



Human genomics in medicine and public health PHC 6601

(3 cr, Tuesdays 5:00-7:45pm)

The USF College of Public Health and Morsani College of Medicine are offering for the fourth time in Fall 2017, a human genomics course.

A course in college biology is the only prerequisite

Course Syllabus

Instructional Staff

- + Course Directors, **Michael White**, PhD and **Judith Ranells**, MD have >50 years combined experience in genomics and clinical genetics.
- + **Rays Jiang**, PhD formerly of the Broad Institute at Harvard is leading the new bioinformatics center at USF CPH
- + **Kathleen Pope**, MD, USF Clinical Geneticist in Pediatrics Division of Genetics
- + **Jamie Teer**, PhD, formerly of the Human Genome Institute at NIH is leading new biostatistics and bioinformatics efforts at Moffitt.
- + **Deborah Cragun**, PhD/CGC is on the front lines of clinical genetic/genomics as the Director of the new USF MSPH degree in Genetic Counseling

- + The human chromosome landscape
- + Mutations and protein shape
- + Reaching the \$1,000 genome
- + Genomics for babies and mothers
- + Genome impacts on adult health decisions
- + Sequencing your genome in the doctors office?
- + Environmental risks to genome stability
- + Privacy and health disparity in the new era of personalized medicine
- + Student discussions on the genetic basis of human disease

Read what students say about the course

“Outstanding. Thank all the teachers for sharing the tremendous volume of knowledge in a concise, comprehensible form.”

“I liked the small size of the class, it was perfect in that it allowed for discussion and was more interactive than is typical in larger class settings.”

“Overall I learned a lot (I would say a lot more than I have in other classes at USF), I liked the semester project, the topics were interesting and many of the presenters were very enthusiastic about what they were discussing. I would recommend this class to other students.”

Questions? Please contact course Directors:

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