

Second Warren Workshop on Glycoconjugate Analysis

Closing Session
Saturday, July 12

Second Warren Workshop
July 2008

- VNR will prepare meeting summary report to be posted on web site
- Kelley will forward brief note with link to society
- Editorial/letter to Glycobiology summarizing meeting and “to do” list, and highlight the goal of standards meeting at November meeting
- Letter needs to be to Ron Schnaar by August 1
- Find specific time for session during Glycobiology meeting- talk to program chair
- Outcomes from first meeting
 - What was a high priority but went nowhere?
- Analytical rigor/consistency for validation of methods
- Synthetic standards
 - Engage synthetic chemistry community- repository or source of standards
 - CFG synthesis for glycan array, 0.5mg set aside for MS standards, ~30 cmpds so far, NMR & MS spectra
 - ~20 N-linked glycans synthesized from egg yolk glycan, red-term Asn
 - List of available standard glycans will be posted on CGF web
 - Additional suggestions/requests welcome
 - NMR and/or Methylation analysis of structures- NIH support for CCRC work?
 - Deposit analytical results to CFG database
 - Point person: Lance Wells

- Synthetic standards (continue)
 - Cross-platform comparisons, methods development
 - Acquire data with protocols that can be shared; assure data can be deposited in databases, Post detailed protocols with spectral data
 - See above- Lance will coordinate distribution to participating labs
 - First effort: MS/MS, MSn of glycans
 - Knowledgebase of protocols
 - CFG Nature Networks (one on Analytical issues- Tiemeyer) – use this?
 - » Discussion threads, post protocols, attachments
 - Authentic standards versus authentic spectra of biologics
 - Just as reproducible as spectra of synthetic materials
 - DB to post data to: EuroCarbDB, NCGG(Indiana), CFG
- Standards for Data Sharing and Reporting Structures
 - Roles of community, journals, funding agencies
 - Next steps: who, what, when
 - Need a meeting, Glycobiology 2008- Thurs evening?
 - Letter with outline and invitation to participate
 - Journal editors
 - Dr. Zaia, Steve Levery, Vern Reinhold, Lance Wells, Niclas Karlsson
- Structure database effort
 - Leadership- group needs to maintain broad focus, many changes pending next months
 - Will York is serving as a primary contact to keep group in contact;
 - Goals
 - Funding

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July 2006

- Move toward consensus on data sharing format(s)
- Repository for data
- Identification of bottlenecks in HTP analysis
- Workshop information dissemination and recommendations
- Email list for glyco-informatics
- Format for future meetings