Drug repurposing

John Overington [1]
Chemical biology
Beginner
1 hour

John Overington, Director of Bioinformatics at Stratified Medical, and former group leader at EMBL-EBI, presents a talk on the repurposing of drugs for novel therapeutic applications. The talk explores how computational approaches can be used to examine the properties of existing pharmaceutical compounds and looks at their application in rare, orphan, and poorly researched diseases.

During the talk you will learn about how these drugs can be identified and new applications sought to speed up discovery and reduce development costs.

NB: This video works best using Google Chrome and when viewed in full screen.

Learning objectives:

- Understand what is meant by "drug repurposing" and "drug rescue"
- Appreciate how drugs can be used in novel applications
- Know where to search for data and information on existing drugs

Your feedback

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Contributors

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John Overington is the Director of Bioinformatics at Stratified Medical. John previously worked as Team Leader for the computational Chemical Biology team at the European Bioinformatics Institute
Drug repurposing in Cambridge, UK. He studied for a PhD in Crystallography at Birkbeck College, University of London in 1991, working of protein modelling and sequence template bioinformatic methods development. Since this time John has held a number of positions in large Pharma and Biotech sectors prior to joining the EBI in 2008.

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Links
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