

Student Document

Dr. Sachiko Sato Interview Questions

Introduction

Most research conducted today is in English – it is the language spoken in many labs around the world, and it is the language most commonly used for scientific publications. In this activity you will learn more about glycomics, a relatively new field of research that investigates the roles that carbohydrate molecules play in the body and their role in diseases. You will also meet Dr. Sachiko Sato, a glycomics researcher, and learn about the years of preparation and work that she has devoted to understanding and treating infectious diseases.

Watch the interview here: <https://youtu.be/cdLn3ab0kPs>

Section 1: What is your personal, academic, and professional background?

1- Where does Dr. Sachiko Sato work?

2- Describe her position.

3- What degrees did she obtain?

4- What did Dr. Sato do after obtaining her Ph.D?

Section 2: What are your current research projects?

5- Which biopolymer, in which Dr. Sato is interested, plays a role in the regulation of the immune system in infectious diseases?

6- What are the two infectious diseases on which Dr. Sato works currently?

7- Describe briefly the two current projects that Dr. Sato is working on.

Section 3: Among your achievements, which one makes you particularly proud?

8- Explain one of the two achievements described by Dr. Sato.

Section 4: Why are you interested in the use of glycans in infectious disease?

9- Are glycans found in the human body much different than those found in microorganisms?

10- What is the role of glycans in regard to infectious diseases?

Section 5: What would you recommend to a student interested to work in your field of research?

11- Are the roles of glycans and their interactions with proteins well studied?

12- Which recent developments are very promising in the field of glycobiology?
