**05/01/11**

* Discuss with Wissam about measuring transport properties of these molecules: Seebeck coeff? DOS of SAM (thiols) and compare with bulk gold (bulk CdSe)

**05/03/11**

* Alan meeting:

**05/03/11**

* Jon meeting:

1. People doing SAM DFT research: Jeff Neaton (Lawerence), Queck (used Jon’s data), Steve Louie, Mark Ratner, Nitzan (technion Israel) and Galaparin
2. SAM molecules of interest:
3. Alkanes, saturated bonds insulator
4. Phenalyne-dithiols, Benzene good conductors
5. Dodecane-thiols
6. Fullerne C60, Jon made thermoelectric measurements of these.

**05/15/11**

1. Study acoustic versus diffuse mismatch model.

Website for chemical composition CH3(CH2)n-1SH (C8H18S):

<http://www.sigmaaldrich.com/catalog/ProductDetail.do?lang=en&N4=471836|ALDRICH&N5=SEARCH_CONCAT_PNO|BRAND_KEY&F=SPEC>

http://www.sigmaaldrich.com/catalog/Lookup.do?N5=All&N3=mode+matchpartialmax&N4=octane+thiol&D7=0&D10=octane+thiol&N1=S\_ID&ST=RS&N25=0&F=PR