



*Date - October 6, 2021*

*Meeting Start Time: 7:17pm*

Attendance: Allison Tulino, Victoria Munoz, Viktoria Kirschnerova, Calista Halim, Natalya Stanistic, Anika Arias, Julian Herrera, Samantha Weidman, Dr. Chad Park, Cristian Gabriel Chavira

### Journal Club

1. First Journal Club meeting presented by VP Victoria Munoz
  - a. Article: Infrared Fingerprint Engineering: A Molecular-Design Approach to Long-Wave Infrared Transparency with Polymeric Materials
2. Defining Definitions
  - a. Sigma Aldrich cheat sheet on reading IR spectra:  
<https://www.sigmaaldrich.com/US/en/technical-documents/technical-article/analytical-chemistry/photometry-and-reflectometry/ir-spectrum-table>
  - b. Aromatic - benzene related (circular):  
[https://chem.libretexts.org/Bookshelves/Organic\\_Chemistry/Supplemental\\_Modules\\_%28Organic\\_Chemistry%29/Arenes/Properties\\_of\\_Arenes/Aromaticity/What\\_does\\_aromatic\\_really\\_mean](https://chem.libretexts.org/Bookshelves/Organic_Chemistry/Supplemental_Modules_%28Organic_Chemistry%29/Arenes/Properties_of_Arenes/Aromaticity/What_does_aromatic_really_mean)
  - c. Catalyst = speeds up reaction
  - d. Sterics = refer to legos “bulkiness”
  - e. Dipole moments: <https://www.vedantu.com/chemistry/dipole-moment>
  - f. Refractive index: <https://www.britannica.com/science/refractive-index>
  - g. IR spectrometry Crash Course: <https://www.youtube.com/watch?v=xMa1BQ8z9C0>
  - h. Polymers:
    - i. <https://www.youtube.com/watch?v=rHxxLYzJ8Sw>
    - ii. <https://www.youtube.com/watch?v=XjDDHnByfuo>

### Officer Meeting

3. Next Meeting - Research Q&A

- a. Wednesday, October 13, 2021
  - b. In-person at Dr. Park's lab @7:15pm
  - c. Pizza
4. MCB Club Halloween Officer Meeting
    - a. Wednesday, October 20, 2021 @6:00pm-7:00pm
      - i. <https://arizona.zoom.us/j/84014456196>
      - ii. No meeting this week !
5. MCB Club Halloween collab (movie, volleyball & hang-out)
    - a. Wednesday, October 27, 2021
    - b. Costume Contest
      - i. Prizes - t-shirts & printer cards
6. Dues - October 15th

*Meeting End Time: 8:05pm*

*Officer Meeting Ended: 8:30pm*