

We Might Increase the Number of Years that we Live

A 17-year-old's Comprehensive Research is assisting us in Getting our Answers

CELLULAR SENESCENCE & SECRETORY PHENOTYPES THROUGH THE LENS OF AGEING, *IN VIVO* REPROGRAMMING TECHNOLOGY



LAKSHYA SHARMA 

New Delhi, Delhi Dec 28, 2021 ([Issuewire.com](https://www.issuewire.com)) - We Might Increase the Number of Years that we Live and how a 17-year-old's Comprehensive Research is assisting us in Getting our Answers

Lakshya Sharma aged just 17 years has achieved what nobody could even think of. With his book "Cellular Senescence & Secretory Phenotypes through the lens of Ageing, In Vivo Reprogramming Technology" Lakshya Sharma has become the youngest publisher in the field of Tumor Suppressive Networks. A student of DPS Gurgaon has published a research paper in the international journal 'Expert Review of Proteomics; under Professor Sanjeeva Srivastava at IIT Bombay.

"We need to focus on developing Senolytic Treatments that will cause these senescent cells to die, as well as the proper dosage and timing of these drugs. "We currently have prototype drugs that have been tested on genetically altered mice but not on humans, and that is what I want to work on with professors at Indian Research Institutions like IIT Delhi," said Lakshya, who is spearheading the project to engineer Biopharmaceutical Drugs for suppressing Senescent Cells.

"I have been invited as an academic researcher for a couple of months at various Indian Research Institutes due to my academic competency, and I have also been recently invited as a wet-lab intern at IIT Delhi for Drug Development in Summer where I hope to find a possible solution to Senolytic Drug Development," said Lakshya Sharma, who is assisting, outpacing, and bolstering research groups to generate a sustainable solution to the problem of senescent cells. "My stay in the IIT Bombay Proteomics Laboratory helped me comprehend the issue constructively, which inspired me to write my book," said Lakshya, whose book on Tumor Suppressive Networks was just released.

"Lakshya has an excellent scientific aptitude and is proficient in understanding scientific literature at a very young age," said Respected Professor Dr. Gaurav Ashok Bhaduri, an Assistant Professor at IIT Jammu who has completed his Post-Doctoral Studies from IIT Kharagpur. "Lakshya's ability to research is exemplary and the kind of experiences he has already built at such a tender age is commendable", said Respected Professor Dr. Sarang P. Gumfekar, an Assistant Professor at IIT Ropar who has completed his Ph.D. studies from the University of Alberta, Canada. "Lakshya's quest for finding a possible solution to aging along with senolytic drug development would surely be a success seeing his current research aptitude and research experiences along with his publication", said Respected Professor Dr. Manoj Kashyap, an Associate Professor at the Stem Cell Institute who has completed his Ph.D. studies from Johns Hopkins University, the USA in Cancer Biology.

"The only thing essential to increase our healthspan and possibly lifespan would be the removal of senescent cells leading to treatment of the age-related diseases. I have recently been invited to IIT Delhi for Drug Development as a wet-lab intern for a couple of months where I hope to make some progress in the field of Senolytic Drugs that can be tested on Humans. The field of Cellular Senescence is relatively new and there are very few people currently working in this field throughout the world. I have worked as an academic researcher (Research Intern) for a couple of months individually in the past couple of years at various Indian Research Institutions like IIT Bombay, IIT Kanpur, IIT Jammu, IIT BHU, IIT Ropar, IISC Bangalore under professors along with companies like Solvay where I was chosen as a researcher based on my academic competency, previous experiences, research papers & my book. My experience at IIT Bombay Proteomics Laboratory helped me understand the topic of Protein Analysis in Cancer which motivated me to write my own book. I have been recently recognized by the Director of the Defence Research Development Organisation (DRDO), India (the premier research institution of the

government of India) for my research efforts”, said Lakshya who is pioneering the project to engineer Biopharmaceutical Drugs for suppressing the Senescent Cells.



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Source : Lakshya Sharma

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