
ACTA BIO MEDICA

ATENEI PARMENSIS
FOUNDED 1887

OFFICIAL JOURNAL OF THE SOCIETY OF MEDICINE AND NATURAL SCIENCES OF PARMA

free on-line: www.actabiomedica.it

EDITOR IN CHIEF

Maurizio Vanelli - Parma, Italy

DEPUTY EDITOR

Marco Vitale - Parma, Italy

ASSOCIATE EDITORS

Carlo Chezzi - Parma, Italy

Roberto Delsignore - Parma, Italy

Guglielmo Masotti - Parma, Italy

Almerico Novarini - Parma, Italy

Giacomo Rizzolatti - Parma, Italy

EDITORIAL BOARD

Fernando Arevalo - Caracas, Venezuela

Judy Aschner - Nashville, TN, USA

Michael Aschner - Nashville, TN, USA

Alberto Bacchi Modena - Parma, Italy

Salvatore Bacciu - Parma, Italy

Cesare Beghi - Parma, Italy

Sergio Bernasconi - Parma, Italy

Stefano Bettati - Parma, Italy

Corrado Betterle - Padova, Italy

Saverio Bettuzzi - Parma, Italy

Mauro Bonanini - Parma, Italy

Antonio Bonati - Parma, Italy

Antonio Bonetti - Parma, Italy

Loris Borghi - Parma, Italy

David A. Bushinsky, Rochester, NY, USA

Anna Butturini - Los Angeles, CA, USA

Carlo Buzio - Parma, Italy

Ardeville Cabassi - Parma, Italy

Paolo Caffarra - Parma, Italy

Anthony Capone Jr. - Detroit, MI, USA

Francesco Ceccarelli - Parma, Italy

Gian Paolo Ceda - Parma, Italy

Franco Chiarelli - Chieti, Italy

Marco Colonna - St. Louis, MO, USA

Paolo Coruzzi - Parma, Italy

Lucio Guido Maria Costa - Parma, Italy

Cosimo Costantino - Parma, Italy

Massimo De Filippo - Parma, Italy

Filippo De Luca - Messina, Italy

Giuseppe De Panfilis - Parma, Italy

Francesco Di Mario - Parma, Italy

Guido Fanelli - Parma, Italy

Vittorio Gallese - Parma, Italy

Livio Garattini - Milano, Italy

Mario J. Garcia - New York, NY, USA

Gian Carlo Gazzola - Parma, Italy

Dominique Gendrel - Paris, France

Geoffrey L. Greene - Chicago, IL, USA

Donald J. Hagler - Rochester, MINN, USA

Rick Hippakka - Chicago, IL, USA

Andrew R. Hoffman - Stanford, CA, USA

Joachim Klosterkoetter - Colonia, Germany

Ingrid Kreissig - Heidelberg, Germany

Ronald M. Lechan - Boston, MA, USA

Nicola Longo - Salt Lake City, UT, USA

Wanyun Ma - Beijing, China

Marcello Giuseppe Maggio - Parma, Italy

Norman Maitland - York, United Kingdom

Gian Camillo Manzoni - Parma, Italy

Emilio Marangio - Parma, Italy

James A. McCubrey - Greenville, NC, USA

Mark Molitch - Chicago, IL, USA

Antonio Mutti - Parma, Italy

Giovanni Battista Nardelli - Parma, Italy

Giuseppe Nuzzi - Parma, Italy

Jose Luis Navia - Cleveland, OH, USA

Dario Olivieri - Parma, Italy

Donald Orlic - Bethesda, MD, USA

Marc S. Penn - Cleveland, OH, USA

Silvia Pizzi - Parma, Italy

Federico Quaini - Parma, Italy

Stephen M. Rao - Cleveland, OH, USA

Vittorio Rizzoli - Parma, Italy

Luigi Roncoroni - Parma, Italy

Shaukat Sadikot - Mumbai, India

Simone Cherchi Sanna - New York, NY, USA

Leopoldo Sarli - Parma, Italy

Mario Savi - Parma, Italy

Robert S. Schwartz - Denver, Colorado, USA

Anthony Seaton - Edinburgh,

United Kingdom

Mario Sianesi - Parma, Italy

Carlo Signorelli - Parma, Italy

Giovanni Soncini - Parma, Italy

Nino Stocchetti - Milano, Italy

Mario Strazzabosco - New Haven, CT, USA

Maria Luisa Tanzi - Parma, Italy

Roberto Toni - Parma, Italy

Frederik H. Van Der Veen - Maastricht,

The Netherlands

Raffaele Viridis - Parma, Italy

Pietro Vitali - Parma, Italy

Richard Wallensten - Solna, Sweden

Ivana Zavaroni - Parma, Italy

LINGUISTIC ADVISOR

Rossana Di Marzio
Parma, Italy

EDITORIAL OFFICE MANAGER

Anna Scotti
Mattioli 1885 SpA - Casa Editrice
Strada di Lodesana 649/sx, Loc. Vaio
43036 Fidenza (PR), Italy
Tel. ++39 0524 892111
Fax ++39 0524 892006
contact@actabiomedica.it

Alessandro Corrà
Società di Medicina e
Scienze Naturali
Via Gramsci, 12 - Parma, Italy
Tel./Fax ++39 0521 033027

PUBLISHER

Mattioli 1885 SpA Casa Editrice
Strada di Lodesana, 649/sx, Loc. Vaio
43036 Fidenza (PR), Italy
Tel. ++39 0524 892111
Fax ++39 0524 892006
E-mail: edit@mattioli1885.com