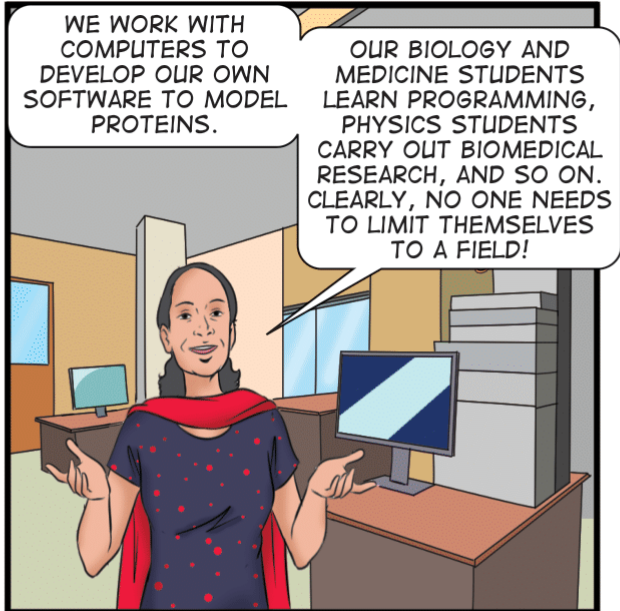


SHRUTHI'S LAB USES A METHOD CALLED 'INTEGRATIVE MODELLING.' IT IS LIKE A 3D JIGSAW PUZZLE OF THE PARTS OF A COMPLEX MACHINE.

THE STRUCTURE IS MODELLED ON A COMPUTER USING DATA FROM EXPERIMENTS, THE RULES OF PHYSICS AND STATISTICS FROM PREVIOUS STRUCTURES.

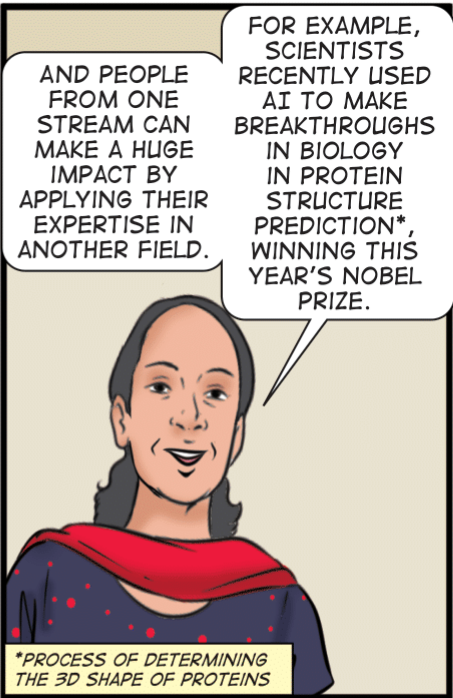


WE WORK CLOSELY WITH EXPERIMENTALISTS SUCH AS MICROSCOPISTS AND BIOCHEMISTS FOR OUR RESEARCH. IT'S A MULTIDISCIPLINARY TEAM EFFORT!



WE WORK WITH COMPUTERS TO DEVELOP OUR OWN SOFTWARE TO MODEL PROTEINS.

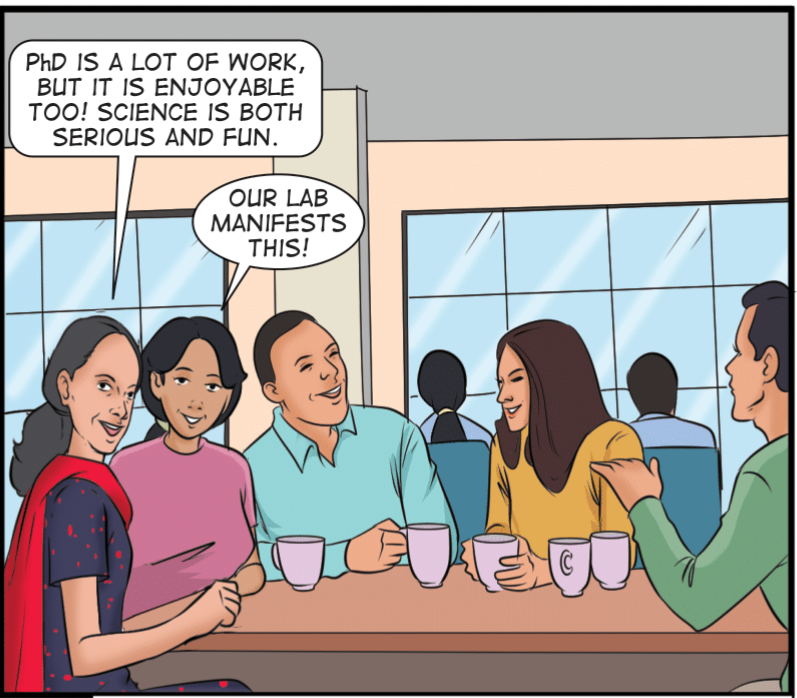
OUR BIOLOGY AND MEDICINE STUDENTS LEARN PROGRAMMING, PHYSICS STUDENTS CARRY OUT BIOMEDICAL RESEARCH, AND SO ON. CLEARLY, NO ONE NEEDS TO LIMIT THEMSELVES TO A FIELD!



FOR EXAMPLE, SCIENTISTS RECENTLY USED AI TO MAKE BREAKTHROUGHS IN BIOLOGY IN PROTEIN STRUCTURE PREDICTION*, WINNING THIS YEAR'S NOBEL PRIZE.

AND PEOPLE FROM ONE STREAM CAN MAKE A HUGE IMPACT BY APPLYING THEIR EXPERTISE IN ANOTHER FIELD.

*PROCESS OF DETERMINING THE 3D SHAPE OF PROTEINS



PHD IS A LOT OF WORK, BUT IT IS ENJOYABLE TOO! SCIENCE IS BOTH SERIOUS AND FUN.

OUR LAB MANIFESTS THIS!

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