**Quiz Questions**

What method is being proposed to decipher complex traits?

1. Highly Combinatorial Genetic Analysis (HCGA)
2. Deep Combinatorial Genetic Analysis (DCGA)
3. Target-Wise Association Study (TWAS)
4. Make Genetics Great Again (MGGA)

Which of these was proposed to happen when you knock out one or more of the 16 ABC transporters?

1. Drug efflux decreases
2. Activation of one or more of the remaining transporters increases
3. Activation of other resistance factors increases
4. A and B
5. A,B, and C

What computational method was used to find significant complex genetic interactions?

1. Linear regression
2. Random forest
3. Principal components analysis
4. Support vector machine

A complex genetic interaction in which drug was followed up for further study?

1. Ketoconazole
2. Benomyl
3. Fluconazole
4. Valinomycin

What new protein-protein interaction was found?

1. Pdr5 – Yor1
2. Pdr5 – Snq2
3. Pdr5 – Ybt1
4. Yor1 – Snq2

Why were MYTH and PCA used instead of Y2H for trying to find new interactions?

1. Many ABC transporters are autoactivators
2. It is too difficult to clone ABC transporters into Y2H vectors
3. We are studying human ABC transporters which are toxic in yeast
4. ABC transporters are transmembrane proteins

Why was regularization added to the neural network?

1. To decrease the number of parameters
2. To allow the network to converge to one solution between separate initializations
3. To make the algorithm run faster without an expensive GPU
4. A,B, and C
5. A and B