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 proteins  General structure  Classification  Levels of protein structure  Protein folding  Effect of unfolded proteins and mutated proteins on health. |
| 1. Defective DNA repair system and relation to cancer. | Definition of repair  Types of repair system  Types of DNA repair system defects  Clinical correlation of defective repair systems |
| 1. Recombinant DNA technology | Definition  Biomedical importance  Types and techniques  Discuss 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 macromolecules  Demonstrate their classifications and different type.  Discuss their biomedical importance and characters  Diseases related to their imbalance. |

**Good Luck**