


**PERSONAL INFORMATION** **Mirela Frandeu**

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**WORK EXPERIENCE****2013–Present** **Assistant professor**

University of Medicine and Pharmacy "Victor Babes" Timisoara (Romania)

Teacher and researcher in the Department of Functional Sciences/Medical Informatics and Biostatistics.

- medical research (statistical analysis of medical data, medical image analysis).
- teaching classes of medical informatics and biostatistics.

**2012–2013** **Teaching associate professional**

University of Medicine and Pharmacy "Victor Babes" Timisoara (Romania)

**2007–2010** **Researcher and teaching assistant**

INSA - Institut National des Sciences Appliquées de Lyon, Lyon (France)

Developing simulation programs for elementary particles interactions (in the context of various medical-based scenarios) using Geant4 (a toolkit based on C++), and ROOT (a data analysis framework). Studying and developing image reconstruction algorithms, including various approaches, e.g., Maximum-likelihood EM, Gaussian-based filtering, and wavelets-based techniques.

**2006–2007** **Research Internship**

I3S/CNRS - "Laboratoire d'Informatique, Signaux et Systèmes de Sophia Antipolis", Nice (France)

Studying optimization algorithms based on evolutionary techniques, and their application to a cellular automata problem.

**EDUCATION AND TRAINING****2007–2010** **PhD - Medical Informatics**

University of Lyon, Lyon (France)

PhD title: "Gamma-ray detection and Compton camera image reconstruction with application to hadron therapy"

PhD supervisors: Prof. dr. Remy Prost, Conf. dr. Voichița Maxim - University of Lyon (France).

**2006–2007** **Master in Computer Science (DEA)**

University of Nice Sophia-Antipolis, Nice (France)

Erasmus Student

Master DEA - PMLT (Programmation, Modele, Language, Techniques)

**2002–2006** **Diploma on Mathematics and Informatics**

West University of Timisoara, Timisoara (Romania)

Title: "Implementation of numerical methods for solving differential equations"

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
French	C2	C2	C1	C1	B2
Diplôme de français professionnel - Médical B2					
English	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

Driving licence B