BioInference Initiative
Day 1 Data-driven meeting: problems and methodologies

WARWICK
THE UNIVERSITY OF WARWICK

Supported by CAMaCS

Time	Wednesday 5th June
10:30-11:00	Registration & coffee
11:00-11:10	Welcome
11:10-13:00	Presentations of three topics
13:00-14:00	Lunch
14:00-14:30	1st Breakout session
5 minute break to possibly change the group topic	
14:30-15:30	2nd Breakout session
15:30-16:00	coffee break
16:00-16:30	3rd Breakout session
16:30-17:00	Short report of the discussions from each group
17:00	Final conclusions and follow up

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Speakers

1. **Dr Munehiro Asalli**, Associate Professor at the School of Life Science, University of Warwick, head of the Assali Lab.
    Title: "Bacterial electrical signalling"

2. **Dr Calliope Dendrou**, Sir Henry Dale Fellow, Nuffield Department of Medicine, University of Oxford.
    Title: *"Predicting drug treatment outcomes in inflammatory bowel disease using longitudinal single-cell genomics and spatial data"*

3. Dr Wen Hwa Lee, Chief Executive Officer & Chief Scientist at **Action Against AMD** (age-related macular degeneration of the eyes).
    Title: *Hidden in plain sight: combining past data to create the future of personalised healthcare*

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Scientific leaders who seeks to analyse their data to answer open questions, achieve their goals

Mathematicians, statisticians, computer scientists, etc.

Breakout rooms brainstorming sessions

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Mathematicians, statisticians, computer scientists, etc.

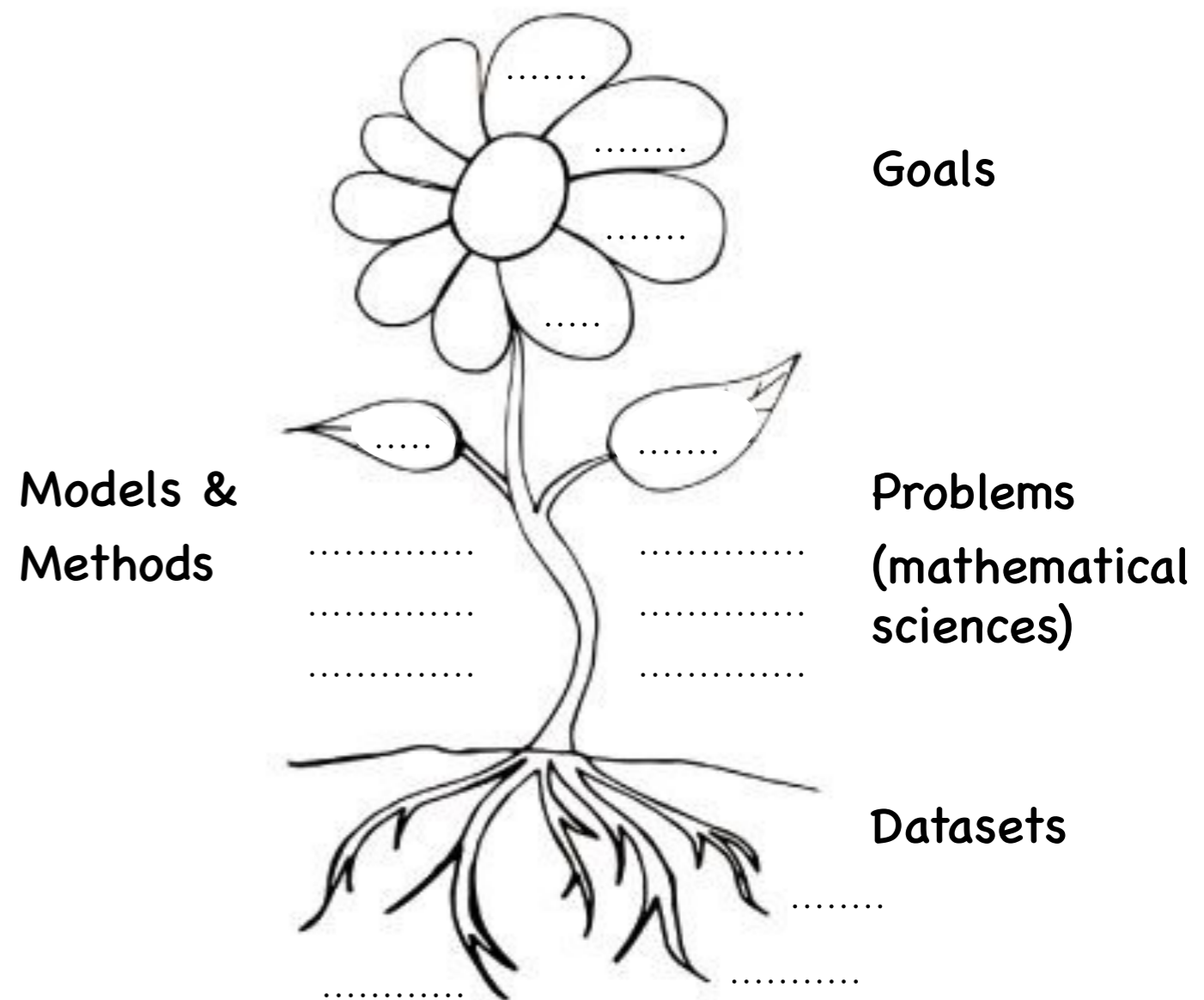Rooms MB2.22 + 0.01*n (n=0,1,2)

Breakout rooms brainstorming sessions

- Explore the data

- Explore the problem space

- Map scientific goals to mathematical sciences problems

- Explore the solutions space

Breakout rooms brainstorming sessions

- **Explore the data**

- **Explore the problem space**

- **Map scientific goals to mathematical sciences problems**

- **Explore the solutions space**

- **Create a flower (poster)**

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Breakout rooms

MB2.22
Massi, Constantina

MB2.22
Julia, Yongchao

MB2.24
Ioanna, Marina