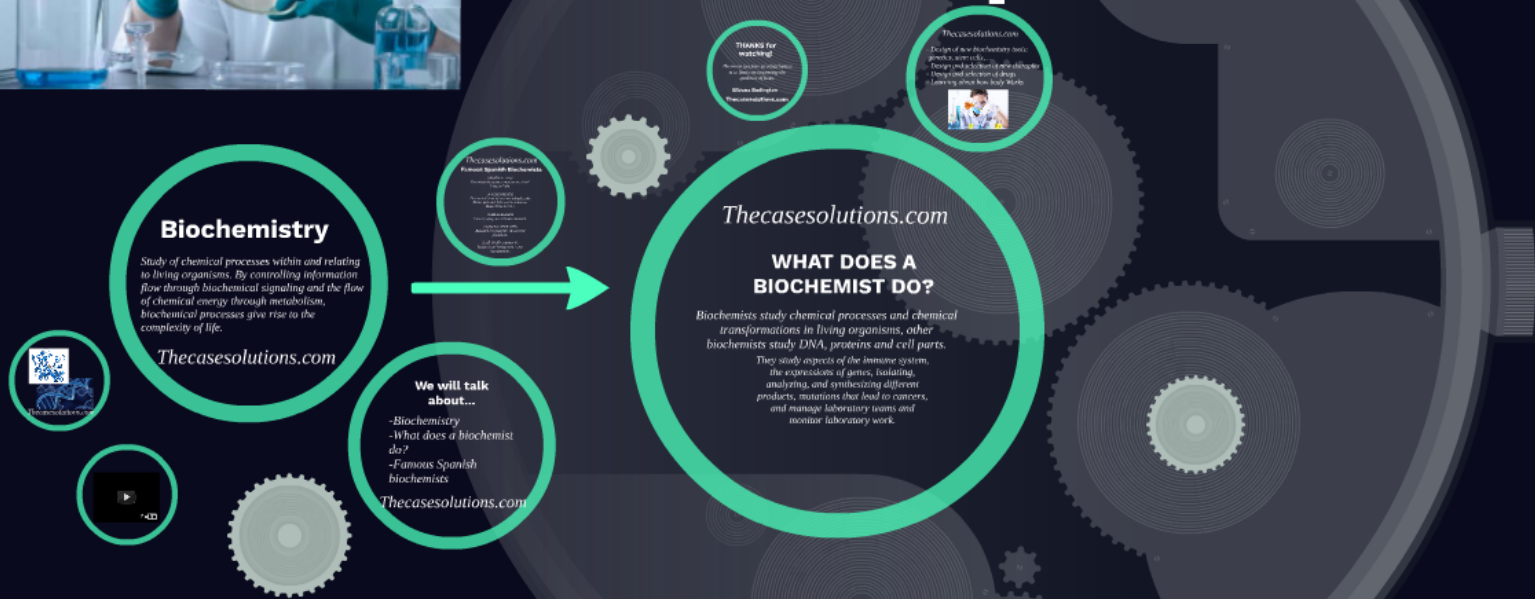


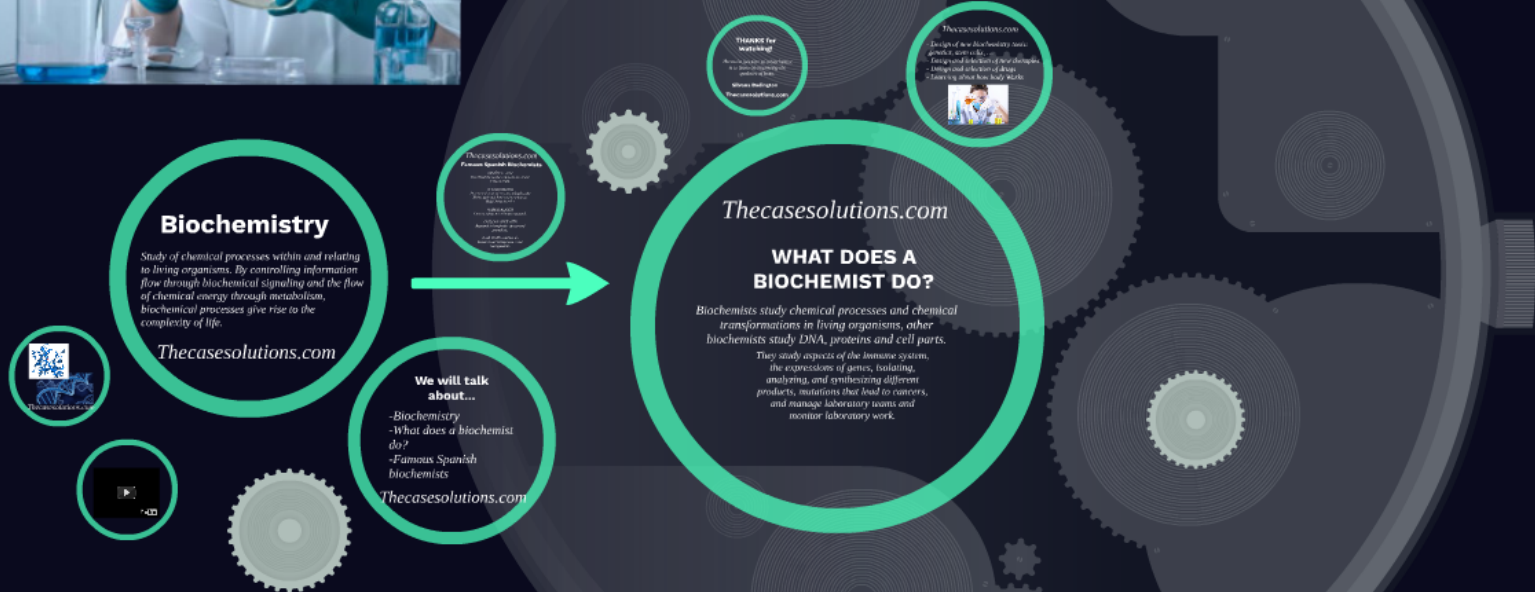


# Lesotho Hospital and Filter Clinics: A Public-Private Partnership



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**We will talk  
about...**

- Biochemistry*
- What does a biochemist do?*
- Famous Spanish biochemists*

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# Biochemistry

*Study of chemical processes within and relating to living organisms. By controlling information flow through biochemical signaling and the flow of chemical energy through metabolism, biochemical processes give rise to the complexity of life.*

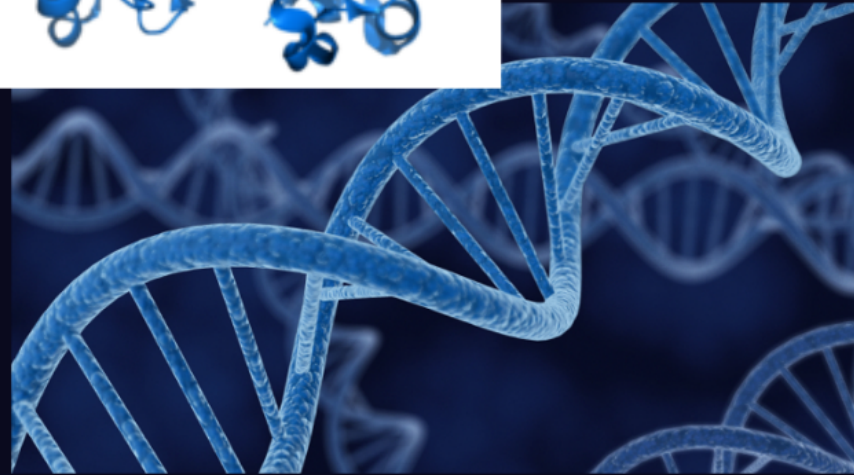
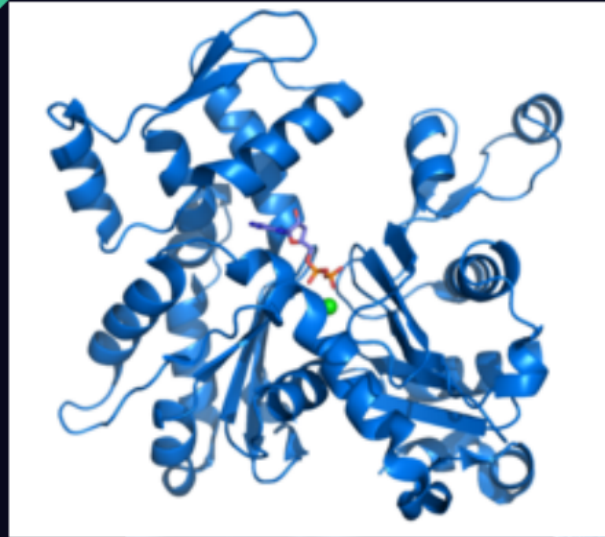
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## **WHAT DOES A BIOCHEMIST DO?**

*Biochemists study chemical processes and chemical transformations in living organisms, other biochemists study DNA, proteins and cell parts.*

*They study aspects of the immune system, the expressions of genes, isolating, analyzing, and synthesizing different products, mutations that lead to cancers, and manage laboratory teams and monitor laboratory work.*

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- *Design of new biochemistry tools: genetics, stem cells, ...*
- *Design and selection of new therapies*
- *Design and selection of drugs*
- *Learning about how body Works*



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## **Famous Spanish Biochemists**

*RAMÓN Y CAJAL*

*Described the neuron connections. Nobel Prize in 1906.*

*SEVERO OCHOA*

*Discovered a set of enzymes related to the Krebs cycle and fatty acid metabolism. Nobel Prize in 1954.*

*MARÍAS BLASCO*

*Cancer, aging and telomere research.*

*CARLOS LÓPEZ OTÍN*

*Research in lymphatic cáncer and proteolysis.*

*JOSÉ MARÍA ORDOVÁS*

*Research on Nutrigenomics and Nutrigenetics.*



**THANKS for  
watching!**

*The main function of a biochemist  
is to focus on improving the  
qualities of lives.*

**Silvana Bodington**

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