iJOBS Career Panel: Computational Biology
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10:30 AM

Janaina Cruz Pereira, Ph.D.
Computational Biologist
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Janaina Cruz Pereira is a Computational Biologist at VantAI. Before joining VantAI, she worked as a Postdoc at Rutgers University for 2 years. Her research focuses on the development and improvement of machine learning (ML) based approaches for drug discovery. She also works on collecting, analyzing, and interpreting large biochemistry datasets. She holds a Ph.D. in Computational Biology and Systems from the Oswaldo Cruz Foundation (Fiocruz).

Shruthi Vaidhyanathan, PhD
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In my current role in the drug product development team (biopharmaceutics driven PK-PD predictive team) at BMS (since 2015), I apply modeling and simulations to mechanistically predict and understand biopharmaceutical performance of a variety of therapeutic modalities, different dosage forms, and routes of administration. I play a strong role in influencing broader team decisions that pertain to product bioperformance in the clinic.
I have a strong track record of scientific publications, and internal and external presentations. I graduated with a PhD in Pharmaceutics from University of Minnesota (2015), and previously, a M.S in Pharmaceutical Science from the University of Cincinnati (2010).

Ariella Sasson, PhD
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Ariella Sasson is a Senior Solutions Architect at AWS. Ariella earned her undergraduate degree in mathematics and her doctorate in Computational Biology and Molecular Biophysics from Rutgers University. Quickly, her work began to focus around both technical and analytical aspects of Next Generation Sequencing. From her work in trying to identify genetic causes of pediatric diseases to working as part of the teams analyzing somatic data for the next biomarkers for treatment at BMS, she has played a leadership role in developing processing pipelines and storage solutions for genomic, transcriptomic, and proteomic from preclinical and clinical samples. Through her work, she has had the opportunity to work with large datasets allowing her to develop expertise in how to process, manipulate, and prepare data for analyses in a high throughput fashion.

Manjula Mummadisetti, PhD
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Manjula Mummadisetti is a senior scientist at AVM Biomed in Pennsylvania, USA, where she heads the Proteomics / Mass Spectrometry unit. AVM Biomed is a start-up CRO/ biotech firm. At AVM Biomed, Manju's work mostly focuses on proteomics-related projects, their design, experimental workflows, data processing workflows as well as visualization. Manju was as a Postdoctoral researcher at Rutgers University in marine and coastal sciences, New Brunswick. And prior to that, she graduated with a Ph.D. from Louisiana State University.