

## قائمة بعناوين الابحاث المطلوبة من الطلاب والخاصة بقسم الفيروسولوجيا

الابحاث المطلوبة من طلاب الفرقة الثانية لبرنامج جودة ومراقبة الاغذية والخاصة بمقرر الفيروسولوجي الخاص:

1- Full assay on family Orthomyxoviridae , involves general properties, structural morphology, viral genome and genomic organization, viral proteins, physical properties( shape, size,) chemical properties (viral proteins, capsid, envelope also Antigenic property, Haemagglutination property, lab. diagnosis of one virus of this family.

2- Full assay on family Paramyxoviridae , involves general properties, structural morphology, viral genome and genomic organization, viral proteins, physical properties( shape, size,) chemical properties (viral proteins, capsid, envelope also Antigenic property, Haemagglutination property, lab. diagnosis of one virus of this family.

3- Full assay on family Picornaviridae , involves general properties, structural morphology, viral genome and genomic organization, viral proteins, physical properties (shape, size,) chemical properties (viral proteins, capsid also Antigenic property, Haemagglutination property, lab. diagnosis of one virus of this family.

4- Full assay on family Coronaviridae , involves general properties, structural morphology, viral genome and genomic organization, viral proteins, physical properties (shape, size,) chemical properties (viral proteins, capsid, envelope also Antigenic property, Haemagglutination property, lab. diagnosis of one virus of this family.

5- Full assay on family Birnaviridae , involves general properties, structural morphology, viral genome and genomic organization, viral proteins, physical properties (shape, size,) chemical properties (viral proteins, capsid also Antigenic property, Haemagglutination property, lab. diagnosis of one virus of this family.

6- Full assay on family Flaviviridae , involves general properties, structural morphology, viral genome and genomic organization, viral proteins,

physical properties (shape, size,) chemical properties (viral proteins, capsid, envelope also Antigenic property, Haemagglutination property, lab. diagnosis of one virus of this family.

7- Full assay on family Herpesviridae , involves general properties, structural morphology, viral genome and genomic organization, viral proteins, physical properties (shape, size,) chemical properties (viral proteins, capsid, envelope also Antigenic property, Haemagglutination property, lab. diagnosis of one virus of this family.

8- Full assay on family Poxviridae , involves general properties, structural morphology, viral genome and genomic organization, viral proteins, physical properties (shape, size,) chemical properties (viral proteins, capsid, envelope also Antigenic property, Haemagglutination property, lab. diagnosis of one virus of this family.

9- Full assay on family Rhabdoviridae , involves general properties, structural morphology, viral genome and genomic organization, viral proteins, physical properties (shape, size,) chemical properties (viral proteins, capsid, envelope also Antigenic property, Haemagglutination property, lab. diagnosis of one virus of this family.

10- Full assay on family Reoviridae , involves general properties, structural morphology, viral genome and genomic organization, viral proteins, physical properties (shape, size,) chemical properties (viral proteins, capsid, envelope also Antigenic property, lab. diagnosis of one virus of this family.

رابعاً: قائمة بعناوين الابحاث المطلوبة من طلاب الفرقة الثانية لبرنامج جودة ومراقبة الاغذية والخاصة بمقرر الفيروسولوجى العام:

- 1- Full assay on fundamental characters of viruses include physical and chemical properties.
- 2- Full assay on viral haemagglutination include type of haemagglutinating viruses and type of RBCs, elution and haemadsorption.
- 3- Full assay on viral multiplication cycle include all steps of virus multiplication.
- 4- Full assay on viral pathogenesis.
- 5- Full assay on viral vaccines.