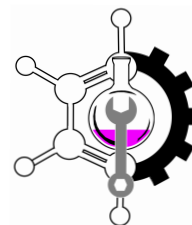


## **The 1<sup>st</sup> Telluride Pictionary Meeting 2014**

This was an excellent first start to creating a community on molecular rotors, motors and switches. We had a kick-off game of chemical Pictionary to get the discussions rolling. Then we congregated around the roadmap to add, modify and sometimes subtract features that will better define our field to better aid our efforts in the literature and in our ability to have this research supported. The evening culminated in a meeting that discussed all these facets giving voice to all perspectives. At the end, we formulated a list of action items.



Please volunteer to help out with one or more of these list items.

Please feel free to make suggestions by modifying the text.

### **Action Items**

1. Molecular Rotors, Motors and Switches, Telluride 2016 to be organized by Ivan Aprahamian and David Amabilino who will together enlist another person most likely from Asia
2. GRC 2015 on Artificial Molecular Switches and Motors to be chaired by Rafal Klajn and Christoph Schalley, and with vice chair Amar Flood
3. Two new prizes to be offered at Telluride to presenters, details to be further confirmed, but suggestion was for one on fundamentals and another on the research taken nearest towards an application. Votes for the award to come from the Telluride participants. The Winning PIs are to name one (and if needed, two) students to join in the prize.
4. Produce a web site that is under our control that links from the Wikipedia page as a place for the roadmap and timelines from, e.g., Stoddart, Feringa and others
5. GRC is a well recognized venue at which to be proactive at inviting funding program managers and editors of journals (Nature Nano, Chem, Mater...others, ACIE Peter Goelitz, JACS Peter Stang, RSC Rob Eagling, biomaterials)
6. Industry connections to be invited to the GRC
7. We need a 2030 vision for a challenge that we can define and meet -- suggestions?
8. Another unifying theme was the idea of "Molecular Materials" that can showcase our efforts at using synthetic and molecular design to control and define the properties of materials from the molecular level, e.g., Ito's polyrotaxanes as healable coatings
9. Make clear points of how we are distinct from traditional materials synthesis by pointing out that we can confer, by molecule design, properties like responsive behaviors etc (add more features to this list)
10. Philip Ball to be invited by Ben Feringa to write up a piece for us
11. C&EN's Beth Halford to be invited to feature our efforts, perhaps after the website is up.
12. Suggestion from Fraser for us to be prolific in writing snappy, scholarly and thoughtful monographs or short textbooks. Suggestions to deliver to the end of such a book some pedagogic teaching materials that could be used by undergrad teachers of upper level organic classes to add content over and above the traditional natural products and med chem drug discovery.
13. Dean Astumian strongly encouraged to write a book for the community and beyond. Dean's Scientific American seen as an excellent model.
14. Executive committee to come from prior and future organizers of Telluride and GRC

Drafted by Amar Flood and reviewed by Ivan Aprahamian, July 4, 2014