

Curriculum Vitae : Dr. Marinella Mazzanti

Born: Vinci, Italy.

Nationality: Italian

Head of the Group of Coordination Chemistry

Institut des Sciences et Ingénierie Chimiques, Ecole Polytechnique Fédérale de Lausanne (EPFL), CH-1015 Lausanne, Switzerland.

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1985: Master in coordination chemistry at the University of Pisa (Italy) and University of Columbia, New York (USA) (supervisors: Prof. C. Floriani and Prof. S. Gambarotta)

1990: PhD in Coordination Chemistry at the University of Lausanne (Switzerland) (supervisor Prof. C. Floriani)

1991-1992: Post-Doc at the University of California, Berkeley (USA) in the group of Prof. W. H. Armstrong

1992-1993: Post-Doc at the University of California, Davis (USA) in the group of Prof. Alan Balch

1994-1996: Marie-Curie Post-Doctoral fellow, at the CEA-Grenoble in the group of Dr. J-C Marchon

1996-2011 Research Scientist and Team Leader in the "Laboratoire de Chimie Inorganique et Biologique" at CEA Grenoble

2011-2014 Research Director and Project Leader at CEA Grenoble

1 September 2014- Senior Scientist Position (MER) at EPFL

Research Interests

Lanthanides and Actinides Coordination Chemistry; Lanthanides and Actinides Supramolecular Chemistry; Redox Reactivity of Low Valent f Elements; Gadolinium Based MRI Contrast Agents; Lanthanide Based Luminescent Architectures; Single

Scientific responsibilities

PhD thesis direction (14); post-docs supervision (10)

Member of the management committee of the European Network COST D-38 (Metal-Based Systems for Molecular Imaging Applications.) Member of COST D18 (« Lanthanide Chemistry for Diagnosis and Therapy » 2004-2006) ,COTS D38 (from 2007), CM1006 EuFEN: European F-Element Network (from 2011).

Member of the Networks EMIL (« European Molecular Imaging Laboratories ») and Actinet (European Network for Actinide Science).

Member of the international organizing committee of the Rare Earth Research Conference and of Actinides international conferences.

Coordinator of ANR projects

Member of the advisory board of Inorganic Chemistry

Teaching

1996-2013, courses on metal complexes, f element coordination chemistry, bioinorganic chemistry, organometallic chemistry at the University of Grenoble and at the Ecole Normale Supérieure de Lyon.

2014, Inorganic chemistry course for material science bachelors at the EPFL

Invited seminars, conferences

More than 30 invited seminars at International conferences and Universities in Europe and USA.

Publications and patents

6 international patents, 119 peer reviewed publications (h 36)