

# Aldo Tomasi

## Curriculum Vitae

Aldo Tomasi,

Professor of Clinical Pathology, University of Modena and Reggio Emilia, Medical School.

### **Education:**

- MD, University of Modena (Italy) (1976).
- Specialist in Hygiene and Preventive medicine, University of Modena, (1981)
- Ph.D. in Biochemistry, Brunel University, London (UK) (1985).

### **Teaching Appointments:**

- Clinical Pathology, Medical School, University of Modena (2001- present)
- Clinical Pathology, Various Medical specialization courses, University of Modena (2001- present)
- Pathophysiology, Medical School, University of Modena (1987 -2001)

### **Appointments**

- Scientific director of the Technopark for Medicine, Mirandola-Modena (Italy) 2014-present
- Rector of the University of Modena and Reggio Emilia (2008-2013)
- Dean of the Medical school University of Modena and Reggio Emilia (2005-2008)
- Dean for student affair, medical school, University of Modena, 1999- 2005
- Director of the specialization school in Clinical Pathology (2003-2009)
- Director of the PhD course in "Experimental Medicine". (2001-2008)
- Visiting scientist: ESR National Center, Medical School, University of Illinois at Urbana -Champaign (USA); (1981 and 1986)
- Research fellow; Biochemistry Dept. Brunel University (UK); 1979-1987
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### **Teaching Hospital Appointment**

- Director of the Toxicology Division (Department of Laboratory Medicine), University Teaching Hospital of the University of Modena and Reggio Emilia, (2004-present)

### **Research activity**

- Biocompatibility studies in medical devices. In collaboration with the Nephrology Department, Toxicology, Dentistry, and Biomedical Companies
- Research on biomarkers identification in renal diseases
- Proteomic and genomic studies aimed to the identification for biomarkers: post-translational protein oxidation in inflammation, cancer, end stage renal disease,
- Clinical laboratory application of mass spectrometry.
- Toxicity of polymeric compounds.
- Research on sepsis: role of free radicals and nitric oxide

older studies:

- Electron spin resonance studies / Spin trapping agents in biological model systems.
- Mechanism of iron toxicity. Free radicals in iron overload and in ischemia-reperfusion model systems.

### **Consulting**

- risk/safety assessment for medical devices,
- leachables and extractables in biocompatibility assessment of medical devices

### **Professional Societies:**

Member of the:

Biochemical Society (London),

Society for Free Radical Research (Europe)

Italian Proteome Society

SIBIOC, Italian society Of clinical biochemistry and molecular biology.

Author and co-author of more than 200 peer reviewed publications. Recent publications are centered on proteomic and genomic studies for the identification of clinical biomarkers

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