



VEEKSHANA PRESENTS

TALK BY PROF CHANDRIMA SHAHA

TOPIC- MUSINGS
FROM A LIFE IN CELL
BIOLOGY

CHANDRIMA SHAHA,
PRESIDENT - INDIAN NATIONAL SCIENCE
ACADEMY



TUESDAY
APRIL 12

TIME
06:30 PM

JOIN ZOOM MEETING

Meeting ID: 871 1091 2544
Passcode: 353470





ABSTRACT

A LIFE IN SCIENCE IS ONE OF THE MOST CREATIVE AND SATISFYING WAYS TO WADE THROUGH A CAREER PATH. THE INTERESTS, THE ROLE MODELS, THE BEAUTIFUL SCIENTIFIC STORIES AND THE WHOLE EXCITEMENT OF IT MAKES ONE CHOOSE A CAREER IN SCIENCE. A LIFE IN THE LABORATORY WITH A TEAM, THE EXCITING FINDINGS, THE DISCUSSIONS, THE STUDENTS, MAKES A WORTHWHILE JOURNEY. CELLS, THE TINY COMPONENTS OF OUR BODY THAT MAKE US AN ORGANISM, HAVE A VERY COMPLICATED LIFE OF THEIR OWN. WE ARE NOT THE SAME PERSONS THAT WE WERE A YEAR AGO BECAUSE OUR CELLS ARE REPLACED BY NEW ONES ROUND THE CLOCK AND WE LOSE CELLS ALMOST EQUIVALENT TO OUR ENTIRE BODY WEIGHT IN A YEAR. IT TOOK MANY YEARS TO CONSTRUCT A CELL THEORY AND WORK OUT THE CELLULAR SIGNALING PATHWAYS THAT RUNS A CELL. THE WAY CELLS DIE BECAME AN IMPORTANT TOOL TO UNDERSTAND THE POSSIBILITIES OF VARIOUS THERAPIES. NOT SURPRISINGLY, INVADERS TO OUR BODY USE CELLS' OWN TOOLS TO CREATE A FAVORABLE SITUATION FOR THEM TO CREATE A SUCCESSFUL INFECTION. NATURAL SELECTION WORKS ON THE HOST TO THWART INFECTIONS AND ON THE INFECTIOUS AGENTS TO CREATE AN INFECTION MAKING A COMBAT THAT REFINES OUR IMMUNE SYSTEM AND GIVES US THE CAPABILITY TO SURVIVE IN A HOSTILE WORLD.

