



Akademie Berlin-Schmökowitz, Manor house lakefront. Photo: Jutta Wrase

Minutes of the

8th **MIRAGE** **Meeting**

WIBVGE

Berlin, Germany

12 June 2017

by

René Ranzinger and Carsten Kettner

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Participants

Akune, Yuki	Imperial College London	y.akune@imperial.ac.uk
Aoiki-Kinoshita, Kiyoko	Soka University, Tokyo, Japan	kkiyoko@soka.ac.jp
Campbell, Matthew	Macquarie University, Sydney, Australia	matthew.campbell@mq.edu.au
Costello, Catherine	Boston University, USA	cecmsms@bu.edu
Feizi, Ten	Imperial College London, UK	t.feizi@imperial.ac.uk
Karlsson, Niclas	University of Gothenburg, Sweden	niclas.karlsson@medkem.gu.se
Kettner, Carsten	Beilstein-Institut, Frankfurt, Germany	ckettner@beilstein-institut.de
Khoo, Kay-Hooy	Academia Sinica, Taipeh, Taiwan	kkhoo@gate.sinica.edu.tw
Kolarich, Daniel	Griffith University, Goldcoast, Australia	d.kolarich@griffith.edu.au
Lisacek, Frédérque	Swiss Institute of Bio-informatics, Geneva, Switzerland	frederique.lisacek@isb-sib.ch
Liu, Yan	Imperial College London, UK	yan.liu2@imperial.ac.uk
Packer, Nicolle	Macquarie University, Sydney, Australia	nicki.packer@mq.edu.au
Paulson, James C.	The Scripps Research Institute, La Jolla, CA, USA	jpaulson@scripps.edu
Ranzinger, René	University of Georgia, Athens, USA	rene@ccrc.uga.edu
Rapp, Erdmann	MPI for Dynamics of Complex Technical Systems, Magdeburg, Germany	rapp@mpi-magdeburg.mpg.de
Rojas, Miguel	University of Gothenburg, Sweden	miguel@snt.se
Rudd, Pauline M.	NIBRT, Dublin, Ireland	pauline.rudd@nibr.ie
Struwe, Weston	University of Oxford, UK	weston.struwe@chem.ox.ac.uk
York, Will	University of Georgia, Athens, GA, USA	will@ccrc.uga.edu



Absent, unfortunately

- Sanjay Agravat, Emory University, Atlanta, GA, USA
- Anne Dell, Imperial College London, UK
- Stuart Haslam, Imperial College London, UK
- Milos Novotny, Indiana University, Bloomington, IN, USA
- Ryan McBride, The Scripps Research Institute, La Jolla, CA, USA
- David Smith, Emory University, Atlanta, GA, USA
- Michael Tiemeyer, University of Georgia, Athens, GA, USA
- Lance Wells, University of Georgia, Athens, GA, USA
- Joseph Zaia, Boston University, USA



Program

Monday, 12 June

09:00 Welcome and Opening, Objectives of the meeting, Approval of the agenda

Carsten Kettner

09:30 Reconciliation of milestones and tasks as negotiated in Sapporo

- Status on review of MS guidelines
- Excel implementation for MS guidelines
- Status Standard file format for MS guidelines
- Review of guidelines in progress (CE and LC guidelines)
- Status and success of outreach strategy and material (one slide, poster, flyer, Meeting reports, Youtube videos, publications, vendor contact, journal contact)

Carsten Kettner

10.30 Adopting guidelines in glycomics databases and software tools

- Current status (e.g. Unicarb-DB, GRITS Toolbox)
- Potential collaborators
- Standalone web application to create guideline conform datasets

René Ranzinger

11.30 Strategy for improving the adoption of guidelines in databases and software tools (potential funding mechanism)

Breakout group discussion

12.30 Lunch

13.30 Strategy for improving the adoption of guidelines in databases and software tools (potential funding mechanism)

Report by reporter + Milestone planning

14.30 Guidelines for Lectin interactions – open discussion

- Creation of working group
- Difference and overlap with glycan array guidelines



- Compile list of external experts for review of guidelines

Will York

16:00 General Discussion:

- Next meeting – in conjunction with Warren Workshop 2018?
- Milestones for 2017/2018

Carsten Kettner, René Ranzinger, Will York

17:00 Conclusions and Close

Carsten Kettner

19:30 Welcome Reception for Beilstein Glyco-Bioinformatics Symposium



Results

(bold printed: agreed decisions and responsibilities)

Session 1 – Review Sapporo milestone

CE guidelines

- Table is done
- Manuscript is missing
- Join with LC? (separation guideline)

LC guidelines

- Join with CE (separation guidelines)
- Table is done
- First version of the manuscript with Daniel
- Circulation in larger group? Yes
 - End of the year, maybe Fall
 - Put draft on MIRAGE webpage / Twitter
 - SFG/CFG mailing list (link to the draft on MIRAGE webpage)
 - “I am sending this on behalf of MIRAGE. The new MIRAGE guidelines are available on (like an announcement)”
 - Ask specific question to get feedback “Are these guidelines sufficient”, “Are they minimal/practical”

MS type specific guidelines generated from Kiyokos script on the MIRAGE webpage

Breakout group discussion

Group 4

- Prioritize user friendly template for authors to submit data for guidelines
- All reports look the same
- Templates will make it easier after the first setup



- Initially things can be filled manually and later this can be automated (extraction from data files) later we can create more sophisticated tools
- Template may need to contain more than one guidelines (MS + sample prep.)
- Tools to generate the templates (Kiyoko, Yan)
- Need community consensus on a template/report format
- Once this templates are accepted ask journal to recommend/require reports
- Report could substitute M&M in paper
- If you publish several samples in one paper, do you need the template per sample?

Group 3

- How to get it out
 - Journal - Editors
 - Reviewer - Checklist
 - Scientist
- Whats the benefit
 - Editors – facilitate editing
 - Reviewer – facilitate review
 - Scientist – easier to publish
- Editors
 - Contact editors individually
 - Easy to use
 - Web form
 - Generate Supplementary PDF
- Promotion
 - Lead by example
 - Poster/handout @ conferences
 - DB of MIRAGE compliant papers
 - pptx slide – downloadable form HP
 - MIRAGE SEAL logo



- **Kiyoko**
 - **Web app for MS checklist generator and template generator**
 - **Select type of experiment**
 - **Tick all boxes**
 - **Get PDF**
 - **Will be on MIRAGE website**
- **Weston**
 - **Sample prep Excel template**

Group 2

- Training courses
- Journal implementation (senior scientists should contact journals)
- Use them ourselves
- Guidelines need to be minimized
- Easy to use
- Promotion slide
- Case studies (Good & Bad)
- Adaption will improve quality of data
- Store raw data
 - Can it be mined?
 - Data formats
- We need clarity of terms
- **One announcement slide – Ten, Daniel**

Group 1

- Identify high impact publication before publication and asked them to make it MIRAGE compliant
- Approach Journal
- Display the use of guidelines by applying MIRAGE settings of one lab in another lab



- MIRAGE data repository (MIRAGE data for “Big Data”)
- **All**
 - **Provide example papers/supplementary information**
- **Frederique**
 - **Wikipedia site**
- **Carsten**
 - **Poster**

New Guidelines – Lectin interactions

- Are lectin array covered by glycan array
- Other ways to detect lectin interaction
 - Elisa
 - NMR
 - Histology
 - Lectin columns
- Rather go for a NMR guidelines => no
 - Add another NMR person?
 - **Ask Thomas Peters to see if it worth it?**
- (Ten) for NMR it might be worthwhile creating reference datasets
- Guidelines for standards?
 - It's not our tasks to tell people how QC should be done
 - We cannot ask companies to give out trade secrets
- **MS guidelines 2.0 should check if glycopeptide and intact glycoproteins are covered**
 - **Cathy**
 - **Daniel**
 - **Niclas**



General discussion

- First Skype meeting end of September – after HUPO?
 - Minutes need to be shared
 - Afterwards every 2 months
- MS subgroup will organize themselves
- Warren Workshop 2018
 - August 14-17, 2018
- **Tuesday August 14th next MIRAGE meeting**