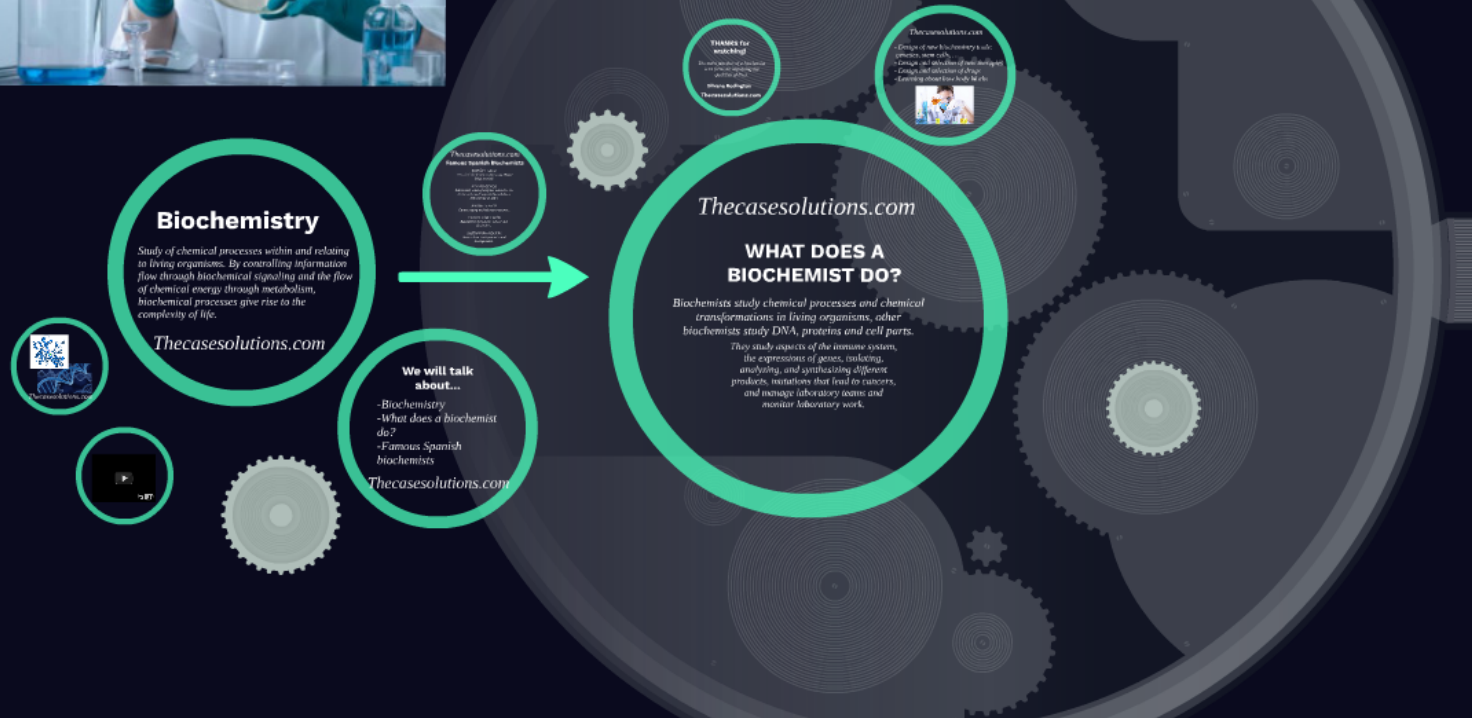


Lowell General Physician Hospital Organization



Thecasesolutions.com

A scientist wearing a white lab coat, a blue surgical mask, and blue gloves is working in a laboratory. They are using a green and white pipette to transfer a liquid into a petri dish. In the background, there is a microscope and other laboratory equipment.



om

**We will talk
about...**

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

Thecasesolutions.com

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.

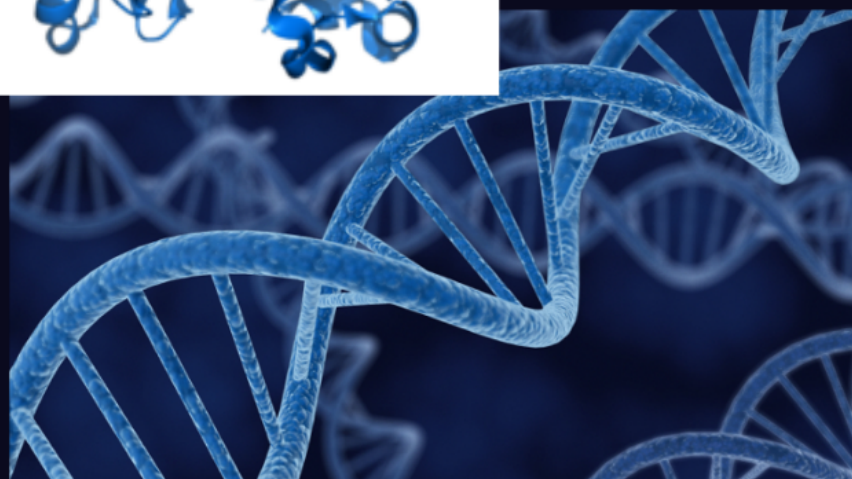
Thecasesolutions.com



olutions.com

We v
ak

-Biochemi



Thecasesolutions.com



Thecasesolutions.com

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.

Thecasesolutions.com

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



Thecasesolutions.com
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

Thecasesolutions.com