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# BIOPHYSICIST RESUME

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## Summary:

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An exceptional scientist who have the knowledge in developing new methods to address the process of biological processes at every level; has knowledge in methods of mathematics, physics and other related fields and has researches on how the brain processes and stores information; has studied organisms develop, see, hear, think and live and linked this with human genetics in relation to our biophysical environment; has utilized computers extensively for data collection and analysis and other projects to document results of laboratory test and experiments; has been involved in the design and perform experiments with lasers, cyclotrons, telescopes, mass spectrometers, and other equipment; has attempted to discover and explain laws describing the forces of physical and human nature, connecting these discoveries to have an impact on biotechnology and medicine

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## Professional Experience:

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Biophysicist January 2007 – Present  
Jefferson Lab, Albany, NY

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## Responsibilities:

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- Utilized advanced fluorescence imaging techniques to further study and experiment 2D crystallization kinetics at a lipid interface.
- Collaborated with computational and surface scientists to modify working models.
- Prepared and developed research publications on experimental results to assist experts on the field.
- Presented the results and testing in conferences and colleague reviewed publications.
- Directed graduate students and undergraduate assistants in the laboratory.

Senior Research Leader May 2004 – December 2006  
Roche Pharma, Albany, NY

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## Responsibilities:

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- Acted as team lead to manage a group of scientists to extend expert biochemistry support to the discovery and development of antiviral drug.
- Provided group scientific expertise in various biophysics experiments and projects.
- Created innovative essay development for evaluation of new drug and transition of technologies of scientists.
- Initiated the movement in technology on novel drug discovery projects to help cure patients' diseases.
- Directed researches and laboratory test to further discover many inputs on biophysics that will be beneficial to patients, students and scientists.

Open Rank Faculty February 1999 – May 2004  
Lawrence Berkeley National Laboratory, Albany, NY

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## Education:

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Masters Degree in Physics, University of Iowa, 1999  
Bachelor of Science in Physics, Rockefeller University, 1994

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## Skills:

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- Knowledge in Physics, Biology, and Mathematics
  - Enjoy working with others as members of a team
  - Excellent in writing and computer skills
  - Excellent in extracting synthesizing information and finding innovative solutions to problems
  - Excellent in presentation and management skills
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## Professional Affiliation:

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International Union for Pure and Applied Biophysics, Member  
International Institute of Biophysics, Member

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