


STEM education for visually impaired and blind students

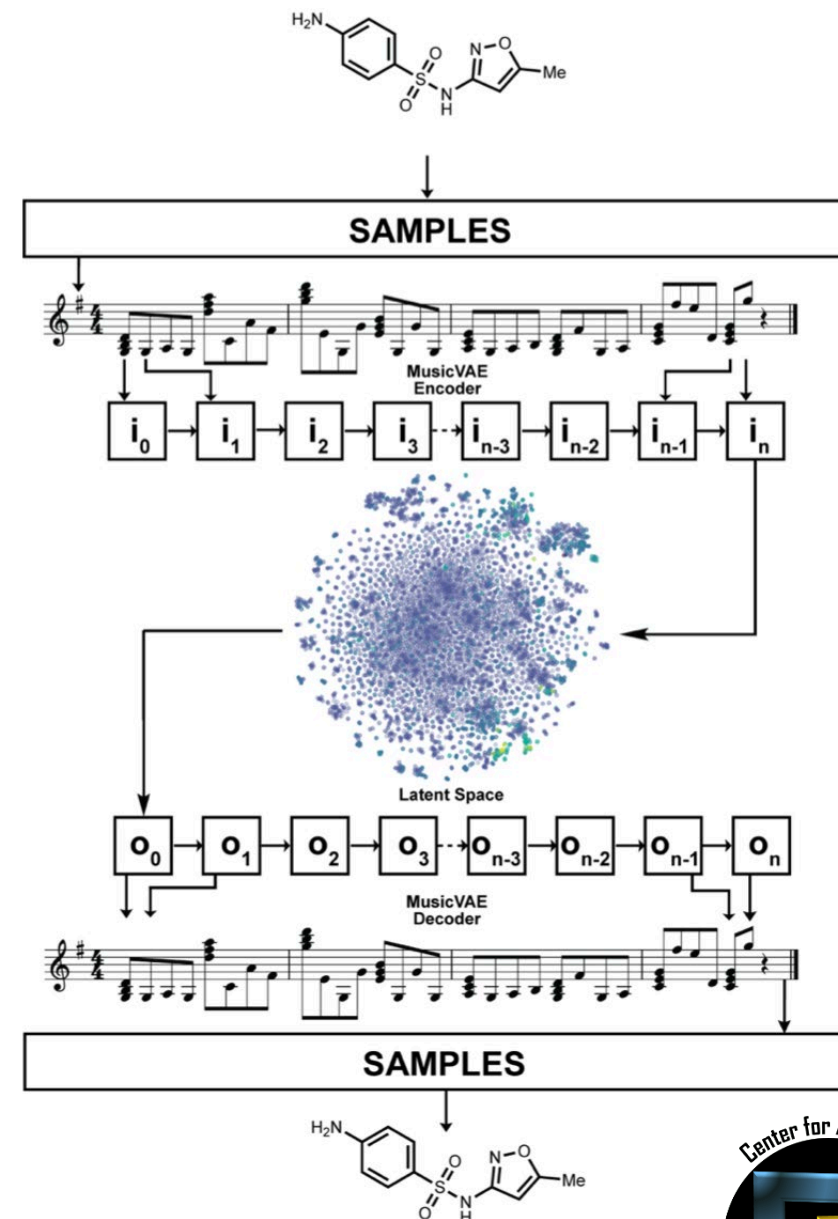
The Influence of a Blind Professor in a Bioengineering Course

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- Teaching a bioengineering course:
 - Course material: digital copy of the course, verbal description of figures/equations, note taking
 - Text-to-speech software - Audio library - Access assistants - Reading system for equations, writing structure (braille) – hardware (camera/CCD etc)
- As a physical chemist, or spectroscopist specifically, how can we help expose students with visual disabilities to the science we do?
 - an example: making molecules into [music](#)
 - Maybe we can use sound wave to represent light
 - At college level education, what are some tricks/techniques we can incorporate to make our science more accessible for visually impaired/blind students?



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