


CAIA ASSOCIATION® FDP INSTITUTE™

WEBINAR SERIES

A Conversation With ...

Woody Sherman
CSO, Silicon Therapeutics
Adjunct Professor Umass

Computational Drug Discovery



Welcome
We will start promptly at 2pm

Please add your questions to the chat box, we will address them during the Q&A.

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Financial Data Professional Institute

Computational Drug Discovery

A conversation with

Woody Sherman, PhD, CSO, Silicon Therapeutics

Adjunct Professor, UMass Amherst

Hosted by

Mehrzaad Mahdavi, Ph.D., CAIA, CFA, FDP, Executive Director, FDP Institute

www.fdpinstitute.org

May 6, 2020

Agenda

- Welcome
- Introductions



Woody Sherman, Ph.D.,
CSO, Silicon Therapeutics
Adjunct Professor, UMass
Amherst



Mehrzad Mahdavi,
Ph.D.,
FDP Institute



Mirjam Dekker,
MBA Data Analytics
FDP Institute

- The Role of Artificial Intelligence, Machine Learning, and High-Performance Computing in Drug Discovery
- Q & A *(please add your questions to the chat!)*



About the FDP exam

- Next exam window October 12 – November 8, 2020
- Registration opens May 10th

Online Requirements

- Choose between two (2) Python or two (2) R programming classes (4-6 hours each).
- The online classes can be completed before or after FDP exam.
- No programming background is needed to complete the online classes or the FDP exam.

FDP Exam

1. Introduction to Data Science & Big Data
2. Machine Learning: Introduction to Algorithms
3. Machine Learning: Regression, Support Vector Machine & Time Series Models
4. Machine Learning: Regularization, Regression Trees, Random Forest & Overfitting
5. Machine Learning: Classification & Clustering
6. Machine Learning: Performance Evaluation, Backtesting & False Discoveries
7. Data Mining & Machine Learning: Naïve Bayes & Text Mining
8. Big Data & Machine Learning: Ethical & Privacy Issues
9. Big Data & Machine Learning in the Financial Industry



Learn how you can obtain your **Financial Data Professional Credential**

INFO SESSION
May 12th, 2020
2pm EDT

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Q & A

Add your questions in the chat room please.

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INFO SESSION
May 12th, 2020
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