WG3 Meeting report

31th August 2022

WG3 Update Alberto

- **Two separate experiments with 10x and LOSO CV**

- **brutal ML approach with multiple models (Hunga-Bunga)**

- **Perfromance gains from metadata in both cases**

- **best classifier depends on metric**

- **Batch effects for Indian healthy cohort PRJNA397112**

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WG3 Update Andrea

- **multiview models approach**

- **combines different preprocessings/sequencing techniques/omics etc.**

- **models are trained in iterations**

- **weights are given to the samples to influence their impact on the next iteration**

- **Significant boost in AUC ~0.7 $\rightarrow$ > 0.99**

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WG3 SOP discussion

- **recommendations for**

    - **Automl (CV)**

    - **metadata to include**

    - **Batch effect corrections (splitting data?)**

    - **goal metric**

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WG3 Outlook

- **Roadmap for publication**

- **Collection of trained models/metrics**

- **extract recommendations**

- **possible cooperation/ joint paper with other WG (WG1?)**