

## **Prof. Dr. Lucien Reclaru – short CV**

**Prof. Dr. Lucien Reclaru** is a chemist engineer in the field of biomaterials research. His activity is specific in the development and in the physical and chemical characterization of biomaterials. Also, he represents officially Switzerland in the Working Groups of European Community (CE) and of the ISO: CEN /TC 347, Methods for Analysis of Allergens, CEN/TC 347 WG1 Allergy of Nickel, ISO TC 114 /WG2 Dangerous substances and preparations likely to be encountered in watch components; convener, CE- Partner Expert Group (PEG) REACH European Chemical Agency (ECHA), REACH EuroMetaux Precious Metals and Rhenium Consortium - founding member.

**His professional and scientific activity comprises:** More than 100 scientific publications and 70 presentations in international scientific meetings. Apparent scientific impact of a scientist (Hirsh index)  $h$  index = 17, 2008-2024 1450 citations. Reviewer for newspapers: Biomaterials, Acta Biomaterilia, Corrosion Science, Surface and Coatings Technology, Materials Science and Engineering C, Thin Solid Films.

### **Current appointment:**

Consultant of Biomaterials and Toxicologie of materials and dangerous substances, Marin-Neuchatel Switzerland

### **Educational Background:**

- Chemistry engineering degree in the Polytechnic School of Bucharest in 1970
- Bio-Chemistry Doctor Sciences of Columbia University on 1980
- Certificate of Numeral Calculation of Computer Science School of the University of Geneva, on 1982
- PhD in Chemistry of the University of Geneva. on 1987
- Prize winner of the Prix Gheorhe Spacu of the Romanian Academy of Sciences in 1978; Nominated Doctor Honoris Causa at the School of Medicine Titu Maiorescu Bucharest in 1988; Nominated Honorary Member of the Romanian Society of Stomatology in 1999; Honorary Member of Romanian Society for Biomaterials. in 2004, 2024; Nominated Honorary Member of Romanian Dental and Maxillofacial Prosthetics Society

### **Experience:**

- Assistant professor and lecturer in the department of Chimie-Physique of the University of Geneva 1980-1987; Head of a research group for the corrosion and the biocompatibility of dental alloys at Metalor SA. 1987-1991; Responsible for the research in corrosion and biocompatibility of materials at PX Holding SA. 1992-; Professor, dental materials field , in the Ecole Supérieure Technique Dentaire Suisse of the University of Geneva. 1995-; Swiss expert with the CEN /TC 347, Methods for Analysis of Allergens. 1995-; Chairmen of WG2 / ISO TC 1114 dangerous substances and preparations likely to be encountered in watch components 2006- ; Swiss expert REACH, Consortium Precious metals and Rhenium, Euro-Métaux Brussels; Expert Partner Expert Group (PEG) REACH European Chemical Agency (ECHA)

## **Research/clinical interest**

- Corrosion of metallic biomaterials
- Cations release from metallic biomaterials in concentration of nano gramme per liter
- Toxicology of chemical substances and protection of consumer
- Allergy type IV (contact dermatitis) in relation with of metallic, plastics and rubber materials
- Metallic /ceramic implant et dental alloys
- Nano particles of precious metals

## **Present Areas of Research**

The ongoing research work is characterized by the following keywords: corrosion and cations release of metallic biomaterials. Metallic, plastic and rubber materials in contact with skin. Toxicity of ceramic powder. Nano particles of precious metals. New metallic materials, austenitic steels without nickel