

I.I.B.
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FACULTAD DE CIENCIAS EXACTAS Y NATURALES

U.B.A.

DEPARTAMENTO: INSTITUTO de INVESTIGACIONES BIOQUIMICAS

CARRERA de: a) Licenciatura en..... ORIENTACION:.....

b) Doctorado y/o Post-Grado en Ciencias Químicas y Biológicas

c) Profesorado en.....

d) Cursos Técnicos en Meteorología.....

e) Cursos de Idiomas.....

2do. CUATRIMESTRE..... Año: 1999

4.- N° DE CODIGO DE CARRERA...51 y 55

5.- MATERIA "Patogénesis Bacteriana"

N° DE CODIGO B 028

6.- PUNTAJE PROPUESTO 3 puntos

7.- PLAN DE ESTUDIO Año --

8.- CARACTER DE LA MATERIA Optativa

9.- DURACION 3 semanas

10.- HORAS DE CLASE SEMANAL:

a) Teóricas	12 hs	d) Seminarios	4,7 hs
b) Problemas	--- hs	e) Teórico-problemas	-- hs
c) Laboratorio	25 hs	f) Teórico-prácticas	-- hs
		g) Totales Horas	41,7 hs

11. CARGA HORARIA TOTAL 125 hs

12.- ASIGNATURAS CORRELATIVAS Graduados de Ciencias Exactas, Medicina, Bioquímica, Ciencias Veterinarias y Agronomía.

13.- FORMA DE EVALUACION: Seminarios

PROGRAMA ANALITICO

Temas Principales

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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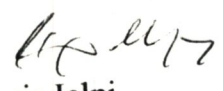
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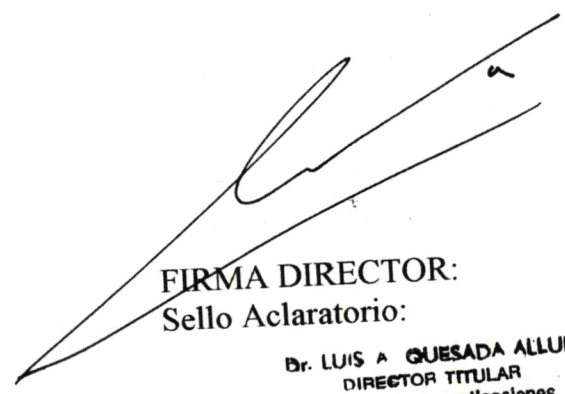
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