

Pan American Health Organization

ADVISORY COMMITTEE ON MEDICAL RESEARCH

Sixth Meeting

Washington, D.C., 12-16 June 1967

Item 4.2 of the Agenda

APPENDIX 1

BIBLIOGRAPHY OF BIOCHEMISTS WORKING IN MEXICO CITY:  
1962 - 1967

APPENDIX 2

BIOCHEMISTS PARTICIPATING IN THE PROPOSED MULTINATIONAL CENTER  
ACTIVITIES IN BIOLOGY, THEIR FIELDS AND THEIR ASSOCIATES

Ref: RES 6/1.3  
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PAN AMERICAN HEALTH ORGANIZATION  
Pan American Sanitary Bureau, Regional Office of the  
WORLD HEALTH ORGANIZATION

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		Associate Researchers	Technician	Graduate Students	

**Departamento de Biofísica,  
Escuela Nacional de Ciencias Biológicas, IPN.**

Properties and structure of the proteases: medicain.	M. Castañeda	2	-	4	10
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Effect of solvents - and transesterification reaction on proteolytic enzymes.	L. M. Castillo	1	-	4	13
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**Departamento de Bioquímica,  
Instituto de Biología, UNAM.**

Mechanism of action of hormones and enzymes.	R. Llamas	1	2	-	6
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Metabolism of the central nervous system in vertebrates and invertebrates.	G. Massieu	2	-	1	10
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Chemical carcinogenetics.	F. Marroquín	-	2	-	6
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**Laboratorio de Inmunología,  
Hospital Infantil.**

Corticosteroidic transference of proteins.	J. Kumate	2	2	2	5
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**Laboratorio de Bioquímica,  
Instituto de Química, UNAM.**

Rubber biosynthesis	B. Arreguín	2	1	-	5
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**Departamento de Bioquímica,  
Facultad de Medicina, UNAM.**

Enzyme immunochemis- try.	F. Córdova	-	1	2	4
Glycogen metabolism	V. Chageya	-	1	1	1
Structure and func- tion of nucleotides.	R. Ondarza	-	1	1	4
Biochemistry of mi- croorganisms.	C. del Rfo	-	2	-	1
Mechanism of oxida- tive phosphorylation	A. Gómez P.	-	2	1	8
Carbohydrate metabo- lism in <u>N. crassa</u>	E. Piña	-	2	1	1
Ionic effect on meta- bolic activity	A. Peña	-	2	0	4
Metabolism of fatty acids and cholesterol	J. Guzmán	-	3	0	2
Protein catabolism	J. Laguna	-	2	1	1
Biological oxido-reduc- tions	G. Estrada	-	1	0	4

**Departamento de Bioquímica,  
Instituto Nacional de la Nutrición.**

Structure and metabo- lism of collagen.	M. Rajkind	-	2	1	13
Protein biosynthesis in normal and cirrothic -- liver.	A. Huberman	-	1	-	3
Cellular differentiation	E. Sánchez	-	-	-	5

**Departamento de Bioquímica,  
Escuela Nacional de Ciencias Biológicas, IPN.**

Drugs design	G. Carvajal	2	1	1	18
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Phenotypic modification in the entire animal	G. Carvajal	-	-	1	7
Mechanism of mutation in bacteria	E. Cabrera	2	1	1	7

Departamento de Bioquímica,  
Instituto Nacional de Cardiología.

Oxidative phosphoryla- tion in myocardium.	E. Calva	2	-	2	3
Metabolism of serum lipoproteins	E. Calva	1	-	-	2
Location of lipase in myocardium	G. Delhumeau	1	1	-	-
Ontogeny of creatin metabolism	O. Ramírez	1	-	1	1

Departamento de Bioquímica,  
Centro de Investigación y Estudios Avanzados, IPN.

Membrane structure	C. Gitler	-	2	4	7
Properties of micelles containing N-alfa acyl amino acids	C. Gitler	-	-	3	-
Action of lipolytic enzy- mes on serum lipoproteins and subcellular particles	M. García	-	-	2	4
Stability of the oxidative phosphorylation system.	M. García	-	-	3	-
Interaction between circu- latory lipoproteins and in- tracellular respiratory system.	M. García	-	-	2	-
Metabolism and function of different kinds of RNA in several areas of brain	V. Alemán	-	-	2	2
Biological oxidations, mechanism of action of flavo-proteins	V. Alemán	-	-	2	2

<b>Lipid phase of membrane.</b>	<b>J. Carbón</b>	-	<b>1</b>	-	<b>4</b>
<b>Water structure and molecular interactions of membranes</b>	<b>J. Carbón</b>	-	-	-	-
<b>Mechanism of action of carcinogenetic and cocarcinogenetic substances.</b>	<b>D. Paul</b>	-	-	-	<b>3</b>

Departamento de Bioquímica,  
Escuela Nacional de Odontología, UNAM.

<b>Calcium and phosphorus metabolism in bone.</b>	<b>F. Fernández</b>	-	<b>2</b>	-	<b>3</b>
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Departamento de Microbiología,  
Escuela Nacional de Ciencias Biológicas, IPN.

<b>Immunochemistry of nucleic acids and derivatives.</b>	<b>S. Estrada</b>	<b>1</b>	<b>5</b>	<b>2</b>	<b>3</b>
<b>Immunochemistry of microbial polysaccharides</b>	<b>S. Estrada</b>	-	-	<b>2</b>	<b>15</b>
<b>Biosynthesis and regulation of enzymes</b>	<b>J. Ruiz-Herrera</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>
<b>Regulation of the biosynthesis of capsular depolymerases</b>	<b>J. Ortigoza</b>	-	<b>1</b>	-	-
<b>Sugar transport mechanisms</b>	<b>J. Ortigoza</b>	-	<b>2</b>	-	<b>1</b>
<b>Mutation in microorganisms.</b>	<b>M. Servin</b>	<b>1</b>	<b>1</b>	-	<b>2</b>



<b>Criodessication effects on microorganisms</b>	M. Servin	1	1	-	2
<b>Mechanism of action of interferon and cha- racteristics of its mo- lecule.</b>	L.E. Sánchez-T.	1	3	-	1
<b>Biosynthesis of RNA viruses</b>	L.E. Sánchez-T.	-	-	-	-

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Facultad de Medicina, UNAM.**

<b>Immunology of nocar- dia and mycobacteria polysaccharides</b>	L. Bojalil	-	2	4	3
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**Departamento de Biología Molecular,  
Instituto de Estudios Médicos y Biológicos, UNAM.**

<b>Advent of ureotelism.</b>	G. Loberón	1	2	-	3
<b>Scorpion venom and vascular permeabilities</b>	G. Angulano	-	-	-	-
<b>Antiadrenergic action of ataraxics</b>	G. Angulano	-	-	-	-
<b>Relation between the biosynthesis and cata- bolism of arginine</b>	J. Mora	-	1	1	5
<b>Macromolecular inter- action.</b>	L. Cañedo	-	-	-	-
<b>Genetic control of -- tryptophan biosynthesis in Neurospora.</b>	A. Arroyo	-	-	-	-
<b>Developmental biology</b>	M. Castañeda	-	-	-	-
<b>Bacterial genetics</b>	J. Martuscelli	-	-	-	-

**Departamento de Genética y Biología  
Celular, Centro de Investigación y Estudios Avanzados, IPN**

**Aerobic and anaerobic-  
metabolism of carbohy-**

drates in salmonella;  
Biochemical and genetic  
studies.

M. Ortega                    -                    -                    4                    3

Role of RNA and DNA  
polymerases in the spe-  
cificity of replication -  
and transcription; gene-  
tic studies with mutants  
defective in these enzy-  
mes in E. coli

F. Bastarrachea           -                    -                    -                    2

Correlation between the  
biochemical and morpho-  
logical changes as a --  
consequence of cellular  
damage provoked by --  
toxic compounds.

S. Saul Villa T.           1                    1                    2                    15

Departamento de Investigación y Enseñanza,  
Centro Médico Nacional, IMSS.

Biosynthesis of steroids  
by normal and neoplastic  
tissues

O. Domínguez             -                    4                    -                    18

Regulation of glycopro-  
teins biosynthesis.

J. Torres                   -                    4                    2                    -

Enzyme levels in tumour  
tissues.

A. Rosado                 2                    2                    2                    -

Metabolism of fibroblasts  
treated with steroidal --  
hormones

A. Gallegos               1                    3                    -                    -