

INVITED LECTURE

“New Age Medicine”



5th January 2024



11:00 AM



Seminar Room,
Centre for the Environment

Dr. Rubul Mout

Research Fellow

Harvard Medical School, Harvard

University & Boston Children's Hospital

Dr. Rubul Mout is a Fellow (Research) at Harvard Medical School, Harvard University, and at the Stem Cell Program, Boston Children's Hospital (BCH). At Harvard/BCH, Dr. Mout works to engineer bone marrow stem cells (or HSCs) to cure genetic diseases of blood origin. HSCs are the 'mother' cells of all blood cells that defend human bodies from diseases. Mutations in genes in the HSCs lead to hundreds of genetic diseases, from cancer to autoimmune. Dr. Mout uses various technologies, including techniques he invented in his prior research, to engineer these HSCs. In particular, he uses human somatic cell derived pluripotent stem cells (iPSC) to differentiate them to HSC first, and then to produce and train T-cells that could potentially fight off many diseases.

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