

2019-2020

**Guest lecture
12th December, 2019**

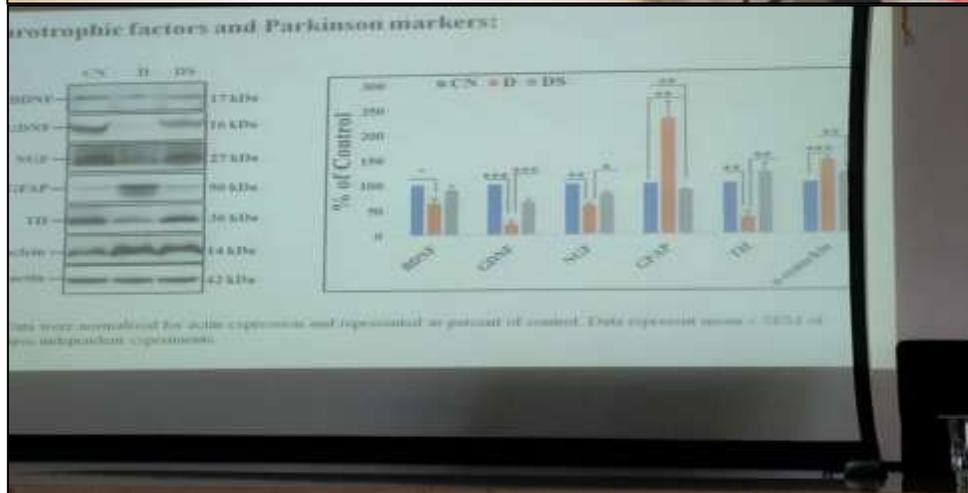
The Department of Biochemistry has organized a guest lecture on 12-12-2019 under DBT-Star college scheme for undergraduate students of Biochemistry. The lecture was delivered by Dr. Sourav Kanti Mukopadhyay, Scientist, Analytical Sciences Dept, Aurobindo Pharma Ltd, Biologics Division, Hyderabad. He spoke on “Good Lab Practices (GLP) and Method Development”. He gave insights that made the students aware of why GLPs were created and the implications of following poor lab practices. They were also explained about the good documentation processes, calibration of instruments, ALCOA (attributable, legible, contemporaneous and accurate). The guest lecture was beneficial to the M.Sc biochemistry students also as they interacted with the speaker and gained information about the GLPs followed in industries.



Guest lecture

12th July, 2019

The Department of Biochemistry has organized a guest lecture under DBT-STAR COLLEGE SCHEME for undergraduate students of Biochemistry. The lecture was delivered by Dr. Sudhakar Reddy.V Scientist-B, Biochemistry Division, NIN, Tarnaka, Hyderabad, on 12th July, 2019. The title of the talk was “Protective effects of Vitamin B12 in diabetes”. He explained about the different types of diabetes and the microvascular and macrovascular complications involved. Students were also made aware about the hyperglycemia induced neurodegeneration and the role of vitamin B12 under such conditions.





2018-2019

Guest Lecture

16th February, 2019

A guest lecture was organized by the department of Biochemistry on 16-2-2019 by Dr. Gireesha.Mohannath, Assistant Professor, Dept of Biological Sciences, BITS Pilani, Hyderabad. He delivered his talk on “**Revisiting the Central Dogma from epigenetic perspective.**” He spoke about how stress affects the gene expression in humans and animals and how that in turn leads to a shortened telomere length. He also spoke about how DNA is now not considered as the master of central dogma as thought for several decades and it is the RNA which rewrites the Central Dogma. Students interacted with the speaker and cleared their doubts.



Guest Lecture

28th January, 2019

The department of Biochemistry organized a guest lecture by Dr.Lakshman Varanasi on 28th January, 2019. Dr.Lakshman is an alumni student who passed out from the first batch of MBiC (2002). He has a vast research experience abroad and is currently working as Chief Adviser, Biomedicine, Srikaalika Technologies Pvt. Ltd. He spoke on Mass spectrometry comes of age: Measuring protein analyte levels in biological samples. He explained about the preparation of serum for analysis of proteins and glycoproteins by mass spectrometry. He also gave an insight into the protocols of Filter-aided sample preparation (FASP) and Solid-phase extraction of glycoproteins (SPEG).The students interacted with the speaker and found thelecture to be very informative.



Guest lecture

28th August, 2018

The Department of Biochemistry had organised a guest lecture by Dr. Amitava Das, Senior scientist, CSIR-IICT, Tarnaka, Hyderabad, on 28th August, 2018. The title of the talk was “stem cell gene therapy for tissue regeneration”. Dr. Das explained the methods to grow stem cells in the laboratory for tissue regeneration. He emphasized the advantages of adult stem cells over embryonic stem cells and induced pluripotent stem cells. He also explained in detail the experimental strategies employed to use the stem cells in diabetic wound healing in mouse models. Further, Dr. Das discussed the need for translational research that would be useful in treating conditions like diabetic foot through tissue engineering. This involves the immobilisation of stem cells onto a biocompatible scaffold which can be used for therapeutic purpose in wound healing. The lecture was well received by the students and they interacted with him to clear their doubts.





Guest lecture

19th December, 2017

A guest lecture was organized by the Department of Biochemistry on 19-12-2017 by Dr.Sumana Chakravarty, Principal Scientist, CSIR-Indian Institute of Chemical Technology (IICT), Hyderabad. She spoke on “Relevance of using animal models in biomedical research: Special reference to behavioural disorders”. She explained the use of animal models like Zebrafish and mice to study the behavioural patterns. She also explained the basis of neurophysiology in behavioural patterns of animals. Students have received the lecture with highenthusiasm and interacted with her.



Guest Lecture

20th November, 2017

The alumnus of the biochemistry department Dr.Lakshman Varanasi, Asst Professor, Institute of Molecular and Translational medicine, Palacky University OLOMOUC 77900 CZECH Republic has delivered a lecture to the undergraduate and postgraduate students of Biochemistry on 20th November, 2017. He spoke on his current research work of colon cancer markers and gave some insights of various career opportunities from which the students could choose after their courses. The lecture was well received by the students and interaction with him had cleared their doubts.



Guest lecture

12th August, 2017

A guest lecture was organized by the department of Biochemistry on 12-8-2017 by Dr. Ganga Kiran, Diabetologist of Kiran Diabetic centre, Somajiguda. He delivered his talk on “Modern Health Disorders” and emphasized on diabetes and thyroid disorders. He spoke about different types of diabetes, symptoms associated with diabetes and the long term effects of untreated diabetes. He gave an insight into the statistics of prevalence of diabetes worldwide. He explained about modifiable and non-modifiable factors associated with diabetes and stressed on the importance of diet and exercise to control diabetes. He covered some aspects related to thyroid disorders like hypothyroidism and hyperthyroidism, their differences in terms of symptoms and the care that should be taken to manage such conditions. Students interacted with the doctor with their queries and found the talk to be very informative.





| 2016-2017

Guest lecture 7th September, 2016

A guest lecture was organized by the department of Biochemistry on 7-9-16. Dr. Manjula, Associate professor from Osmania University spoke on the topic “**Pathophysiology of endometriosis.**” She spoke on the occurrence of endometriosis, its symptoms and causes. She explained on how this condition is related to life style and the measures to avoid it. She gave an insight into her research work about identifying a marker gene for diagnosing endometriosis



Guest Lecture

4th October, 2016

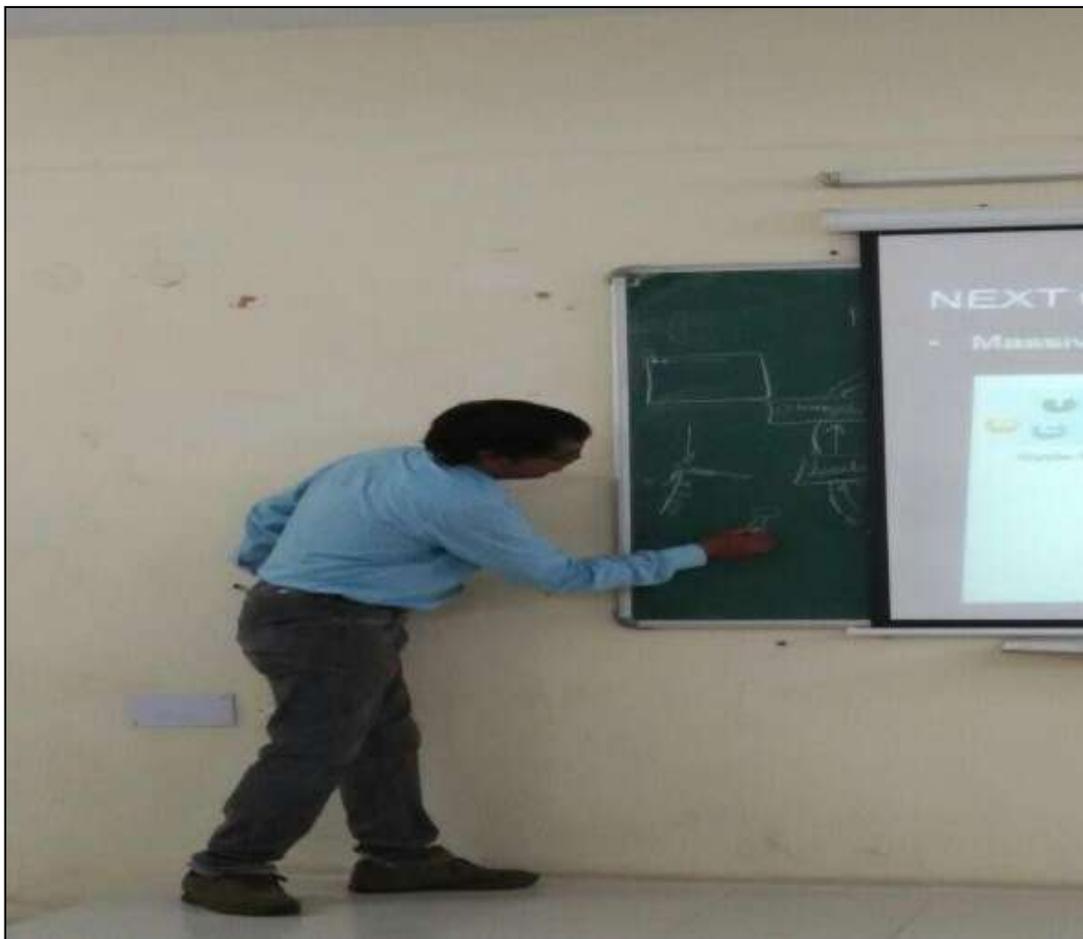
Dr. Vamsidhar. R an alumni student of the department of biochemistry pursuing his post doctoral in Montana State University delivered a lecture on 4th October, 2016. He spoke on the multidimensional approach to study the biophysical properties of viral particles. He also spoke about the adeno associated virus and methods like TEM, Proteolysis using Proteinase K and SDS- PAGE to identify its serotypes.



Guest Lecture

14th September, 2016

A guest lecture was organized on 14-9-2016 by Dr Sudip Ghosh from National Institute of Nutrition. He started his lecture with the basic methods of DNA sequencing and then proceeded to the next generation sequencing and its applications. He explained in detail about the procedures and advantages of DNA sequencing with latest technologies. These techniques are useful to work with even minor quantities of DNA giving accurate results for forensic purposes and related applications.





2015-2016

Guest Lecture

5th October, 2015

The department of Biochemistry organized a guest lecture by Dr. Lakshman Varanasi on 5th October, 2015. Dr. Lakshman is an alumni student who passed out from the first batch of MBiC (2002). He spoke on the discovery of serum biomarkers in diagnosis of gastrointestinal cancer. The techniques employed for the identification of markers included filter aided sample preparation (FASP) and solid phase extraction of glycoproteins (SPEG). Following this, mass spectrometric analysis of xenograft mice serum was carried out to identify the clinically relevant protein sequence alteration in mass spectral data.





Guest Lecture

6th August-2015

The Department of Biochemistry arranged a guest lecture on 6-8-2015 on the topic “**Nutrition in Adolescence**” by Dr. Janaki Srinath for B.Sc life science students. Students were made aware of the diet that should be planned to avoid any future chronic illness. She stressed on the essential nutrients that should be included in the diet for a healthy living and also informed about the weight, wellness and reproductive outcome. She also asserted how the food, physical exercise, stress management and hygiene can make one a better individual

