

# Flow Informatics and Computational Cytometry Society (FICCS)

## Development Conference Call Summary

### Attendees:

BCCRC: Ryan Brinkman, Josef Spidlen, Anna Krasnova  
FCCC: Olga Tchuvatkina  
UT Southwestern: Yu Qian (Max)  
UM: Peter Wilkinson, Sebastian (sp?)

**July 11, 2007, 10:30am PST**

### Summary:

- Review of the swapped sections of the modeling spreadsheet (spreadsheet describing how flow cytometry specific concepts could be modeled in FuGE):
  - 1) Experiment Overview, originally by FCCC, reviewed by BCCRC
    - This section is covered by FuGE, no need for a flow-specific extension.
    - InvestigationComponent may correspond to techniques used, e.g., a 96 well plate may still be a single InvestigationComponent.
    - The syntax for full path needs to be agreed (as there are tracing issues)
    - Factors should be useful to store experimental variables as these may not need to store the numerical values (as these may be found in protocols within workflow description).
    - qualityControlDescription details will be decided based on several use cases that need to be described first:
      - Action Item (Peter):** Provide real use cases (e.g., leave one out strategy, auto-gating, etc.)
      - Action Item (Sebastian):** Provide more quality control use cases
      - Action Item (Olga):** Describe some general use cases (time course)
  - 2) Data Analysis Details, originally by BCCRC, reviewed by Max
    - The mapping covers all concepts from MIFlowCyt/Analysis Details
    - We may not need to provide place holders for both, compensation and spillover matrix. Let's eventually convert the compensation matrix into the spillover matrix and let's always store the spillover matrix in the model.
    - Olga's comment based on experience with CISBAN: Details covered by some other standards (e.g., \*ML) do not need to be modeled within FuGE. FuGE may just reference these external documents; internally, there should only be information that is useful for searching/queering.
  - 3) Instrument Details, originally by Peter, reviewed by FCCC
    - Action Item (Olga):** Review postponed for next call.
  - 4) **Flow Sample/Specimen Details**, originally by Max, reviewed by Peter
    - Action Item (Peter):** Review postponed for next call.
    - Action Item: Max** reviews DICOM (WG26) specification/supplements to see what could/should be reused for sample/specimen description.
- Max has a posted a use case at FICCS wiki. This shall be review during the next call.
- **Action Item (due from previous call):** Peter will add an ontology-related column in the concepts modeling spreadsheet to ensure that concepts/terms are in OBI if needed.
- **Action Item (due from previous call):** Everyone else who has a useful use case for having FuGE extended to flow cytometry. These use cases shall be summarized at FICCS wiki.

Next call: **Wednesday, July 25, 2007, 10:30am PST.**