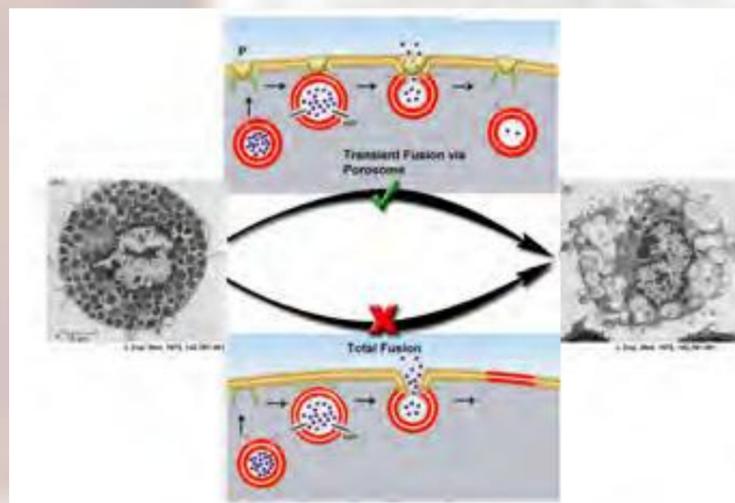


Membrane Biogenesis, Porosomes, Health and Disease: Molecular Underpinnings of Secretions and Membrane Fusions in Cells

Overview

In order to maintain the physiological and biochemical homeostasis, it is necessary that cells communicate with the extracellular environment by taking in molecules as well as by secreting out the products of metabolic and other activities. This function assumes particular significance in context with evolved metazoan organisms where signal molecules for programming developmental and metabolic functions are secreted from one organ and are sent to different target organs. Cells have evolved specialized machinery to ensure secretion and uptake of such molecules. A dysfunction in the membrane organization and functions is associated inevitably with disease. This course presents the concepts, methodology, and bearings these processes have on human health.



Module	Molecular Underpinnings of Secretions and Membrane Fusions in Cells : June 19th - June 25th, 2016 Number of participants for the course will be limited to twenty.
You Should Attend If...	You are a Researcher, Clinician and/or Academician interested in areas of (i) Interdisciplinary Life Sciences, (ii) Neurophysiology and (iii) Diseases related to secretions.
Fees	The participation fee for taking the course is as follows: Participants from abroad : US \$ 500 Industry/ Research Organizations: INR 10,000/- Faculty from Indian Academic Institutions: INR 2000/- Ph.D. Students: INR 1000/- M.Sc. Students of JNU other recognized Universities: Free The above fee includes all instructional materials, computer use for tutorials and assignments, laboratory equipment usage charges, free internet facility during lecture and practical session. The participants will be provided accommodation on payment basis if available in the university hostels.

Teaching Faculty



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Director, NanoBioScience Institute, 540 E. Canfield, 5245 Gordon Scott Hall, Detroit, MI 48201-1928
Special interest: Porosomes and membrane dynamics



Pramod K. Yadava, Ph.D.

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Special interest : Theranostic RNA tools



Deepak Sharma, Ph.D.

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Special interest: Physiology of brain ageing



Sneh Lata Panwar, Ph.D.

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Special interests:
Mitochondria and GPCR-like proteins as drug targets in *Candida albicans*



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