



# Minutes of the

# 6<sup>th</sup> **MIRAGE** **WIBVGE** Meeting

Potsdam, Germany

22 June 2015

by

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## Participants

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### **Absent, unfortunately**

- Anne Dell, Imperial College London, UK
- Stuart Haslam, Imperial College London, UK
- Kay-Hooi Khoo, Academia Sinica, Taipei, Taiwan
- Ryan McBride, The Scripps Research Institute, La Jolla, CA, USA
- Michael Tiemeyer, University of Georgia, Athens, GA, USA
- Lance Wells, University of Georgia, Athens, GA, USA



## Program

### Tuesday, 22<sup>nd</sup> June

- 9.00 Welcome and Opening, objectives of the meeting, approval of the agenda  
*Carsten Kettner*
- 9.30 MIRAGE Bioinformatics Subgroup  
Report and discussion  
*Kiyoko Aoki-Kinoshita and Matthew Campbell*
- 10.30 MIRAGE Glycan Array Guidelines  
Status report and discussion  
*Ten Feizi, Yan Liu and David Smith*
- 12.00 Lunch
- 1.30 pm MIRAGE Sample Preparation Guidelines  
Status report and discussion  
*Weston Struwe*
- 2.15 pm MIRAGE LC Guidelines  
Status report and discussion  
*Daniel Kolarich*
- 3.15 pm MIRAGE CE Guidelines  
Status report and discussion  
*Erdmann Rapp*
- 4.00 pm *General issues – open discussion*
- milestone list as negotiated in Galway;
  - summary of vendor contacts;
  - summary of journals contacts;
  - outreach strategy and materials;
  - HUP0 proposal from Khoo;
  - status of example files and templates for the various guidelines that can be published online along with the guidelines,



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- publication strategy for the guidelines in progress;
  - update milestone list for another 6 months;
  - next meeting

*Carsten Kettner, René Ranzinger and Will York*

5.00 pm Conclusions and Close

*Carsten Kettner*

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## Results

### BioInformatics group

- GlycoPeptide needs to be considered
  - Side specific information (which position is the glycan attached to)
- Reliability
  - Change to "level of detail"
  - Fully defined structure, topology, composition, unverified glycan
- Record which adduct type is used (additional column for the adduct, exchange, loss of small molecules?)
- see [http://glycomics.ccr.c.uga.edu/MIRAGE-private/index.php/1st\\_BioInformatics\\_Workshop](http://glycomics.ccr.c.uga.edu/MIRAGE-private/index.php/1st_BioInformatics_Workshop) for details.

### Sample Preparation Guidelines

- Chemical source
  - References to papers if available
  - Instead of proved use provide
  - Source: Manufacturer, Lot number (also applies for biological standards)
- Allow origin to be biological and chemical?
- Enzymatic treatments: Remove last sentence? Reference to Strenda or paper for enzyme description?
- Rename "Sample Definition" to "Analyte Definition"
- In section 2
  - Remove a,b,c
  - Have a comment saying modification, purification and isolation can come in any order and any number
  - Have short definitions for modification, purification and isolation
- Remove numbering?
- Remove example column, have an example in separate file or page
- Pick a paper that follows this guidelines (Daniel knows some) make sure its open access

### LC Guidelines

- Publishing
  - GlycoBiology communication



## CE Guidelines

- Invite people to working group
- Collect feedback

## Glycan Array Guidelines

- Combine "Description of GBM" to "GBM modification"
  - Have bullet points
  - labeling separate
- Polysaccharide - unknown number of repeat units (e.g. range)
- Glycan
  - Sequence
  - Linker
  - Attachment type (reduced, amid)
- For the purity data refer to the LC and MS guidelines
- Section 5 is not minimum
- Remove Image of micro array

## Next Steps

- Standardize general section
- Guidelines for synthesis?
- Will York - Contact Bob Haltiwanger to about publishing several short papers
- 30.09. Paper for LC => GlycoBiology glycoforum
- 30.09. Paper for Sample Preparation => GlycoBiology communication
- References in Papers should always point to the most recent version

## Notes - Potential Dates:

- 18.09.2016 - 22.09.2016 HUPO - MIRAGE talk
- 25.09.2016 - 27.09.2016 Warren Workshop - MIRAGE meeting at this time/location

## Standard Layout

- 2 columns – classification and guideline
- only general number and one sublevel (e.g. 4.1)
- landscape





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- pre-amble for each heading
  - version and date in footer