

Serono Symposia Publications from Raven Press
Volume 7

Recent Advances in Male Reproduction: Molecular Basis and Clinical Implications

Editors

R. D'Agata, M.D.
*Endocrinology Unit
Department of Internal Medicine
University of Catania
Catania, Italy*

M. B. Lipsett, M.D.
*National Institute of Child Health
and Human Development
National Institutes of Health
Bethesda, Maryland*

P. Polosa, Ph.D.

H. J. van der Molen, M.D.

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R. D'Agata, M.D.

*Endocrinology Unit
Department of Internal Medicine
University of Catania
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M. B. Lipsett, M.D.

*National Institute of Child Health
and Human Development
National Institutes of Health
Bethesda, Maryland*

P. Polosa, Ph.D.

*Department of Internal Medicine
University of Catania
Catania, Italy*

H. J. van der Molen, M.D.

*Department of Biochemistry
Division of Chemical Endocrinology
Medical Faculty
Erasmus University
Rotterdam, The Netherlands*

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Preface

Focusing on the molecular basis of male reproduction, this book highlights and synthesizes recent research results and assesses their clinical implications.

The opening chapter yields new insights into molecular andrology, drawing on biochemical and ultrastructural studies on human sperm plasma membrane. Topics covered in the book include: oligozoospermia and unexplained infertility, secretory epididymal proteins and their possible relation to sperm maturation, localization of androgen binding proteins, and recent research on inhibin. Studies involving gonadotropin-releasing hormones detail the physiology of pituitary GnRH receptors; analyze the effects of combined GnRH agonists and testosterone on testicular function in man and experimental animals; review the results of chronic low-dose pulsatile GnRH treatment of idiopathic hypogonadotropic hypogonadism in man; and consider the possible involvement of prostaglandins in GnRH action at the testicular level.

Establishing the state of the art in research on male reproduction, this book is essential reading for all endocrinologists and urologists.

The Editors

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Contributors

Luigi F. Agnati

*Department of Physiology
University of Modena
41100 Modena, Italy*

R. J. Aitken

*Medical Research Council
Reproductive Biology Unit
Centre for Reproductive Biology
Edinburgh EH3 9EW Scotland*

A. Aliffi

*Endocrinology Unit
Department of Internal Medicine
Catania Medical School
University of Catania
Catania, Italy*

B. Ambrosi

*School of Medicine
and 2nd Medical Clinic
University of Milan
Milan, Italy*

C. L. Au

*Department of Anatomy
Monash University
Melbourne, Victoria 3168 Australia*

H. Attramadal

*Institute of Pathology
Rikshospitalet
Oslo, Norway*

G. H. Bakker

*Department of Biochemistry
Medical Faculty
Erasmus University
Rotterdam, The Netherlands*

Gian F. Baraghini

*Department of Endocrinology
Institute of Medical Pathology
University of Modena
Via del Pozzo 71
41100 Modena, Italy*

J. L. S. Barañao

*Instituto de Biología y Medicina
Experimental
1428 Buenos Aires
and Facultad de Ciencias Exactas y
Naturales, U.B.A.
Buenos Aires, Argentina*

C. Wayne Bardin

*Population Council
1230 York Avenue
New York, New York 10021*

A. Barkan

*Division of Endocrinology and
Metabolism
Department of Internal Medicine
University of Michigan
Ann Arbor, Michigan 48109*

F. Bassi

*Endocrinology Unit
University of Florence
Florence, Italy*

A. Belanger

*Department of Molecular
Endocrinology
Le Centre Hospitalier de
l'Université Laval
Quebec G1V 4G2, Canada*

Theo J. Benraad

*Division of Endocrinology
Department of Internal Medicine
and Department of Experimental
and Chemical Endocrinology
University of Nijmegen
The Netherlands*

F. S. M. Best

*Medical Research Council
Reproductive Biology Unit
Centre for Reproductive Biology
Edinburgh EH3 9EW Scotland*

B. Betto

*Cattedra di Andrologia
Clinica Medica V
University of Rome
00161 Rome, Italy*

J. A. Blaquier

*Instituto de Biologia y Medicina
Experimental
Obligado 2490
1428 Buenos Aires, Argentina*

Bruno Bonati

*Department of Endocrinology
Institute of Medical Pathology
University of Modena
Via del Pozzo 71
41100 Modena, Italy*

L. Boniforti

*Cattedra di Andrologia
Clinica Medica V
University of Rome
00161 Rome, Italy*

J. D. Booth

*Developmental Endocrinology
Branch
National Institute of Child Health
and Human Development
National Institutes of Health
Bethesda, Maryland 20205*

G. A. Bourne

*Division of Endocrinology and
Metabolism
Department of Internal Medicine
University of Michigan
Ann Arbor, Michigan 48109*

J. Y. Browning

*Department of Reproductive
Medicine and Biology
University of Texas Medical School
Houston, Texas 77025*

R. S. Calandra

*Instituto de Biologia y Medicina
Experimental
Obligado 2490
1428 Buenos Aires
and Facultad de Ciencias Exactas y
Naturales Universidad de Buenos
Aires
Buenos Aires, Argentina*

J. C. Calvo

*Instituto de Biologia y Medicina
Experimental
Obligado 2490
1428 Buenos Aires
and Facultad de Ciencias Exactas y
Naturales Universidad de Buenos
Aires
Buenos Aires, Argentina*

M. S. Cameo

*Instituto de Biologia y Medicina
Experimental
Obligado 2490
1428 Buenos Aires, Argentina*

Cesare Carani

*Department of Endocrinology
Institute of Medical Pathology
University of Modena
Via del Pozzo 71
41100 Modena, Italy*

R. Carmichael

*Department of Molecular
Endocrinology
Le Centre Hospitalier de
l'Universite Laval
Quebec G1V 4G2, Canada*

Donatella Cavani

*Department of Endocrinology
Institute of Medical Pathology
University of Modena
Via del Pozzo 71
41100 Modena, Italy*

Marci F. Celani

*Department of Endocrinology
Institute of Medical Pathology
University of Modena
Via del Pozzo 71
41100 Modena, Italy*

E. H. Charreau

*Instituto de Biologia y Medicina
Experimental
Obligado 2490
1428 Buenos Aires
and Facultad de Ciencias Exactas y
Naturales Universidad de Buenos
Aires
Buenos Aires, Argentina*

C. Y. Cheng

*Population Council
1230 York Avenue
New York, New York 10021*

Katia Cioni

*Department of Endocrinology
Institute of Medical Pathology
University of Modena
Via del Pozzo 71
41100 Modena, Italy*

F. Citarella

*Cattedra di Andrologia
Clinica Medica V
University of Rome
00161 Rome, Italy*

Felice Cogliati

*Italian Auxological Center
Piancavallo, Italy*

F. Comhaire

*Department of Internal Medicine
Academisch Ziekenhuis
State University of Gent
De Pintelaan 185
B-9000 Ghent - Belgium*

D. Conte

*Cattedra di Andrologia
Clinica Medica V
University of Rome
00161 Rome, Italy*

Marco Conti

*Institute of Histology and General
Embryology
University of Rome
Rome, Italy*

W. F. Crowley, Jr.

*Departments of Gynecology and
Medicine
Vincent Memorial Research
Laboratories
Massachusetts General Hospital
Boston, Massachusetts 02114*

P. S. Cuasnicu

*Instituto de Biologia y Medicina
Experimental
Obligado 2490
1428 Buenos Aires, Argentina*

R. D'Agata

*Endocrinology Unit
Department of Internal Medicine
Catania Medical School
University of Catania
Catania, Italy*

D. M. de Kretser

*Department of Anatomy
Monash University
Melbourne, Victoria 3168 Australia*

J. P. Deslypere

*Department of Endocrinology
Medical Clinic
Academisch Ziekenhuis
De Pintelaan, 185
D-9000 Ghent - Belgium*

O. Djahanbakhch

*Medical Research Council
Reproductive Biology Unit
Centre for Reproductive Biology
Edinburgh EH3 9EW Scotland*

F. Drago

*Institute of Pharmacology
University of Catania Medical
School
Catania, Italy*

J. A. Duncan

*Division of Endocrinology and
Metabolism
Department of Internal Medicine
University of Michigan
Ann Arbor, Michigan 48109*

F. Gonzalez Echeverria

*Instituto de Biologia y Medicina
Experimental
Obligado 2490
1428 Buenos Aires, Argentina*

A. Fabbrini

*Clinica Medica
University of L'Aquila School of
Medicine
V. le Duca degli Abruzzi 3
67100 L'Aquila
Abruzzi, Italy*

F. Facchinetti

*Department of Obstetrics and
Gynaecology
University of Cagliari
Cagliari, Italy*

G. Faglia

*Department of Endocrinology
c/o 2nd Medical Clinic
Via F. Sforza 35
20122 Milano, Italy*

N. Faure

*Laboratory of Endocrinology of
Reproduction
St-Francois d'Assise Hospital
Quebec, Canada*

G. Fiorelli

*Endocrinology Unit
University of Florence
Florence, Italy*

S. Foli

*Cattedra di Andrologia
Clinica Medica V
University of Rome
00161 Rome, Italy*

G. Forti

*Endocrinology Unit
University of Florence
Florence, Italy*

G. Frajese

*V Medical Clinic
Department of Reproductive
Medicine
University of Rome
Rome 00100, Italy*

S. Francavilla

*Clinica Medica
University of L'Aquila School of
Medicine
V. le Duca degli Abruzzi 3
67100 L'Aquila
Abruzzi, Italy*

C. W. Freischem

*Max Planck Clinical Research Unit
for Reproductive Medicine and
Department of Experimental
Endocrinology
University Women's Hospital
Steinfurter Str. 107
D-4400 Münster
Federal Republic of Germany*

A. Frøysa

*Institute of Medical Biochemistry
University of Oslo
Oslo, Norway*

M. Gaggini

*School of Medicine
and 2nd Medical Clinic
University of Milan
Milan, Italy*

J. C. Garberi

*Instituto de Biología y Medicina
Experimental
Obligado 2490
1428 Buenos Aires, Argentina*

A. Garcia-Rodriguez

*Division of Endocrinology and
Metabolism
Department of Internal Medicine
University of Michigan
Ann Arbor, Michigan 48109*

Raffaele Geremia

*Institute of Histology and General
Embryology
University of Rome
Via A. Scarpa, 14
00161 Rome, Italy*

G. Giordano

*Cattedra di Endocrinologia ISMI
Università di Genova
Viale Benedetto XV 6
16132 Genova, Italy*

C. Giovine

*School of Medicine
and 2nd Medical Clinic
University of Milan
Milan, Italy*

Marc Goldstein

*Population Council
1230 York Avenue
New York, New York 10021*

S. I. Gonzales

*Instituto de Biología y Medicina
Experimental
Obligado 2490
1428 Buenos Aires
and Facultad de Ciencias Exactas y
Naturales Universidad de Buenos
Aires
Buenos Aires, Argentina*

G. A. Grisolia

*Pediatric Surgery Unit
USL 10 E
Florence, Italy*

H. E. Grotjan, Jr.

*Department of Reproductive
Medicine and Biology
University of Texas Medical School
Houston, Texas 77025*

Salvatore Gulizia

*Department of Reproductive
Medicine and Biology
University of Texas Medical School
at Houston
Houston, Texas 77025; and
Istituto di Patologia Medica I
Universita di Catania
Ospedale Garibaldi
Catania, Italy*

Glen Gunsalus

*Population Council
1230 York Avenue
New York, New York 10021*

V. Hansson

*Institute of Pathology
Rikshospitalet and
Institute of Medical Biochemistry
University of Oslo
Oslo, Norway*

David Heber

*Division of Endocrinology
Department of Medicine
Harbor-UCLA Medical Center
UCLA School of Medicine
Torrance, California 90509*

A. R. Hoffman

*Departments of Gynecology and
Medicine
Vincent Memorial Research
Laboratories
Massachusetts General Hospital
Boston, Massachusetts 02114*

R. Horn

*Institute of Medical Biochemistry
University of Oslo
Oslo, Norway*

A. Isidori

*Cattedra di Andrologia
Clinica Medica V
University of Rome
00161 Rome, Italy*

T. Jahnsen

*Institute of Pathology
Rikshospitalet
Oslo, Norway*

B. Jegou

*Institute of Pathology
Rikshospitalet
Oslo, Norway; and
Laboratoire de Biologie de la
Reproduction
Faculte des Sciences de Rennes
Rennes, France*

M. Kessler

*Department of Reproductive
Medicine and Biology
University of Texas Medical School
at Houston
Houston, Texas 77025*

Peter W. C. Kloppenborg

*Division of Endocrinology
Department of Internal Medicine
University of Nijmegen
The Netherlands*

A. Kohane

*Instituto de Biología y Medicina
Experimental
Obligado 2490
1428 Buenos Aires, Argentina*

F. Labrie

*MRC Group in Molecular
Endocrinology
Department of Molecular
Endocrinology
Le Centre Hospitalier de
l'Université Laval
Quebec G1V 4G2, Canada*

D. J. Lamb

*Department of Reproductive
Medicine and Biology
University of Texas Medical School
at Houston
Houston, Texas 77030*

M. M. Lees

*Department of Obstetrics and
Gynaecology
Centre for Reproductive Biology
Edinburgh EH3 9EW Scotland*

F. A. Lefebvre

*Laboratory of Endocrinology of
Reproduction
St-Francois d'Assise Hospital
Quebec, Canada*

F. Le Gac

*Department of Anatomy
Monash University
Melbourne, Victoria 3168
Australia; and
Institute of Pathology
Rikshospitalet
Oslo, Norway*

Mortimer B. Lipsett

*National Institute of Child Health
and Human Development
National Institutes of Health
Bethesda, Maryland 20205*

D. L. Loriaux

*Developmental Endocrinology
Branch
National Institute of Child Health
and Human Development
National Institutes of Health
Bethesda, Maryland 20205*

I. A. Lüthy

*Instituto de Biología y Medicina
Experimental
Obligado 2490
1428 Buenos Aires
and Facultad de Ciencias
Exactas y Naturales
Universidad de Buenos Aires
Buenos Aires, Argentina*

G. Van Maele

*Department Medical Informatics
State University of Gent
De Pintelaan 185
B-9000 Ghent - Belgium*

B. Marchetti

*Department of Pharmacology
University of Catania
Catania, Italy*

Paolo Marrama

*Department of Endocrinology
Institute of Medical Pathology
University of Modena
Via del Pozzo 71
41100 Modena, Italy*

J. C. Marshall

*Division of Endocrinology and
Metabolism
Department of Internal Medicine
University of Michigan
Ann Arbor, Michigan 48109*

D. Mattheeuws

*School of Veterinary Medicine
State University of Ghent
Cassinoplein 24
B-9000 Ghent - Belgium*

G. Mangeri

*Endocrinology Unit
Department of Internal Medicine
Catania Medical School
University of Catania
Catania, Italy*

George Merriam

*National Institute of Child Health
and Human Development
Bethesda, Maryland 20205*

F. Minuto

*Cattedra di Endocrinologia ISMI
Università di Genova
Viale Benedetto XV 6
16132 Genova, Italy*

A. Modesti

*V Medical Clinic
Department of Reproductive
Medicine
University of Rome
Rome 00100, Italy*

A. Mongioi

*Endocrinology Unit
Department of Internal Medicine
Catania Medical School
University of Catania
Catania, Italy*

Vanna Montanini

*Department of Endocrinology
Institute of Medical Pathology
University of Modena
Via del Posso 71
41100 Modena, Italy*

Francesco Morabito

*Italian Auxological Center
Piancavallo, Italy*

P. Moriondo

*School of Medicine
and 2nd Medical Clinic
University of Milan
Milan, Italy*

Neal Musto

*Population Council
1230 York Avenue
New York, New York 10021*

E. Nieschlag

*Max Planck Clinical Research Unit
for Reproductive Medicine and
Department of Experimental
Endocrinology
University Women's Hospital
Steinfurter Str. 107
D-4400 Münster,
Federal Republic of Germany*

A. Pampaloni

*Pediatric Surgery Unit
USL 10
Florence, Italy*

D. Paolucci

*Cattedra di Andrologia
Clinica Medica V
University of Rome
00161 Rome, Italy*

Anita H. Payne

*Reproductive Endocrinology
Program
Departments of Obstetrics and
Gynecology and
Biological Chemistry
University of Michigan
Ann Arbor, Michigan 48109*

G. Peeters

*School of Veterinary Medicine
State University of Ghent
Casinoplein 24
B-9000 Ghent - Belgium*

G. Pelletier

*MRC Group in Molecular
Endocrinology
Le Centre Hospitalier
de l'Université Laval
Québec G1V 4G2 Canada*

David Phillips

*Population Council
1230 York Avenue
New York, New York 10021*

A. Piazza

*Instituto de Biología y Medicina
Experimental
Obligado 2490
1428 Buenos Aires, Argentina*

D. R. Pieper

*Division of Endocrinology and
Metabolism
Department of Internal Medicine
University of Michigan
Ann Arbor, Michigan 48109*

L. Pineiro

*Instituto de Biología y Medicina
Experimental
Obligado 2490
1428 Buenos Aires, Argentina*

U. Punjabi

*Department of Endocrinology
Medical Clinic
Academisch Ziekenhuis
De Pintelaan, 185
B-9000 Ghent - Belgium*

J. J. Reeves

*Department of Animal Sciences
Washington University
St. Louis, Missouri*

S. Regiani

*Division of Endocrinology and
Metabolism
Department of Internal Medicine
University of Michigan
Ann Arbor, Michigan 48109*

Maurizio Resentini

*Italian Auxological Center
Piancavallo, Italy*

D. W. Richardson

*Medical Research Council
Reproductive Biology Unit
Centre for Reproductive Biology
Edinburgh EH3 9EW Scotland*

D. M. Robertson

*Department of Anatomy
Monash University
Melbourne, Victoria 3168 Australia*

F. F. G. Rommerts

*Department of Biochemistry
Medical Faculty
Erasmus University
Rotterdam, The Netherlands*

Pellegrino Rossi

*Institute of Histology and General
Embryology
University of Rome
Rome, Italy*

Barbara M. Sanborn

*Department of Reproductive
Medicine and Biology
University of Texas Medical School
at Houston
Houston, Texas 77025*

V. Santiemma

*Clinica Medica
University of L'Aquila School of
Medicine
V. le Duca degli Abruzzi 3
67100 L'Aquila, Italy*

S. Santoro

*Pediatric Surgery Unit
USL 10 E
Florence, Italy*

S. Sardelli

*Department of Obstetrics and
Gynaecology
University of Cagliari
Cagliari, Italy*

C. Sartori

*V Medical Clinic
Department of Reproductive
Medicine
University of Rome
Rome 00100, Italy*

U. Scapagnini

*Institute of Pharmacology
University of Catania Medical
School
Catania, Italy*

R. C. Scaperrotta

*School of Medicine
and 2nd Medical Clinic
University of Milan
Milan, Italy*

R. Schats

*Medical Research Council
Reproductive Biology Unit
Centre for Reproductive Biology
Edinburgh EH3 9EW Scotland*

Th. Schürmeyer

*Max Planck Clinical Research Unit
for Reproductive Medicine
and Department of Experimental
Endocrinology
University Women's Hospital
Steinfurter Str. 107
D-4400 Münster
Federal Republic of Germany*

L. Seethalakshmi

*Department of Reproductive
Medicine and Biology
University of Texas Medical School
at Houston
Houston, Texas 77025*

C. Seguin

*Department of Molecular
Endocrinology
Le Centre
Hospitalier de l'Universite
Laval
Quebec G1V 4G2, Canada*

M. Serio

*Department of Endocrinology
University of Sassari
Sassari, Italy*

Richard M. Sharpe

*MRC Reproductive Biology Unit
Centre for Reproductive Biology
37 Chalmers Street
Edinburgh EH3 9EW Scotland*

Peter J. O'Shaughnessy

*Reproductive Endocrinology
Program
Departments of Obstetrics and
Gynecology and
Biological Chemistry
The University of Michigan
Ann Arbor, Michigan 48109*

L. Silvestroni

*V Medical Clinic
Department of Reproductive
Medicine
University of Rome
Rome 00100, Italy*

Anthony G. H. Smals

*Division of Endocrinology
Department of Internal Medicine
University of Nijmegen
The Netherlands*

G. Spera

*Cattedra di Andrologia
Clinica Medica V
University of Rome
00161 Rome, Italy*

Mario Stefanini

*Institute of Histology and General
Embryology
University of Rome
Rome, Italy*

A. Steinberger

*Department of Reproductive
Medicine and Biology
University of Texas Medical School
at Houston
Houston, Texas 77030*

Emil Steinberger

*Department of Reproductive
Medicine and Biology
University of Texas Medical School
at Houston
Houston, Texas 77025*

V. Stigliani

*Istituto Superiore di Sanita
00161 Rome, Italy*

Ronald S. Swerdloff

*Division of Endocrinology
Department of Medicine
Harbor-UCLA School of Medicine
Torrance, California 90509*

A. A. Templeton

*Department of Obstetrics and
Gynaecology
Centre for Reproductive Biology
Edinburgh EH3 9EW Scotland*

M. Tesone

*Instituto de Biologia y Medicina
Experimental
Obligado 2490
1428 Buenos Aires
and Facultad de Ciencias Exactas y
Naturales Universidad de Buenos
Aires
Buenos Aires, Argentina*

V. Toscano

*Cattedra di Andrologia
Clinica Medica V
University of Rome
00161 Rome, Italy*

S. D. Tsong

*Population Council
1230 York Avenue
New York, New York 10021*

M. Tvermyr

*Institute of Medical Biochemistry
University of Oslo
Oslo, Norway*

H. J. van der Molen

*Department of Biochemistry II
Medical Faculty
Erasmus University Rotterdam
3000 DR Rotterdam
The Netherlands*

L. Verdonck

*Department of Endocrinology
Medical Clinic
Academisch Ziekenhuis
De Pintelaan, 185
B-9000 Ghent - Belgium*

A. Vermeulen

*Department of Endocrinology
Medical Clinic
Academisch Ziekenhuis
De Pintelaan, 185
B-9000 Ghent - Belgium*

L. Vermeulen

*Department of Internal Medicine
Academisch Ziekenhuis
State University of Ghent
De Pintelaan 185
B-9000 Ghent - Belgium*

E. Vicari

*Endocrinology Unit
Department of Internal Medicine
Catania Medical School
University of Catania
Catania, Italy*

J. R. Wagle

*Department of Reproductive
Medicine and Biology
University of Texas Medical School
at Houston
Houston, Texas 77030*

E. J. Wickings

*Max Planck Clinical Research Unit
for Reproductive Medicine and
Department of Experimental
Endocrinology
University Women's Hospital
Steinfurter Str. 107
D-4400 Münster, Federal Republic
of Germany*

Arif A. Zaidi

*Department of Biological Science
Quaid-i-Azam University
Islamabad, Pakistan*

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