Curriculum Vitae of Dr. Antonietta M. Gatti

Email gatti@unimo.it
Webpage http://www.medicina.unimo.it/biomat/
Doctor in Experimental Phisics at the University of Bologna - Italy
Ph.D. in Biomedical Technologies (Bioengeneering) at the Faculty of Medicine of the University of Bologna – Italy

Academic career :

1. research contract with Tecnomare (Venice) for a research on manganese nodules.
2. research contract at the Institute of Phisics of the University of Ferrara – Italy
3. researcher at the Orthopedic Clinic of the Rizzoli Institute at the University of Bologna – Italy
4. researcher at the University of Modena at the Faculty of Medicine and Surgery – Italy
5. professor of Dental Materials at College of Dentistry. University of Modena
6. in charge of the Laboratory of Biomaterials of the University of Modena.
7. Member of Local Commission for the Research Universitary Funds.
8. elected member of the Italian Interuniversity Center for Biomedical Engineering and Materials
9. Consultant of the University Hospital for the medical devices.
10. Expert for the CEE Projects Biomed 2 “Evaluation of proposals for Technology Stimulation Measures for Small and Medium Size Enteerprises , 1996, Bruxelles
11. from 16 sett. 1996 to 28 Feb 1997 she was **Smart Filter for the project S/MORE of NASA (USA) (project of global didactics).**
12. Expert for the CEE Projects Biomed 2 “Evaluation of proposals for Technology Stimulation Measures for Small and Medium Size Enteerprises , Bruxelles,
13. Expert for the CEE Projects “ Innovation and Sustainable Growth” 2000,Bruxelles .
14. Referee for thje CEE Projects “ Quality of life” 2000 Bruxelles
15. Member of the European Scientific Commission on Medicinal Products and Medical devices at Bruxelles 2000.
16. Expert for the CEE Projects “ Quality of life: Generic activities” 2001 Bruxelles .,

Patent

1990 Patent n..40080 A/90 on Ecovetro, material to detect phosphorus and calcium ion in urban waste polluted waters.

International prize:

GIRSO Prize (Groupment pour l’International Reserche in Stomatologie et Odontologie)at the XXXI Congress for a research on *"Monocrystalline alumina implant in animal: study of the peri-implant tissue”* Palermo (Italy), April 1987.

Scholarships :

1 - CNR grant for a 2-month stay in Osaka (Japan) at the Osaka University and the Osaka Minami National Hospital.
2 - NATO grant for a 2-week stay at the Advanced Progress in Biomechanics Course in Ankara (Turkey).
3 - CNR grant for a 1-week stay in Trieste (Italy) at the International Centre of Physics, for the " Spring College on the Physics of the Polymers".
4 - CEE grant for the Intensive Course on Biomaterials Degradation; Oporto (Portugal).

Grants and contracts

From 1984 she had grants from National Council of Research of Italy also for research with USA, and with Finland, from CEE (Biomed 1) from local government (Regione Emilia Romagna and University), from Central Government (Ministry of the Scientific Research and University) and from Italian and foreign Industries.

Publications in peer-reviewed journals : 140
Published abstracts: 171
Presentations to scientific meetings (lecture/poster): 180

Member of Scientific Society

1. European Society of Biomaterials since 1976
2. Societa' Italiana dei Biomateriali funtil 1994.
3. Società Italiana di Odontostomatologia e Chirurgia Maxillo-Facciale
4. Società Chimica Italiana-Gruppo Interdisciplinare dei Biomateriali since 1994.
5. Società Italiana di Microscopia Elettronica since 1995.
6. IADR-Int. Assoc. of Dental Research since 1998

Congresses organized

1. Plan and care of *"National and European funds for the biomedical research: a bridge between University and Industry"* University of Modena, February 24, 1995.
2. Honorary Member of the International Committee organizing *International Conference on New Biomedical Materials* Portonovo (An) – Italy – May 25-28, 1997,
3. Member of the Scientific Committee of *Bioceramics XI*, New York, November 1998.
4. Chairperson of a session of the Congress of the Int'l Association for Dental Research (IADR) organized by Prof. D. Deville Duperier, Montpellier (France), September 1999.
5. Member of the Scientific Committee of *Bioceramics XII*, Nara (Japan) October 1999 and chairperson of a session.
6. Member of the Scientific Committee of *Bioceramics XIII*, Bologna (Italy), November 2000.

Ad Hoc Referee

1991-3 Referee of Journal of Materials Science: Materials in Medicine
1992 Referee of the Journal "Cells and Materials" of Scanning Microscopy International USA.
1994 Scientific Consultant of a Commission of the European Community for the evaluation of the European market for the biomaterials and and the medical devices.
1996-7-8-9 Referee of Biomaterials. (UK) journal.

Present Research Interests

1. Biomaterials and tissue interface: developing in vivo methods using small and big animals to study biomaterial-induced for dental implants with reduced bacterial adhesivity (CNR grants)
2. Biomaterial-induced calcification: calcium-phosphate, bioglasses (Imperial College and New York University collaborations)
3. Tissue engineering: study of de-cellularization of biological matrix and re-implantation of the cells of the end user (patient). (MURST grant)
4. Pathologies developed by micro- and nano-particles in patients (Philips, University of Cambridge and Mainz collaborations).