NOBCChE February General Body Meeting

Thursday, February 03, 2011

4:00 p.m. Marker Seminar Room, Chem 0112

- Dues- $10 for undergrads/ $20 for grads for the year
  - See Alicia
- Science Fair Judges/ Tutoring volunteers
  - Northwestern High School on Feb. 10th from 9a.m. -12p.m.
  - McFarland Middles School on Feb. 16th from 8:30a.m.-11:30a.m.
  - Tutoring will be done by appointment this semester. Please contact Floyd if you’re interested in tutoring
- Spring Fundraiser (Raffle tickets)
  - 8GB Ipod touch

- Professional Development Series – Any ideas are welcomed!
  - How to give a presentation– Dr. Isaacs on Feb. 3rd
  - Manuscript Writing-Dr. Fourkas on March 2nd
  - Dr. Paula Hammond will come to speak this semester
    - Date- Tentative
- NOBCChE travel awards
  - April 19th-22nd
- Upcoming events
  - Faculty Candidate Seminar
    - “An Overview of Nuclear Forensics” by Dr. Albert Fahey of NIST on Feb. 7th at 3p.m. in the Marker Seminar Room
  - The Chemical Society of Washington presents their 1100th Dinner Meeting
    - Thursday, February 10, 2011 in UMD Chemistry BLDG. College Park, MD
    - Featured Speaker: Dr. W. Jefferey Hurst of the Hershey Company on “Chocolate Archaeology”
    - Must RSVP by Feb. 7th at 12p.m. (You don’t have to be a member!)
  - The Department of Chemistry & Biochemistry presents Nobel Prize Winner in Chemistry Richard Schrock of MIT
    - “The Development of MAP Olefin Metathesis and Applications in Organic and Polymer Chemistry” on Feb. 11th at 3p.m. in the Marker Seminar Room
  - Alternative Careers in Chemistry
    - D.C. Metro Chapter Science Café
      - Dr. Yaw Obeng of NIST on Feb. 24th at 6:30p.m. in the Marker Seminar Room
NOBCChE & A. James Clark school of Engineering presents Dr. Paula Hammond of MIT- April 8, 2011

- Macromolecular design and synthesis; Directed assembly using surface template; Nanoscale design of biomaterials; Block copolymers, asymmetric morphologies; Liquid crystalline polymeric materials

NOBCChE & The Department of Chemistry and Biochemistry presents Dr. Isaiah Warner of LSU- date TBD

- Involves fundamental studies in bioanalytical chemistry as well as the development and application of new methods (chemical, instrumental and mathematical), for analytical measurements of complex systems with emphasis on environmental analyses

2011 ACS Mid-Atlantic Regional Meeting
- May 21-24
- Presenters needed
- Assisting with Registration and the ACS SEED program

**Speaker: Dr. Isaacs, How to give a presentation**

- **Basic Guidelines of preparing a presentation**
  - Decipher what was interesting and what was bad about previous seen presentations and incorporate that into your talk
  - Consider audience and the level of talk that should be given
  - Get point across quickly to avoid going over time
  - Start explaining your project broadly to draw people in then go into detail after gaining your audience’s attention
  - Pick one point that you want to get across and tell it multiple times
  - Presentations should not be very wordy
  - Have a clear and concise conclusion
  - Acknowledgements are a staple that should always be included in scientific presentations
  - Don’t go overboard with graphics
  - Eye contact with your audience and excitement on the subject is necessary to get point across
  - In dealing with interruptions:
    - Deflect in a nice manner
  - Dealing with uninterested people:
    - Ask questions to engage audience members in the talk
  - Show competence, mastery, and importance of your role in the work being presented
  - Design talk to lead people to areas of strengths
  - Practice first 5 slides verbatim to gain confidence when giving presentation to audience but being too rehearsed can be a bad thing

- **Goals for important talks in graduate school careers:**
  - **Candidacy:**
    - Show a deep understanding of the topic
    - Show level of education in field of interest
• Show progress in research
  o Literature:
    ▪ Demonstrate that you know background information of selected topic
    ▪ Demonstrate creative abilities
  o Ph. D exam
    ▪ Show expertise in the area
    ▪ Prove that you have done and interpret all data correctly

Organizing presentation
  • 3 things to consider when organizing a talk:
    o Type of talk
    o Nature of talk
    o Time allowed
  • Fitting times
    o 10-15 min talks
      ▪ Give a quick introduction then give key results and experiments to back it up
    o 15-20 min talks
      ▪ Give a longer introduction but not an outline. There should be more details given and a complete wrap up of the presentation
    o 20-30 min talks
      ▪ Give the complete story with examples and a full introduction, then give a full wrap up and future prospects
    o >30 min talks
      ▪ Similar to 20-30 min talks but previous works can be added to beef up presentation
    o Further timing advice
      ▪ 1.5 min per slide
      ▪ Do not put more than one idea on each slide
      ▪ Fewer the slides the better but avoid overcrowding
  • Formatting slides
    o Visual cues help to remind what slides are explaining
    o Landscape format is standard
    o Use empty space effectively like to separate ideas
    o Stay to standard format to not draw attention away from presentation
    o Use easy to see color combinations
    o Present figures in easiest format
    o Font should be ~18-20
    o Make sure pictures are of scale beforehand and avoid stretching pictures
    o Do not overload with equations
    o Text should be well spaced and use sans serif fonts only
    o Use consistent page layouts
    o Don’t overuse slide transitions and when using transitions use them with purpose
    o Always proof read (spell check)
    o Transfer videos used in presentation to computer being used to give presentation to avoid problems