Research topics on Cell Biology for 1st level pharm D student2019-2020:

- 1. Replication in bacteria
- 2. Transcription in bacteria
- 3. Translation in bacteria
- 4. Comparison between prokaryotic cell and eukaryotic cell regarding cell structure, reproduction, and DNA replication.
- 5. Different types of proteins that present in the bacterial cell wall and their functions.
- 6. Disorders and diseases associated with meiosis (explain what is meiosis and then discuss diseases that arise as a result of a mistake during meiosis)
- 7. Medications available in market that interfere with cell cycle (explain cell cycle, give examples of medication in market that interfere with cell cycle and their applications)
- 8. Therapeutic applications of stem cells (define stem cells, how to isolate and store them, and discuss current medical applications of stem cells)
- 9. Theories explaining cancer (define cancer then discuss different theories that explain how cancer occurs.)
- 10.Cell death (discuss different types of cell death and possible medical applications)
- 11. Enumerate Cellular components and its functions.
- 12. What are the functions of membrane proteins?.
- 13. Discuss the types and functions of Cellular macromolecules.
- 14. Classify Biological fluids and their functions.