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20181029_Biomedical Informatics Seminar Series Presents Yan Guo, PhD - 11-01

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Biomedical Informatics Seminar Series Presents Yan Guo, PhD - 11/1

by Sally Bowler-Hill on October 29th, 2018 | [o Comments](#)

On November 1, 2018, Yan Guo, PhD, Associate Professor, UNM Department of Internal Medicine, will speak on Medical Research with Machine Learning. The concept of machine learning has existed for decades. With the blooming of high throughput genomic technology, machine learning methods have been frequently applied to high throughput genomic data to assist biological researchers. Using this opportunity, several concrete examples of machine learning applications in big genomic data will be shown and discussed in depth. These examples include an application of machine learning techniques to identify metabolomics biomarkers for early-stage chronic kidney diseases; how deep learning methods such as convolution neural networks can be used for phenotype classification; and using deep learning method to construct a genome-wide RNA editing prediction model.

The presentation runs from 10-11 a.m. at the Health Sciences Library and Informatics Center, room 228. This lecture is part of the library's Biomedical Informatics Seminar Series (BioMISS). For a complete list of seminar speakers and dates, please visit https://hslic.unm.edu/about-hslic/brochures/BioMISS_Schedule_2018-19.pdf

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