

I Simposio Internacional sobre respiración humana

Montevideo (Uruguay)

(del 22 al 24 de abril de 1981)

Organizado por el Centro Internacional Coordinador de Técnicas de Investigación sobre Importancia y Educación de la Respiración (CICTISIER).

Para información pueden dirigirse al Dr. Josep M.^a Montserrat-Viladiu,
Gerona, 131, 1.º, Barcelona-37, o directamente a

CICTISIER, Avda. Italia, 3.066, Ap. 1, Montevideo (Uruguay).

III European Symposium for Stereology

Ljubljana (Yugoslavia)

(del 22 al 27 de junio de 1981)

Para todo tipo de información pueden dirigirse al Prof. Dr. Miroslav
Kalinsnik,

3rd European Symposium for Stereology Institute for Histology
and Embryology.

P.O. Box 10.

61.105 Ljubljana (Yugoslavia).

SCIENTIA

International Review of Scientific Synthesis - Founded in 1907

Scientific Editorial Board: Piero Caldirola · Ludovico Geymonat · Giuseppe Montalenti

Editor: N. Bonetti.

SCIENTIA has never abandoned its programme of rigorous scientific synthesis; it aims at going beyond rather than refuting disciplinary specialization.

The motivations behind this approach can be explained today on the one hand through the formation of new areas of scientific research, and on the other through the lively evolution of those social frameworks which are at one and the same time both cause and effect of such research.

Scientia takes on the task it has itself with the help of contributions from scientists and philosophers from all parts of the world.

Publication: 3 volumes of approx. 400 pages each. Articles are published in the language in which they were written and in the integral English and Italian versions.

Annual subscription: Italy Lit. 22,000 - Europe Lit. 27,000 - Non-European countries \$44.00

Specimen copy: Italy Lit. 5,000 - Europe Lit. 5,500 - Non-European countries \$ 7.50

SCIENTIA - Via Guastalla 9 - 20122 Milano (Italy) - Telephone (02) 780.669

“LABORATORIO”

Análisis clínicos - Bacteriología - Inmunología - Parasitología
Hematología - Anatomía patológica - Química clínica

REVISTA MENSUAL

FUNDADORES:

Dr. Justo Covalada Ortega

Dr. Eduardo Suárez Peregrín

Director: G. PIEDROLA ANGULO

Redacción y Administración: Pl. Campos, 5. Ap. Correos, 193. Granada

Precio de suscripción anual: España: 2000 pesetas

Extranjero: 30 \$ o equivalencia

Correo aéreo: Sobretasa 22 \$ o »

CONTENTS

GUERRERO, J. M., J. C. PRIETO, R. RAMÍREZ-CÁRDENAS, J. R. CALVO and R. GOBERNA. — Properties of Vasoactive Intestinal Peptide-Receptor Interaction in Rat Liver Membranes.	1
RAMÍREZ-CÁRDENAS, R., J. C. PRIETO, J. M. GUERRERO and R. GOBERNA. — Guanyl Nucleotide Regulation of Vasoactive Intestinal Peptide Interaction with Rat Liver Membranes.	9
PALOMEQUE, J. and J. PLANAS. — Erythrocyte Size in Some Wild Spanish Birds	17
SANTIDRIÁN, S. — Muscle Protein Breakdown in Young Rats Fed on an Energy-Depleted Diet	23
CAMPS, J., W. JIMÉNEZ, A. LLORENS and F. RIVERA-FILLAT. — Synthesis of Cyclic AMP from Renal Cortex <i>in vitro</i>	31
SOLER, S., F. J. MATAIX and M. RUIZ-AMIL. — Physico-Chemical Properties of Guinea Pig Liver Arginase	37
RIBAS, J., J. M. DELGADO-GARCÍA, A. LÓPEZ-BELTRÁN and D. MIR. — A Morphological and Electrophysiological Study of Nigrotectal Pathway in the Rat	45
AGUILAR, E., A. TEJERO, C. FERNÁNDEZ-GALAZ and M. D. VATICÓN. — Effect of Constant Light on the Circadian Rhythm of Prolactin.	53
ALONSO, A., A. PRADO, E. RIAL, R. SÁEZ and J. M. VALPUESTA. — Constancy of Liver Lipid Composition in Two Genera of Toads After a Short-Term Temperature Acclimation	57
ROSARIO, P. and J. M. MEDINA. — Antiketogenic Effect of Gluconeogenic Substrates. I. Effect of Pyruvate.	65
RODRÍGUEZ, M., F. TRUJILLO, J. VIVANCOS and A. AZNAR. — Influence of Posture Changes on Oncotic Pressure and RHE Proteinemia.	71
MORCILLO, E., H. BEDATE, A. MORAGUES and J. ESPLUGUES. — Histamine H ₁ - and H ₂ -Receptors in Canine Renal Artery <i>in vivo</i> and <i>in vitro</i>	75
PEÑALVA, A., J. CABEZAS-CERRATO, L. VILLANUEVA, J. SÁNCHEZ-LORES, A. GÓMEZ-PAN, M. BORQUE and F. CASANUEVA. — Effect of Phentolamine, Diphenhydramine and Cyproheptadine on Arginine Induced Growth Hormone Secretion	83
LLOBET, J. M. ^a , J. L. DOMINGO and B. PINTO. — Mechanism of Ossification. Calcium Uptake by the Bone Organic Matrix	91
FEDRIANI, J. R., A. MARINO, J. M. MACARULLA, J. UGARTE and C. RODRÍGUEZ. — Liver Phospholipid Metabolism in <i>Gallus domesticus</i>	97
<i>Letters to the Editor</i>	
SANTIDRIÁN, S., R. BURINI, H. N. MUNRO and V. R. YOUNG. — Urinary Output of N ^ε -Methylhistidine and Hydroxyproline in Mature and Old Male Rats Fed an Adequate Diet	103
BOOK REVIEWS.	105

INDICE

GUERRERO, J. M., J. C. PRIETO, R. RAMÍREZ-CÁRDENAS, J. R. CALVO and R. GOBERNA. — Properties of Vasoactive Intestinal Peptide-Receptor Interaction in Rat Liver Membranes.	1
RAMÍREZ-CÁRDENAS, R., J. C. PRIETO, J. M. GUERRERO and R. GOBERNA. — Guanyl Nucleotide Regulation of Vasoactive Intestinal Peptide Interaction with Rat Liver Membranes.	9
PALOMEQUE, J. and J. PLANAS. — Erythrocyte Size in Some Wild Spanish Birds	17
SANTIDRIÁN, S. — Muscle Protein Breakdown in Young Rats Fed on an Energy-Depleted Diet	23
CAMPS, J., W. JIMÉNEZ, A. LLORENS y F. RIVERA-FILLAT. — Síntesis de AMP cíclico por la corteza renal <i>in vitro</i>	31
SOLER, S., F. J. MATAIX y M. RUIZ-AMIL. — Propiedades físico-químicas de la arginasa de hígado de cobaya	37
RIBAS, J., J. M. DELGADO-GARCÍA, A. LÓPEZ-BELTRÁN and D. MIR. — A Morphological and Electrophysiological Study of Nigrotectal Pathway in the Rat	45
AGUILAR, E., A. TEJERO, C. FERNÁNDEZ-GALAZ y M. D. VATICÓN. — Efecto de la iluminación constante sobre el ritmo circadiano de prolactina	53
ALONSO, A., A. PRADO, E. RIAL, R. SÁEZ and J. M. VALPUESTA. — Constancy of Liver Lipid Composition in Two Genera of Toads After a Short-Term Temperature Acclimation	57
ROSARIO, P. and J. M. MEDINA. — Antiketogenic Effect of Gluconeogenic Substrates. I. Effect of Pyruvate.	65
RODRÍGUEZ, M., F. TRUJILLO, J. VIVANCOS y A. AZNAR. — Influencia de los cambios de postura y del ejercicio físico sobre la presión oncótica y la proteinemia	71
MORCILLO, E., H. BEDATE, A. MORAGUES and J. ESPLUGUES. — Histamine H ₁ - and H ₂ -Receptors in Canine Renal Artery <i>in vivo</i> and <i>in vitro</i>	75
PEÑALVA, A., J. CABEZAS-CERRATO, L. VILLANUEVA, J. SÁNCHEZ-LORES, A. GÓMEZ-PAN, M. BORQUE y F. CASANUEVA. — Acción de la fentolamina, difenhidramina y ciproheptadina sobre la secreción de hormona de crecimiento inducida por arginina	83
LLOBET, J. M. ^a , J. L. DOMINGO and B. PINTO. — Mechanism of Ossification. Calcium Uptake by the Bone Organic Matrix	91
FEDRIANI, J. R., A. MARINO, J. M. MACARULLA, J. UGARTE y C. RODRÍGUEZ. — Metabolismo de fosfolípidos hepáticos en <i>Gallus domesticus</i>	97
<i>Cartas al Editor</i>	
SANTIDRIÁN, S., R. BURINI, H. N. MUNRO and V. R. YOUNG. — Urinary Output of N ⁷ -Methylhistidine and Hydroxyproline in Mature and Old Male Rats Fed an Adequate Diet	103
CRÍTICA DE LIBROS	105