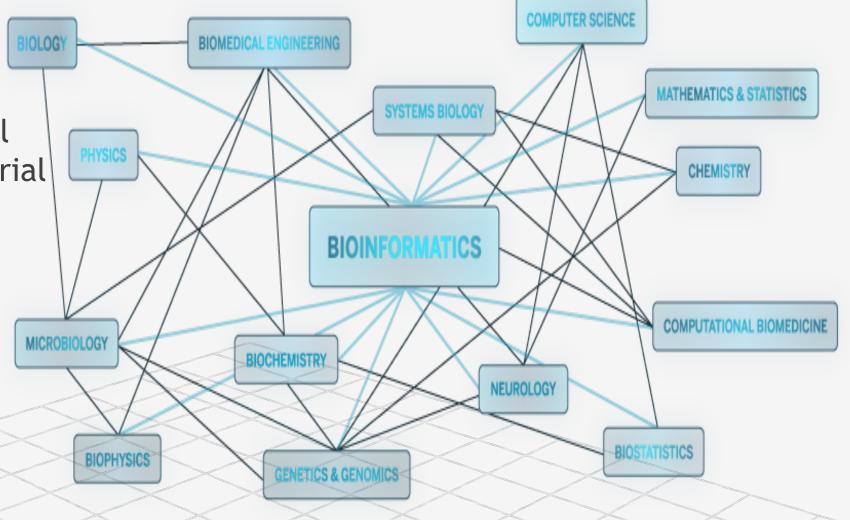
Industry!

Biotechnology

the use of biological processes for industrial and other purposes.

Bioinformatics

*the science of collecting and analyzing complex biological data.



Products in Demand

What are the products and who is buying them?



Product: White Rhino Preservation Research

Customer: Ol Pejeta
Conservancy and San
Diego Zoo



Product: Black Footed 3
Ferret Preservation
Research

Customer: Defenders of Wildlife



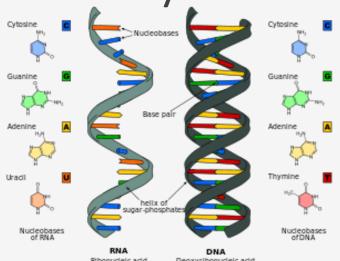
Product: DNA analysis

Customer: Ozzy
Osbourne

Three-year Profit

■ Stimated Revenue:

Average of \$2 million per year over 3 years

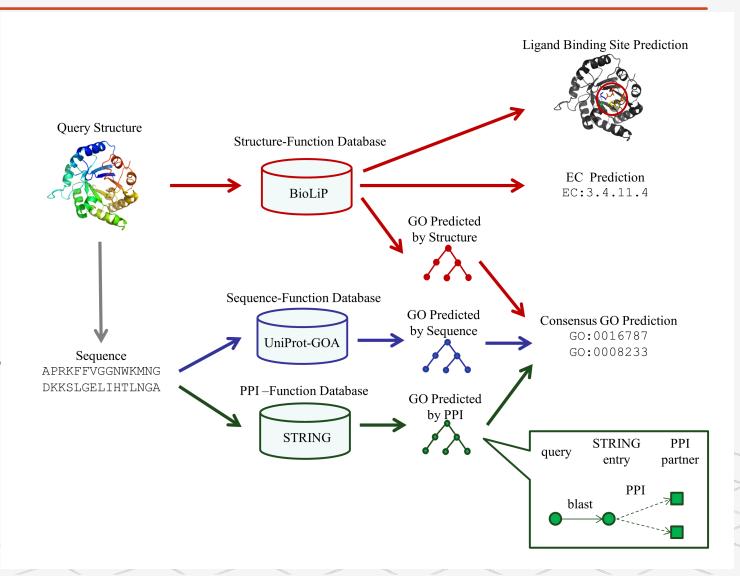




What Does the Future Have in Store for Cofactor?

The future of RNA research:

- 1 Development of RNA tools and systems that can analyze actions of RNA in disease processes
- Company expansion across the Midwest region mentor start up companies in the biogenetic industry, especially in the Missouri region.



Top Three Products: Human genome Projects

- Human genome Projects:
- 1 ImunoPrism Kit
- 2 ImmunoPrism Kit 8 reaction
- 3 ImmunoPrism Assay CAP
 - **Cofactor top product sales come from:**
 - purchasing prepared research kits
 - * analysis information
 - Tools (Cofactor makes)
 - Cofactor Genomics develops circular RNA enrichment kits that enable early detection and diagnosis of diseases.

Companies don't have technology to perform certain scientific processes.



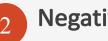
Positive and Negative Aspects of Cofactor

- 1 Positive Aspects:
 - ❖ Identify genetic mutations
 - ❖ Disease RNA drug research
 - ❖ Able to use human RNA
 - RNA changes and DNA remains the same throughout life
 - Pre-packaged kits makes scientist jobs easier.
 - ❖RNA research Increases work flow

Adding Medical Value through Sequencing-Based Diagnostics

- Sequencing based diagnostics can provide medical value in 4 main categories
 - Identify potential therapeutic targets
 - · BRAF V600E in melanoma
 - · EGFR mutations in lung cancer
 - · Risk stratification
 - · Expression classifiers in breast cancer
 - Gene mutations in AML/MDS
 - Confirm a diagnosis
 - BRAF V600E in hairy cell leukemia
 - MYD88 in Waldenstrom macroglobulinemia
 - · Decrease costs or speed workflow
 - Exome sequencing for children with developmental delay
 - NGS useful for biopsies with limited tissue

1/25/17



Negative Aspects:

- *Research takes a lot of time
- RNA is treated differently
- Not as much research available for RNA as DNA



Cofactor Ideas and Developments



References

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