BIOINFORMATICS 2017 Fall SEMINAR SERIES

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http://bioinformatics.udel.edu/Seminars/Current

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3:30pm
DBI Room 102

Mathematical and computational modeling of the tear film

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ABSTRACT:

The tear film protects the ocular surface and is critical to the proper optical functioning of the eye. A poorly functioning tear film can result in dry eye syndrome, which affects millions of Americans, but the detailed dynamics of the tear film and the causes of dry eye are still not well understood. I will survey recent progress in experimental observation and the modeling and simulation of tear films. I will also describe other work being done by members of the Center for Applications of Mathematics in Medicine at the University of Delaware.