

## Biotech Advisory Committee Meeting Minutes

Monday, September 30, 2013 4:30pm – 6:00pm

University of Washington, Foege Building, S110

- Call to order by Maureen Munn at 4:30
- Introductions and attendance - please see sign in sheet
- Approval of minutes of June 3, 2013. Moved to approve by Rita Smith and seconded by Jenn Pang.
- Our next meetings are scheduled for:
  - Mon, November 25
  - Mon, March 3
  - Mon, May 19
- Discussion of the 2014 BioExpo included concerns about timing in regard to AP testing week, a venue with the ability to accommodate nearly 400 students, and cost. Jenn Pang and Adrienne Houck will further investigate options. Currently, the BioExpo is scheduled for May 6 at the UW Hub.
- Announcements:
  - The new Amgen Bruce Wallace Curriculum will be out the first week of October. The documents will be accessible via the SCC website. Trainings will be held in December, February, and June. Dates will be announced soon. Contact Adrienne Houck for details.
  - ISB will be releasing Ocean Acidification lessons this week. Photometers will be available for classrooms. Murdock is looking for more teacher participants. Contact Dina Kovarik for more information or visit the ISB website: <http://baliga.systemsbiology.net>
  - Maureen Munn is the recipient of The Science Prize for inquiry-based instruction of the Exploring Databases curriculum. There is an article about Maureen and her project in the July 27, 2013 issue of Science. Congratulations!
  - BioExpo will likely continue with a dedicated support person to oversee the program. Changes for 2014 will include only having veteran teachers participate during this transitional year. There will be no mentors provided for student support. Jenn Pang will continue to volunteer to support the BioExpo. She requests recommendations for candidates for a BioExpo coordinator and NWABR website coordinator.
  - Life Science Research Discovery weekend at Pacific Science Center Nov 1-3.
  - Science on Stage Oct 5, 12, 13 – a staged reading of the sequencing of the human genome
- Jan Chalupny, Amgen, presented *Taking a BiTE Out of Cancer*. Contact Jan if you'd like help with finding resources to set up a student slide set. Included in Jan's presentation was:
  - Antibody/Immunoglobulin refresher and history
  - Hybridoma Technology and Monoconal Antibodies
  - Therapeutic Antibody Technology
  - BiTE consists of two variable regions, one specific for CD3 (a T cell marker) and one specific for a tumor cell target. The two variable regions are hooked together by a linker.
  - Bi-specific T cell Engager (BiTE®) binds to T Cell and to the target antigen of interest, causing T Cell stimulation and lysis of tumor target, removes need for antigen specificity, any T Cell can be recruited
  - BiTE Technology Development
  - Short half-life requires use of pump for continuous dosing or development of modified molecules for longer half-lives
  - Blinatumomab (anti-CD19/anti-CD3) is in Phase 2 Clinical Trials for B cell cancers (CD19 is a B cell marker), low side effects, testing for activation of patient T Cells, efficacy and longevity
  - BiTE applications may also include therapy for infectious disease, inflammation etc.