

**Q1: What is quantum spin microscopy and what is it good for?**

**A1: A tool for seeing atoms in order to explore, innovate, and heal**

1959: Richard Feynman  
*There's Plenty of Room at the Bottom*

*I put this out as a challenge: Is there no way to make the electron microscope more powerful? ... Make the microscope one hundred times more powerful, and many problems of biology would be made very much easier.*



1946: John von Neumann to Norbert Weiner

**Pauling, von Neumann, and Feynman envisioned atomic microscopy as a new frontier for exploration and enterprise. Now our generation is exploring their frontier.**

1946: Linus Pauling

System biology proposal to Rockefeller Foundation

*It is appalling to consider how meager is our information about the composition and structure of proteins ... Extremely important advances could be achieved if the effective resolving power of the electron microscope could be considerably improved.*

