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| Started on | Saturday, 18 November 2023, 7:20 PM |
| State | Finished |
| Completed on | Friday, 24 November 2023, 8:45 PM |
| Time taken | 6 days 1 hour |
| Marks | 63.00/63.00 |
| Grade | 10.00 out of 10.00 (100%) |

Question 1

Correct

Mark 63.00 out of 63.00

1 Which phase of the drug discovery timeline can Open Targets optimize and accelerate?

- ☒ 1. Discovery ✓
- ☐ 2. Development
- ☐ 3. Delivery
- ☐ Blank answer

Mark 7.00 out of 7.00

The correct answer is: 1. Discovery








2 What data sources can provide useful information for drug discovery?

- ☐ Gene, protein and metabolite expression
- ☐ SNPs and GWAS
- ☐ Reactions, interactions and pathways
- ☒ All of the above ✓
- ☐ Blank answer

Mark 7.00 out of 7.00

The correct answer is: All of the above








3 Which Evidence sources are integrated into Open Targets? (tick all that apply)

- Yes  ✓ Genetic associations
- Yes  ✓ RNA expression
- Yes  ✓ Somatic mutations
- Yes  ✓ Pathways/Systems Biology
- No  ✓ Association of fly models with disease
- Yes  ✓ Known drugs
- Yes  ✓ Published articles (text mining)

4 How many targets are associated with asthma according to Open Targets (See Associated Targets tab)?

4562 ✓

5 Explore the association of *PDE4D* with asthma further. What type of evidence exists for such an association? (tick all that apply)

- No  ✓ Affected pathways
- No  ✓ Animal models
- Yes  ✓ Drugs
- Yes  ✓ Genetic associations
- No  ✓ RNA expression
- No  ✓ Somatic mutations
- Yes  ✓ Text mining

6 How many different drugs are in phase IV in the association of *PDE4D* with asthma? (Phase: IV)

2 ✓

7 How many diseases are associated with *PDE4D*?

338 ✓

8 How many "Respiratory or thoracic diseases" are associated with *PDE4D*?

23



9 After asthma, which is the disease showing the highest overall association score with PDE4D

acrodysostosis



10 How many genetic associations does this 2nd ranked disease have with PDE4D, according to ClinVar?

24

