

Curriculum Vitae – Prof. Mauro Magnani

MAGNANI Prof. Mauro, Italian, Professor of Biochemistry

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BORN: 9 April 1953, Italy

LANGUAGES: Italian, English

EDUCATION: Univ. Urbino, Italy, 1976

PRIMARY POSITION: Full Professor of Biochemistry and Director Section of Biotechnology, University of Urbino, Italy

PROFESSIONAL MEMBERSHIPS: Biochemical Society; Ital. Biochem. Soc. (member of the board); Int. Ass. Biomed. Gerontol.; Int. Soc. For The Use of Resealed Erythrocytes (President 1991-1993); Red Cell Research Group; European Haematology Association; International Society for Antiviral Research; AAAS; American Society of Human Genetics; International Society for Antiviral Research; International Society for Nucleosides, Nucleotides and Nucleic Acids, etc.

PROFESSIONAL CAREER: Graduate in Biology, University of Urbino, 1976; Visiting Researcher, Dept. Biochemistry, Univ. Birmingham, 1980; Visiting Prof. Dept. Biolgy, Haifa, Israel, 1983; Asst. Prof. Univ. Urbino, 1977-82; Assoc. Prof., 1982-1986; Full Prof. of Biochemistry 1986 - present ;

GOVERNACE EXPERIENCES: Member of the “Consiglio di Amministrazione” University of Urbino; 1995-2001 Dean, Faculty of Sciences University of Urbino; 1998-2005 Director Interuniversity Consortium for Biotechnology (CIB), from November 2006 member of the board and Vice-Director; 2001-2009 Vice Rector of the University of Urbino. From Sept 2011 member of the administrative council of the “Stazione Zoologica Anton Dhorn” Napoli, nominate by the Minister of University and Research, Roma.

ENTERPRENERIAL ACTIVITIES AND RECOGNITIONS: Co-founder of two start up companies: Diatheva SrL was founded in 2002 and is now operated by 12 researchers (www.diatheva.com); EryDel SpA was founded in 2007 and is now operated by 10 professionals and funded by two VC founds (www.erydel.com); Include in the official list of professional biologist with n. 017484. Technical Director nominated by the “Agenzia Italiana del Farmaco, AIFA” with n. AIDT-19/2005; Awarded “Genomic Pioneers” by HUGO and Ocimum (2008),

member of “Accademia Raffaello”, Paul Harris Fellow from The Rotary Foundation. Included in the list of “Top Italian Scientists”

REFEREE: Different Programmes of the E.U.; The International Science Foundation (U.S.A.); Czech Academy of Sciences; The Executive Agency for Higher Education, Research, Development and Innovation Funding of Romania; Deutsche Forschungsgemeinschaft (DFG; German Research Foundation), Target Project “Biotechnology” of the National Research Council (C.N.R.); Member of the Project “Patologia clinica e terapia dell’infezione da HIV” of the Italian Ministry of Health; PRIN and FIRB Projects of Italian Ministry of University and Research; Member of Committee Post Genoma (C.N.R); Member “Comitato Educazione, Formazione e Ricerca” Ministero Politiche Comunitarie; Member “Comitato Nazionale per la Biosicurezza e le Biotecnologie” Presidenza Consiglio dei Ministri; Include in the “Albo degli Esperti” of M.I.U.R. and EU Eureka projects; Biotechnology programmes of the regions Piemonte, Sardegna, Emilia Romagna, Trentino

CURRENT RESEARCH: Red blood cell as drug-delivery systems and as circulating bioreactors; Development and delivery of biologics; Drug efficacy, resistance and drug toxicity; Pharmacogenetic profiling; Modulation of NF-kB and gene expression by oligonucleotide decoy; Nanomaterials in drug delivery and imaging; Recombinant vaccine production; HIV-persistence and reservoirs

PUBLICATIONS: over 400 articles published in international refereed scientific journals (for a complete list see PubMed);

H index = 37

Co-editor of three books:

“*Red Blood Cell Aging*”, Plenum Press, N.Y., 1991, pp. 383.

“*The Use of Resealed Erythrocytes as Carriers and Bioreactors*”, Plenum Press, N.Y., 1992, pp. 361.

“*Erythrocyte Engineering for Drug Delivery and Targeting*”, Landes Bioscience, 2002.

PATENTS:

European Patent EP 0517986B1

M. Magnani, L. Rossi “*Transformed erythrocytes, process for preparing the same, and their use in pharmaceutical compositions*”

US Patent 5,753,221

M. Magnani, L. Rossi “*Transformed erythrocytes, process for preparing the same, and their use in pharmaceutical compositions*”

US Patent N. 6.139.836

Mauro Magnani, Ivo Panzani, Leonardo Bigi, Andrea Zanella “*Method of encapsulating biologically active agents within erythrocytes, and apparatus therefor*”.

Assignee: Dideco S.p.A., Mirandola, Italy

European Patent N. EP98830479.6

M. Magnani, G. Brandi, A. Fraternali, A. Casabianca “*Pharmaceutical composition or composition package containing a pyrimidine nucleoside analogue and a purine nucleoside analogue*”.

Brevetto C.N.R. N. RM92 A 000377

M. Magnani “*Antigeni legati alla superficie esterna di eritrociti e procedimento per la loro preparazione*”

Brevetto C.N.R. N. RM 93 A 000474

M. Magnani “*Eritrociti incorporanti alcool ossidasi e loro uso nelle intossicazioni da metanolo*”

Brevetto C.N.R.

M. Magnani, L. Rossi, G. Brandi, E. Millo, G. Damonte, U. Benatti, A. De Flora “*Profarmaco di acyclovir e suo uso in composizioni farmaceutiche*”

Brevetto di Invenzione N. MI2002A01196 – 06/06/1996 – PCT/IT 02/00368 del 13/06/2002 ; US Patent n. 7,645,788 B2

M. Magnani, C. Fiorucci, P. Filippone, G. Brandi, M. Paiardini. “*Derivato tetramerico dell’indol-3 carbinolo ad attività anticancerogena e metodo di sintesi del derivato stesso*”.

Brevetto di Invenzione N. TO2001A01077 – 16/11/2001

M. Magnani, F. Graziano, A. Ruzzo “*Mutazioni della linea germinale nel promotore del gene della E-caderina e metodi di diagnosi per individuare una maggiore suscettibilità al carcinoma gastrico*”.

Brevetto di Invenzione N.PCT/EP2004/05726 del 29/12/2004

U. Benfatti, G. Brandi, E. Garaci, M. Magnani, E. Millo, AT. Palamara, L. Rossi
“*Derivati del Glutathione e loro utilizzi per il trattamento delle malattie virali*”

United Kingdom – Patent Application N. 0613183.3; US 2010/0061937 A1; EP 07765215.4

M. Magnani, A. Antonelli . “*Delivery of contrasting agents for magnetic resonance imaging*”

International Patent Application PCT/EP2010/003783

M. Magnani, L. Rossi, S. Biagiotti and M. Bianchi “*Drug Delivery Systems*”

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REVIEWER: Nature Biotechnology; Biotechnology Advances; Trends in Biotechnology; Drugs; Leukemia; European Journal Haematology; Biotechnology and Applied Biochemistry; Biochimica et Biophysica Acta; Blood; Journal of Cellular Engineering; Journal of Internal Medicine; Journal of Acquired Immune Deficiency Syndromes and Human Retrovirology; Mechanisms of Ageing and Development; Antiviral Research; Journal of Chromatography; Journal of Biological Regulators and Homeostatic Agents; Life Sciences; Biochemistry; International Journal of Biochemistry and Cell Biology; Human Gene Therapy; European Journal of Biochemistry; Clinical Pharmacokinetics; Autoimmunity; Oncogene; Analytical Biochemistry; The Hematology Journal; Talanta, Sports Medicine, Cell Biology and Toxicology; Letters in Applied Microbiology; Haematologica; J. Controlled Release; Gene; Nanomedicine; Harmful Algae; Analytica Chimica Acta, AIDS Research and Treatment, etc.

Editorial Board: Current Drug Targets; The Open Pharmacology Journal; Biotechnology; World Journal of Pharmacology

