NextGen Sequencing: Genetic Discoveries & Future Technologies
GENET591: IG Workshop 2011
Speaker Information: http://www.genetics.iastate.edu/ws11.html

CLASS DISCUSSION SESSIONS
Wednesdays, beginning Mar 2, 2011 from 3:10 - 4:00 PM in Rm 101, Ind Ed II

Wed Mar 2: ORIENTATION. Meet with instructor, Drena Dobbs, to discuss expectations for course. Students must sign up for a one chalk talk at this time.

Wed Mar 9  Drena Dobbs will lead discussion of Hood papers.
Wed Mar 16  SPRING BREAK – No class
Wed Mar 23  Anne Bronikowski - will lead discussion of Moran papers.
Wed Mar 30  Drena Dobbs - will lead discussion of Bell papers.
Wed Apr 6   Drena Dobbs or Pat Schnable – will lead discussion of Fischhoff papers.
Wed Apr 13  Christy Peterson – will lead discussion of Kanki papers.

SEMINARS & CHALK TALKS  (dates & times in blue font below are subject to change!)

Tues Apr 5  LeRoy Hood, Institute for Systems Biology & Univ of Washington
            5:00 PM Seminar - Sun Room Memorial Union
            "Biology and Medicine: Systems Approaches Transforming Health Care"
            No Chalk Talk
            (host: Srinivas Aluru; student contact: Drena Dobbs)

Mon Apr 18  Nancy Moran, Ecology & Evolution, Yale University
            4:10 PM Seminar - 1414 Molecular Biology
            "Genomics and Evolution of Symbiosis in Insects"

Tues Apr 19 8:00 AM Chalk Talk - Breakfast!  1102 MBB
            (host: Byrony Bonning; student contact: Anne Bronikowski)

Wed Apr 20  Phyllis Kanki, Immunology & Infectious Diseases, Harvard School of Public Health.
            12:00 Noon Seminar -1226 Veterinary Medicine
            "Diversity of the HIV epidemic in Africa: Consequences for AIDS treatment programs"

Wed Apr 20  3:00 PM Chalk Talk - Cookies!  Location TBA
            (host: Christy Peterson; student contact: Christy Peterson)

Tues Apr 26  David Fischhoff, Vice President, Technology Strategy & Development, Monsanto
            4:10 PM Seminar – 1414 Molecular Biology
            Tentative: “Future Technologies for Genomics Research”

Wed Apr 27  12:00 Noon Chalk Talk - Lunch!  Location TBA
            (host: Pat Schnable; student contact: Drena Dobbs)

Thurs Apr 28 Callum Bell, Project Lead, National Center for Genomic Resources
            4:10 PM Seminar – 207 Marston Hall (tentative)
            Tentative: “Testing for Severe Childhood Recessive Diseases by Next-Gen Sequencing

Fri Apr 29  12:00 Noon Chalk Talk – Lunch!  Location TBA
            (host: Drena Dobbs; student contact: Drena Dobbs)

EXPECTATIONS & GRADING
• Students must attend all discussion sessions and read all papers that pertain to that speaker prior to coming to class. The class will be divided into small groups for discussion and will present the results of the discussion to the rest of the class.
• Students who fail to attend discussion sessions must read all papers and write an acceptable 1-page discussion of the major points for each paper. These papers should be submitted to the faculty member listed as “student contact” the speaker.
• Students must attend all speaker seminars and one chalk talk.
• IMPORTANT CHANGE (Mar 9, 2011): This year, IG Workshop lectures will not be recorded. Registered students who must miss a speaker’s seminar will no longer have the option of watching a DVD recording of the talk and submitting a 1-page paper. STUDENTS ARE STRONGLY ADVISED NOT TO MISS A SEMINAR! The faculty member listed above as “student contact” will define the requirements for makeup work.