

**Monthly PEG (P01HL107153) Meeting Minutes**

**February 3, 2012**

**9:00 -10:30 AM ❖ 515 WBSB**

**Attending:** J. Hart, N. Zachara, J. van Eyk, D. Graham, H. Zhang, N. Faraday, S. Chatterjee, K. Yarema, D. Kass, D. Bedja, N. Peters

**Absent:** A. Bush, N. Paolucci

**Inter-PEG Meeting March 15<sup>th</sup> in San Diego**

Dr. Hart began the meeting discussing the Inter-PEG Meeting March 15<sup>th</sup> in San Diego. See attached agenda #1 for outline. He also encouraged everyone to attend the Glyco Symposium March 16<sup>th</sup> -17<sup>th</sup> in San Diego.

**Progress Report for Year 1 is due 04/01/2012 – Need info by March 15<sup>th</sup>!**

See attached agenda #2 for specific items discussed. Natalie will email the guidelines and the required documents the week of February 6, 2012.

**Introduction to Glycobiology Course**

There will be three Glycobiology courses offered: 1) Introduction to Glycobiology (offered every spring); 2) Fundamentals in Glycobiology (offered every other fall, starting in 2012); and 3) Techniques in Glycobiology (offered every other fall, starting in 2013). Introductory Glycobiology will be given by Drs. Schnaar, Hart and Zachara. There will be 11 90-minute lectures starting March 13, 2012 to be held in 612 Physiology Bldg at 9 a.m. Graduate students will be able to get a letter grade, as it is a BCMB elective. However, anyone can take this course. Any pre- or post-doctoral fellow working on the PEG project is required to attend the classes. There will be a 2<sup>nd</sup> didactic course, Fundamentals in Glycobiology, offered in the fall of 2012 to be held in Physiology 612. This course will run every other year. The third course “Techniques in Glycobiology” will consist of a lecture portion to be held in Physiology 612 and a lab portion to be held in Hunterian 411. The latter is lab space in the Department of Biological Chemistry that has been set aside for the lab course. The lecture portion will be presented in the beginning of the week and the lab portion later in the week. Dr. Zachara suggested the group gather supplies and equipment to be stored in 411 Hunterian.

**Fundamentals Course.**

Dr. Zachara is currently working with the Registrar’s Office to create a course number. This course will be held in 612 Physiology in August, September and October. The lecture portion is open to anyone. The lab portion is for people from Dr. Hart’s PEG, Dr. Schnaar’s PEG and then all others.

**The Skills Course**

Dr. Zachara would like to get tissues from real cell or tissue models of disease such as cardiomyocytes from diabetic rodents.

This course is a 10-week course.

## **Website**

All teaching material will be on the web.

Dr. Zachara requested information for the PEG website. Some ideas were news, photos/description of postdoctoral fellows and students working on the PEG, findings, publications, scientific photos, standard protocols, new reagents, and any related links. She would like this information by the 1<sup>st</sup> of April. A group picture, to be posted on the web, will be taken of PEG members at the next meeting.

## **Glyco-Cardio Fellowship.**

Three applications were received for one slot and are now being reviewed by faculty not working on the PEG. Selection will be made by our internal advisory committee (M. Weisfeldt, L. King & S. Desiderio). The fellow would be funded for 3 years starting March 1, 2012.

## **Outside Advisory Panel**

Dr. Hart reminded the group that an Outside Advisory Panel would review the PEG. No more than 3 people should be recruited. Possible candidates discussed were Richard Shannon, Cathy Costello and Allen Shindler. PI's were encouraged to email Dr. Hart with other possible candidates.

## **Retreat**

A Retreat will be held at Mt. Washington, possibly in the fall. Included in this Retreat is the Outside Advisory Panel, Internal Committee and everyone involved in the PEG. Postdocs will present posters and talks. The Retreat is meant to strategize on what we are working on. A report will be sent to the NHLBI.

## **Monthly Meetings Format**

The monthly meetings will focus on science. One Project and one Core will present data. The meetings will last about 1.5 hours and will be held in 612 Physiology Bldg. ***The next meeting will feature Project 1 and Core C1A & Core C1B.*** Doodle polls will be used to schedule these meetings. Again, everyone working on the PEG should come to the monthly meetings.

**Budget spending:** It was encouraged that people do not carry over more than 10% of their budgets. Natalie will monitor on a monthly basis.

**Publication Acknowledgements:** Each publication, press release or other document that cites results from NIH grant-supported research must include an acknowledgement of NIH grant support and disclaimer such as *"The project described was supported by Award Number P01HL107153 from the National Heart, Lung and Blood Institute. The content is solely the responsibility of the authors and does not necessarily represent the official views of the National Heart, Lung and Blood Institute or the National Institutes of Health."*

**Agenda**  
**NHLBI PEG Meeting**  
**February 3, 2012, Room WBSB 515**  
**9:00-10:30**

**1. Inter-PEG Meeting March 15<sup>th</sup> in San Diego**

- a. Complete list of attendees – Completed spreadsheet (Natalie)
- b. Our PEG Presentation – 1 hour
  - i. ~10 min Intro – Hart
  - i. 5-7 minutes each project – 2 Big Picture Slides, Progress, 2 min questions
    1. If you are not attending – Prepare slides ahead of time for Hart to present.
  - ii. Education Report – 2-3 slides – Natasha
  - iii. Poster for our Cores – Give powerpoints to Natasha and she will make a single poster for our Cores. Each Core = ¼ poster.
  - iv. Plan a dinner for trainees only.
- c. All presentations should be on one computer or stick to avoid time delays between talks.
- d. Turn in travel expenses to Natalie. Original receipts required.

**2. Progress Report for Year 1 is due 04/01/2012 – Need info by March 15<sup>th</sup>!**

1. Each Project submits a 2 page progress report addressing:
  - Specific Aims
  - Studies and Results
  - Significance
  - Plans
  - Publications
  - Project-Generated Resources
2. Each Core submits ~1 page progress report addressing the above and how you are benefiting from the PEG.
3. Detail budget and budget justification
4. Biographical Sketch (for new senior/key personnel only)
5. Other Support for key personnel (active support only)
6. All Personnel Report
7. Natalie will email each PI and their assistant's guidelines to follow and forms to use.
8. **All documents need to be returned to Natalie no later than March 15<sup>th</sup>.**

**3. Introduction to Glycobiology Course – All trainees funded by NHLBI are required to attend. Faculty should try to attend. Location & Time:**

Each cell carries a rich and varied sugar coating - its "glycocalyx". From microbial pathogenesis to axon regeneration, the cell's sugar coating is intimately involved in cell-cell recognition. In addition, sugars constitute the extracellular matrix, regulate glycoprotein folding, distribution and function, and regulate intracellular proteins in a dynamic regulatory system akin to phosphorylation. Glycobiology, the discipline that explores the functions of sugars, is rapidly emerging as the next growth area in understanding molecular structure-function relationships beyond the genome and proteome. This course will introduce you to the discipline, its structural diversity, and its functional implications.

<b>DATE</b>		<b>LECTURE</b>	<b>FACULTY</b>
Mar 13	TUE	The Glyco World	Dr. R. Schnaar
Mar 15	THU	Saccharides, glycosides, and glycans	Dr. Y.C. Lee
Mar 19	MON	Glycoproteins I - O-linked Glycans	Dr. N. Zachara
Mar 21	WED	Glycoproteins II - N-linked Glycans	Dr. N. Zachara
Mar 23	FRI	O-GlcNAc	Dr. G. Hart
Mar 27	TUE	Glycan binding proteins I	Dr. R. Schnaar
Mar 29	THU	Glycolipids and GPI anchors	Dr. R. Schnaar
Apr 2	MON	Hyaluronan and Proteoglycans	Dr. N. Zachara
Apr 4	WED	Glycan binding proteins II	Dr. R. Schnaar
Apr 6	FRI	Glycans and Disease	Dr. G. Hart
Apr 10	TUE	Glycomics (Analytical Glycobiology)	Dr. G. Hart

**All Lectures and Powerpoint Slides will be put on the Web Site.**

- 4. Plans for the Advanced Courses – See Handouts.**
- 5. Materials for Our Web Site – Prior to April 1<sup>st</sup> –** Likely will be reviewed by NHLBI and Steering Committee prior to 2<sup>nd</sup> year funding.
- 6. GCF Fellowship – Only received 3 applications – Need more next year, encourage your clinical colleagues. 2012 Fellow starts in March**
- 7. Outside Advisory Panel – 3 people?**
- 8. Monthly Meetings – Science!!** Done by Doodle Polls. One more before San Diego?

**Feb. 27, 28, March 6, 12? – 9 a.m.**