

14. PROGRAMA ANALITICO

▪ Teóricas

Interacción bacteria-huesped. Factores de virulencia. Multiplicación intracelular. Mecanismos de diseminación. Genética de la virulencia. Regulación. Resistencia a antibióticos. Genomics (genética reversa). Factores de virulencia en micobacterias. Métodos experimentales para el estudio de la patogenicidad bacteriana.

▪ Trabajos Prácticos

Es un curso intensivo de tres semanas. Prácticas de laboratorio diaria sobre métodos para el estudio de la patogenicidad bacteriana, medidas de virulencia e identificación y caracterización de factores de virulencia.

Experimentos incluirán: Manipulación genética de *Salmonella typhimurium*. Selección de mutantes sensibles a compuestos microbicidas. Evaluación de la resistencia a distintos péptidos antimicrobianos. Empleo de la técnica de PCR. Pentapeptide scanning mutagénesis. Glicosilación postraduccional de proteínas en micobacterias. Habrá discusiones relativas a las prácticas y su aplicación en investigación.

15.- BIBLIOGRAFIA

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