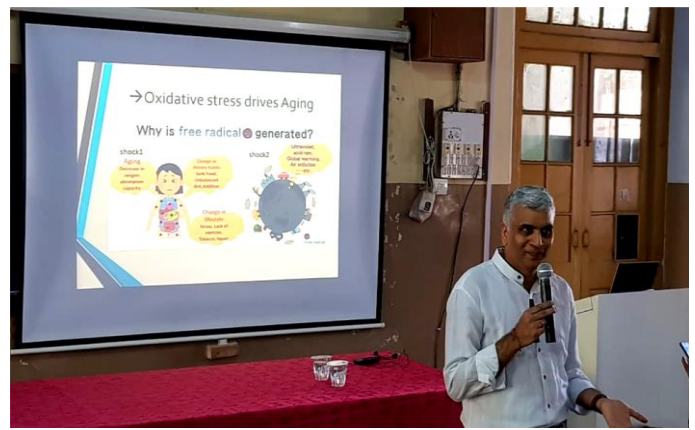


Lecture on Nobel Prize in Physiology or Medicine 2019

Date: 04-02-2020

Participants: 125

Resource person: Prof. Deepak Saini, Professor, Molecular Reproduction, Development and Genetics, Indian Institute of Science, Bangalore




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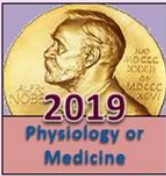


Speaker
Prof. Deepak K Saini
Professor
Molecular Reproduction,
Development and Genetics
Indian Institute of Science
Bangalore


Date
4th February, 2020
Tuesday

Time
2:30 pm

Venue
Sir P. T. Sarvajani
College of Science
Surat



NOBEL PRIZE LECTURE SERIES



Department of Zoology
Sir P. T. Sarvajani College of Science

Cordially invites you to
The Public Lecture

**"Lack of Oxygen and Physiological
Response -Rewarding Hypoxia:
Nobel Prize in Physiology or Medicine 2019"**

Abstract

The talk will cover the basic finding about hypoxic response, discovery of HIF-1 α in regulation of hypoxia leading to the ultimate award. The talk will provide historical account of hypoxic response, adaptation in response of hypoxia, erythropoietin discovery, identification of a generalized hypoxia response and how it is fundamental to various physiological processes. He will also briefly describe the implication of these findings on the work which is done in his lab on various aspects of human aging.

About the Speaker

Prof. Deepak K Saini is a Professor at Indian Institute of Science, Bangalore, since 2010. He carried out his doctoral studies at AIIMS New Delhi and Postdoctoral studies from Washington University School of Medicine, St. Louis. He has 1 Post Doctoral Researcher, 6 PhD students, 2 Interdisciplinary students, 3 Research fellows. Further, 53 Publications and 3 patents to his name.

Brief report:

On 4th February, 2020, Department of Zoology organized a Lecture on Nobel Prize in Physiology or Medicine 2019", awarded jointly to William G. Kaelin Jr., Sir Peter J. Ratcliffe and Gregg L. Semenza. Dr. Deepak Saini, IISc. Bengaluru, was invited to deliver a talk on "Lack of Oxygen and Physiological Response -Rewarding Hypoxia". Dr. Saini is an eminent speaker and has been working on the same modules at Indian Institute of Sciences, Bengaluru for a long time. His talk covered the basic findings about the hypoxic response, discovery of HIF - 1 α in regulation of hypoxia leading to the ultimate award. The talk provided historical account of hypoxic response, adaptation in response of hypoxia, erythropoietin discovery, identification of a generalized hypoxia response and how it is fundamental to various physiological processes. He also explained briefly about the implication of these findings on the work which is done in his lab on various aspects of human aging.