**Undergrad Summer Class BIOL421 (3 credits)** **[](http://www.inova.org/)**

**Genetics of Human Diseases**

**(Dr. Baranova)**

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| **4 pm - 6:40 pm** | **M**  **WF** | **EAST 122** |

**Session A**

**The first section will refresh student’s understanding basic genetic concepts (mutations, chromosome behavior, inheritance patterns)**

**using the examples of Chronic Human Disease.**

**The second section will guide students through special human genetic examples: Birth Defects, Cancer Predisposition, Personalized Genomics.**

**Last but not least, genetic screening programs and principles of genetic counseling will be reviewed.**

**This course is great for pre-med and pre-dental students.**

**Students from other programs are welcome as well**

