

## General Meeting

10/17/07

Began at 6:30pm, ended at 7:20pm

71 people in attendance

1. Pre-meeting
  - Free soda and Gumby's pizza served
  - Sign up sheets for events available
2. President announcements - Nina
  - BMES beat IIE in capture the flag!
3. Social Chair announcements – Ben
  - Trip to a Haunted Forest on Friday
  - We won one volleyball game in the last match
4. Outreach chair announcements - Emily
  - Salvation Army Thurs, Oct 25<sup>th</sup> 6:30-8:30pm. Must have attended orientation to participate. Upcoming orientations on Nov 13 & 15, e-mail Laura Bagley at [lbagley@wisc.edu](mailto:lbagley@wisc.edu) to sign up.
  - Trick or Treat for canned goods on Halloween. Help drop off flyers Mon, Oct 29<sup>th</sup>. E-mail Emily at [eeandrews@wisc.edu](mailto:eeandrews@wisc.edu) to sign up.
  - Habitat for Humanity in Madison has a last minute opening for this Saturday, e-mail Emily if interested.
5. CRUISE chair announcements - Amy
  - Study night and mentor match-up Mon, Oct 22<sup>nd</sup> at 7:00pm in 1045 ECB
6. President announcements, cont. - Nina
  - Demonstrated how to navigate to the Google calendar on the UW BMES website – click on the “meetings” tab
  - Top 2 attendance point winners got candy
  - New BMES t-shirts will be in next Wed.
  - Next general meeting Wed, Oct 31<sup>st</sup> at 6:30pm – Kaplan speaker and CRUISE pumpkin carving contest
7. Speaker – Bill King from Murphy's Lab
  - 3<sup>rd</sup> year graduate student in BME department
  - Murphy's lab uses materials that talk to cells and tell them what to become, at the same time the cells report on what they're becoming
  - Developing hydrogel arrays for stem cell survival
  - Hydrogel arrays pursued, material properties are characterized, then cells are cultured on these arrays
    - \* cells cultured include human embryonic stem cells and mesenchymal stem cells (can become bone or cartilage)
  - Hypothesis – increase polymer/network to increase stem cell survival and decrease

diffusion

- Proving that barrier formed by interpenetrating network around stem cells increases survival
- There's much more to learn because so many factors lead to the variation in results
- E-mail Bill King at [wjking@wisc.edu](mailto:wjking@wisc.edu) with questions or for more information