List of Projects for 1st level students (5+2 program) Module 2

Biochemistry and Basics of genetics (Student choose only one research title)

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| Research title | Outlines |
| 1. Diseases caused by abnormal protein structure
 | Definition of proteinsGeneral structureClassificationLevels of protein structureProtein folding Effect of unfolded proteins and mutated proteins on health. |
| 1. Defective DNA repair system and relation to cancer.
 | Definition of repairTypes of repair systemTypes of DNA repair system defectsClinical correlation of defective repair systems |
| 1. Recombinant DNA technology
 | DefinitionBiomedical importanceTypes and techniquesDiscuss basis of different methods including gene cloning, sequencing and blotting techniques and their implications in diagnosis of different diseases. |
| 1. Carbohydrates, lipids and proteins and their implications on health
 | Define these macromoleculesDemonstrate their classifications and different type.Discuss their biomedical importance and charactersDiseases related to their imbalance. |

**Good Luck**