JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

DEPARTMENT OF BIOTECHNOLOGY AND BIOINFORMATICS

SYNAPSE CLUB PRESENTS

BioNera

An event to learn from the best and quiz to your heart's content.

Saturday, May 15 2021

ALUMNI INTERACTION SESSION @3PM

Garima Suneja, PhD
Scientist - Research Insights,
21st Century Health Analytics

BIOLOGY QUIZ @3:45 PM

Pride yourself on knowing biology? Here is the chance to test your knowledge!

WE'LL SEE YOU THERE!

Link: https://meet.google.com/lookup/cabd5lbihz
Register: https://forms.gle/2h2B6JnjY2m4FDgh8

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, SOLAN
DEPARTMENT OF BIOTECHNOLOGY & BIOINFORMATICS

15th May,2021   3P.M.

ALUMNI INTERACTION - 3 P.M.
Dr. Garima Suneja

The Synapse Club of Department of Biotechnology and Bio-informatics, JUIT, organized an alumni interaction with Dr.Garima Suneja. She is an alumnus from batch 2008-2012 graduating B.Tech in Biotechnology.

Our H.O.D. Dr. Sudhir Syal and the club in-charges Dr.Hemant Sood and Dr.Tirth Raj Singh welcomed Dr.Garima, with their warm words.

The session benefited the students knowing about different topics like PhD, jobs aspects, importance of masters. Speaker also interacted with the student addressing their questions.

➢ **QUESTION ANSWER SESSION -**

1.   Could you briefly describe your journey so far?
I did my B.Tech from JUIT in 2008-12, then I move forward to PhD from IGIB, in Environment Meta-genomics. Currently I am a research scientist at 21st Century Health Analytics.

2.   How was your experience in JUIT? How did your time at JUIT help you in your PhD?
The most I liked was the environment of the JUIT and since I'm obsessed with the reading library was the best place for me. Since I am a very knowledge seeker person, teachers used the patiently answer me all the time.

3.   Any advice for anyone thinking about a PhD at a central institute ?
I have three things to share in particular -
1. Prepare for the entrance exams to get the institute of your choice.
2. Find your interest, which field actually grabs your attention or which area you want to explore more.
3. Prepare for the interview and learn about the guide's profile and choose your PhD guide accordingly.

4.   What was the field of your PhD research work? What compelled you to take the field ?
I have done my PhD in Environment Meta-genomics. From my higher secondary education I was keen to learn more about the microorganism, this was the major driving force which compelled me to choose this subject. I was very much fascinated by the microbes and wanted to learn more and more about them. In my B.Tech I used to read lots of books and research papers about them. The main goal of my PhD was to gain more knowledge, which I accomplished.

5.   What does a day at your current job look like? Could you briefly describe the work ?
The outline of our company's work is that we collect the poop of people suffering from the Gastrointestinal diseases. The parameters which we check are - pH level, cholesterol level, blood profiling etc.
Here my work was that we have made a model that isolate the microbes from gut micro-biome and analysis all the parameters and tell the people about the health risks associated with them.

6.   What is the current job scenario (after undergraduate, masters or PhD)? Any companies that you know hire graduates and postgraduates in life sciences ?
Because of the current scenario COVID-19, many job opportunities have been opened up. People have learned more about the Biotechnology and Bio-informatics. Specially the sectors like vaccine manufacturing and pharmaceutical development are more expanded and more opportunities are created.

> **QUESTIONS FROM AUDIENCES -**

1. How is Biotechnology and Bio-informatics goes hand in hand ?
Like if I talk about the work we do here, firstly we predict the things through Bio-informatics and then confirm our prediction through the wet lab work (Biotechnology). I feel during the course of biotechnology students should get a chance to learn at least one or two languages and they must understand how they can incorporate it with Biotechnology.

2. Which is the better option- to do PhD after M.Tech or to do PhD after B.Tech ?
When we go for M.Tech we study a little deeper in the subject. PhD after B.Tech creates a literature gap, lots of topics are sometimes left uncovered. So, I suggest its better to do PhD after the M.Tech.

3. What samples do you often received either from normal person or diseased person ?
We have samples from both the types. As people have now moved from simple diagnosis to DNA profiling, gut micro-biome analysis etc., so nowadays we also receive sample from normal people.
In fact here, a part of health insurance provide you a certain amount of these diagnosis, and also people are testing themselves out of their curiosity.

> **RAPID FIRE QUESTIONS -**

- Morning Person or Night Owl - Morning person.
- A gift you want for your birthday this year! - To roam without mask anywhere.
- A quote you live by - Never lose hope.
- One word to describe the pandemic - Depressing.
- Any lab experiments you didn't like doing - None.
- Python or R or some other language? - R language.
- Errors in your R scripts that you hate - The updates that frequently occur in language.

BIOLOGY QUIZ - 3:45 P.M.

A Biology Quiz was organized for the students aiming to boost them and have a little fun time during the pandemic course. Dr. Garima Suneja also stayed during the quiz reminiscing her college days.

➢ **The BIOLOGY QUIZ was held between the six teams -**
1. The Alpha Clone (Drishti Awasthi, Vinamrata Sharma,Ishita Satija)
2. The Biowizards (Bhavini Sharma, Vipasha Sher, Deevyani Kaplas)
3. The Mighty Chondrias (Kriti Ahuja,Kiara Tickoo,Yavan)
4. Inferno (Samya Khanna, Chaitanya Moghe, Ramneek Khurana)
5. AspYR (Ashish Guleria,Yash Sharma, Divyansh Bhadiar)
6. Alpha (Aanchal Bansal,Leeza Sharma,Chinmayee)

➢ **There were three rounds in the quiz-**
Round 1 - Standard MCQ was conducted by Somya Jain
Round 2 - Pictionary was conducted by Simran
Round 3 - Rapid fire was conducted by Dron Saklni

➢ **Rules for the rounds were as follow -**
Round 1 & 2
● Marking:
○ Right Answer: 10 points
○ Wrong: -5 points
○ Passed Question: +5 points
● Time for answering: 30 seconds
● The first answer is going to be considered, anything after that will not be considered for marking.
● Two questions per team
● If somebody from the audience answers, or other people answer, the question will be cancelled. If somebody from the other team answers, they will be awarded -1 points.

Round 3
● Rapid Fire
● Marking: 10 points for every correct answer.
● 40 seconds per team
● Decide on one person for giving answers.

➢ **Results -**
Round 1 - Standard MCQ
AspYR scored the highest 30points.
One team was eliminated, Inferno.

Round 2 - Pictionary
The Alpha Clones scored the highest, 35points.
Two teams were eliminated, The Mighty Chondria and Alpha.

Round 3 - Rapid Fire
The AspYR scored the highest, 40points.

The winner of the Biology quiz was the AspYR with 99points and The Alpha Clones secured the second position 94points.

All the participants were awarded with the participation certificate and the winners were felicitated with the mementos.

➢ **Overall Scores-**

TEAM NAME	MEMBERS	ROLL NO.	Round 1	Round 1	Round 3	TOTAL SCORE	
The Alpha Clones	Drishti Awasthi	201817	29	35	30	94	Second position
	Vinamrata Sharma	201904					
	Ishita Sharma	201813					
The Biowizards	Bhavini Sharma	201808	20	25	20	65	Third position
	Vipasha Sher	201807					
	Deevyani Kaplas	201804					
The Mighty Chondrias	Kriti Ahuja	181812	20	20	-	Eliminated after round 2	
	Kiara Tickoo	181817					
	Yavan	181830					
Inferno	Samya Khanna	181804	0	-	-	Eliminated after round 1	
	Chaitanya Moghe	181819					
	Ramneek Khurana	181821					
AspYR	Ashish Guleria	207816	30	29	40	99	First position
	Yash Sharma	207802					
	Divyansh Bhadiar	207818					
Alpha	Aanchal Bansal	197806	15	20	-	Eliminated after round 2	
	Leeza Sharma	197805					
	Chinmayee	197808					

SNAPS FROM EVENT-