Genetics & genomics of disease pathway

Pathway components

1. Course, fall of 1st and 2nd years

2. Journal club, spring 1st year, year 2

3. Clinical connections, spring 1st year, year 2

4. Retreat
2. Human Genetics Journal club

- 3:00 on Fridays (usually every other week)
  Biotechnology Bld. 3rd Floor Conference Rm
  Schedule:
  <https://zork5.wustl.edu/hsg/bio5489.html>

- Attend spring year 1
- Attend (for credit) and present in either fall
  or spring, year 2

First date is January 23, at 3:00
3) Clinical connections

a) Attend recurring clinical conferences
   1 per month, Spring yr 1, fall & Spring yr 2

- Genomics Tumor Board
  (Last Thurs each month, 4:00 Erlanger)

- Pediatric Genetics Conference
  (Every Mon, 12:00, Conf Rm A, 9th floor (9A), Northwest Tower)

- Infectious Disease (ID) Genomics seminar
  (1st Fri each month, 12:00, 4th floor Conf Rm, Genome Institute)

You are on the email list for each of these conferences. Each month, email me which Conference you attended.
3) Clinical connections

b) Shadowing a clinician (spring year 1)

Follow a clinician during their practice, which often involves genetically/ genomically based consideration; usually shadow for two sessions.

- List of participating faculty will be posted on the Pathway website, but the list is not all inclusive.

- Contact Chris Gurnett <gurnettc@neuro.wustl.edu> or John Welch <JWELCH@DOM.wustl.edu> to make the initial connection with a clinician. Also contact them with areas of interest and they can provide additional names.
3) Clinical connections

c) Clinical mentored project (summer/year 2) [Optional]
   A circumscribed bioinformatic project carried out with a clinical mentor on a patient case or area of mutual interest.
   The project will provide a student with a more in depth exposure to patient specific data and its analysis, and has the potential to result in novel publishable findings.
   As such projects will usually be unrelated to the students thesis work, they must be limited in duration (up 40 hrs), and thoughtfully chosen in consultation with the clinical mentor, Pathway co-directors and student's thesis mentor.
4) Retreat -- September 17
   - Daniel MacArthur, Keynote speaker
   - Presentation by students on thesis research or on Clinical mentored project