Diagrams for presentation

Alán F. Muñoz

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Outline

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%%{init: {'theme': 'forest',   "flowchart": {"useMaxWidth"

graph LR
    A[(Raw Images)] --> b[Segmentation]
    b --> C[(Masks)]
    C --> c[Measurements]
    A --> c
    c -->  D[(Raw Profiles)]
    D --> E{Time series?}
    E -- Yes --> f[Tracking] --> g[Tracks]
    g --> h[Time reduction]
    h  --> S[Signal Processing]
    E -- No --> h
    S --> F[(Processed profiles)]
    F --> Statistics --> G[(Significance)]
    A --> H[Marimo notebooks]
    G --> H
    F --> H
    F --> R[Dimensionality reduction] --> L[(Low Dim Profi
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    L --> H
    H -- Exploration and feedback --> A

%%{init: {'theme': 'forest',   "flowchart": {"useMaxWidth"
graph LR
    A[(Raw Images)] --> b[Cellpose]
    b --> C[(Masks)]
    C --> c[cp_measure]
    A --> c
    c --> D[(Raw Profiles)] --> E{Time series?}
    E -- Yes --> f[stitch3D tracking] --> d[catch22]
    E -- No --> e[trommel]
    d --> e
    e --> F[(Processed profiles)]
    F --> K[DuckDB] --> G[(Well-level profiles)]
    G --> Copairs --> H[(Profile significance)]
    G --> UMAP --> J[(Embeddings)]
    G --> t-test --> L[(Feature significance)]
    A --> I[Marimo]
    H --> I
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G --> I
J --> I
L --> I
I -- Exploration and feedback --> A
```