Mircea Adrian Focsa

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WORK EXPERIENCE

30/09/2001 - CURRENT - TIMISOARA, ROMANIA
ASSOCIATE PROFESSOR "VICTOR BABES" UNIVERSITY OF MEDICINE AND PHARMACY

Teaching Medical Informatics and Biostatistics - lectures and laboratory works for undergraduate and postgraduate students (Romanian and English section);

Research in the fields of: medical ontologies, medical algorithms, databases/knowledge bases, biological signals, eLearning and telemedicine.

Deployment of the online support for the Medical Informatics (Moodle: 2004-present) - course and practical works materials, homework, tests, forum, and online final assessment;

Network administration for Medical Informatics Discipline:2001-2005 (server+30 stations);

Developer and Administrator of the university eLearning platform (Moodle) - more than 1k courses and 10k users' accounts - moodle.umft.ro (2013 - 2020)

Member of the Committee for the Admission exam, the License exam and Entrance in Residency exam; Rector's academic advisor on IT&C issues.

Business or sector Education | **Department:** Functional Sciences | **Website:** http://umft.ro

11/04/2016 - 03/05/2018 - BASEL, SWITZERLAND
CLINICAL TRIALS CONSULTANT CLINERION LTD

The implementation in Romania of hospital IT systems for the selection and management of patients in within international multicenter clinical trials

30/06/2014 - 30/12/2015 - BUCUREȘTI, ROMANIA
INDEPENDENT CONSULTANT MOSAIC WORKS

Ontology development on Protege, for the EHR platform „Intellimed". The bilingual (En-Fr) ontology, designated for Belgian GPs, has 20k core concepts and 75k axioms, including the CECAM terminology, SNOMED core and an FMA extract, with UMLS-CUI references.

14/08/2008 - 30/07/2010 - BELGIUM
SENIOR MEDICAL ANALYST MEDICOGNOS SA

Analyze the functional requirements for the development of an EHR; Development of a multilingual (En-Fr) terminology and ontology for primary care; Knowledge management; Clinical pathway design; Symptom checker - web Application

12/1995 - 10/1996 - TIMISOARA, ROMANIA
MEDICAL INTERN TIMIS COUNTY HEALTH DEPARTMENT

Internships in Obstetrics - Gynecology, Cardiovascular Rehabilitation and Pediatrics

EDUCATION & TRAINING

09/2004 - 10/2008 - TIMISOARA, ROMANIA

SPECIALIST IN PUBLIC HEALTH AND HEALTHCARE MANAGEMENT- "VICTOR BABES" UNIVERSITY OF MEDICINE AND PHARMACY

Public Health and Healthcare Management
Level in EQF: 7

09/2001 - 03/2007 - TIMISOARA, ROMANIA
PHD IN MEDICAL SCIENCE- "VICTOR BABES" UNIVERSITY OF MEDICINE AND PHARMACY

Medical Science - Bioinformatics - EHR
Level in EQF: 8

01/2003 - 07/2003 - TIMISOARA, ROMANIA
GRADUATE DIPLOMA FOR ADVANCED DATABASES POSTGRADUATE COURSE- UNIVERSITY OF THE WEST

Oracle
MySQL
Level in EQF: 6

09/2000 - 07/2001 - CLUJ NAPOCA, ROMANIA
MASTER IN MEDICAL INFORMATICS AND BIOSTATISTICS- "IULIU HATIEGANU" UNIVERSITY OF MEDICINE AND PHARMACY

Medical Informatics Biostatistics Image processing
Level in EQF: 7

09/1999 - 10/2000 - TIMISOARA, ROMANIA
GRADUATE DIPLOMA FOR DISTRIBUTIVE INFORMATICS- UNIVERSITY OF THE WEST

Computer Architecture, Computer Networks, Distributed Operating Systems, Artificial Intelligence, Algorithms Theory, Mathematical software, Graphical Interfaces, Programming algorithms, Data Structures, C/C++ programming, Distributive DataBases
Level in EQF: 6

08/1989 - 07/1995 - TIMISOARA, ROMANIA
MEDICAL DOCTOR - LICENSE IN GENERAL MEDICINE- "VICTOR BABES" UNIVERSITY OF MEDICINE AND PHARMACY

General Medicine
Level in EQF: 6

- **LANGUAGE SKILLS**

Mother tongue(s): **ROMANIAN**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C2	C1	C1	C2
FRENCH	B1	B1	A2	A2	A2

- **SKILLS**

Microsoft Office | Basic Pyton programming skills | Database: SQL, Oracle

- **DIGITAL SKILLS TEST RESULTS**

	Information and data literacy	**ADVANCED**	Level 6/6
	Communication and collaboration	**ADVANCED**	Level 6/6
	Digital content creation	**ADVANCED**	Level 6/6
	Safety	**ADVANCED**	Level 6/6
	Problem solving	**ADVANCED**	Level 6/6

Results from a [Self-assessment](#) Based on [The Digital Competence Framework 2.1.](#)

- **NETWORKS AND MEMBERSHIPS**

Memberships - Ministry of Research, Innovation and Digitisation **MCDI** - Medicine Commission of the National Council for Scientific Research **CNCS**

- Ministry of Research, Innovation and Digitisation **MCDI** - National Register of Experts for the certification of the research-development activity

- Member of the **EUROREC General Assembly** – European Institute for Health Records

- President of **PROREC Romania** - Romanian Association for Electronic Registration of Medical Data

- Member of **RSMI** – Romanian Society of Medical Informatics

- Member of **RSPAB** - Romanian Society of Pure and Applied Biophysics

- Member of **ISCB** - International Society for Clinical Biostatistics

- Member of **CMSBAD** - Center for Modeling Biological Systems and Data Analysis

- **DRIVING LICENCE**

Driving licence: B

- **CONFERENCES & SEMINARS**

Conferences - Medical Informatics Europe Conference - MIE**2025** Glasgow

- IQ Digital **2023**-Timișoara, **2024**-Craiova, Oradea, **2025**-Constanța

- ASME Researching Medical Education Conference **2020**: Re-thinking Scholarship in Medical Education Research

- Cybersecurity, Smart Cities And Critical Infrastructure Conference - **2018** Sofia

- Inaugural Conference of the European Institute for Innovation through Health Data (i~HD), **2016** Paris

- National conferences of Medical Informatics: **2014** - Bucharest, **2012** – Timisoara, **2010** – Arad, **2007** – Sibiu, **2006**-Timişoara, **2004** -Tg. Mureş, **2003** - Craiova, **2002** - Timisoara, **2001** - Bucharest

- The European Conference on Medical Informatics: **MIE 2002** - Budapest, **MIE 2009**- Sarajevo

- Annual**Eurorec Conference:** Tallinn – **2010**, Sarajevo - **2009**, Vienna – **2007**, Geneva – **2006**

- **The World of Health IT** Conference: **2010** - Barcelona, **2009** - Prague, **2007** - Viena, **2006** - Geneva

-**eHealth High Level Conference: 2008** - Portoroz, Slovenia; **2006** - Malaga, Spain

- **Graz Conference on Medical Education:** Viena - **2013**, Timișoara - **2012**

- Conference **Forum Invest:** Policies & Business Mechanisms in the CEE Healthcare Sectors, Bucharest, **2007, 2008**

-**ROCS 2007** - e-Health: priorities and strategies for ROMANIA, Bucharest, 2007

- **STC 2006 & Romedinf -** EFMI Special Topic Conferences - Timisoara**, 2006**

● PROJECTS

Projects - *Projects with **European**funds:*

Ian. 2006 - July 2008 -**"QREC"** – *European Quality Labelling and Certification of EHR Systems*; grant FP 6 - Contract IST-027370-SSA; legally authorised representative Prorec RO

Feb. 2009 – Jan. 2012 – **EHR-QTN**- *Thematic Network on Quality Labelling And Certification of EHR Systems*; grant FP7 CIP – 238912; legally authorised representative Prorec Romania

May 2010 – July 2012 – **epSOS (I/II)** - *Smart Open Services for European Patients*; grant FP7 CIP - ICT PSP; Industry Team member (Medicognos)

Sept. 2010 – Feb. 2012 - **SESPROT** - *Joint efforts to describe the solute effects on the structure and function of bioenergetically and medically relevant proteins and peptides*; HURO/0901/219/2.2.2; member (University of Medicine and Pharmacy Timisoara)

Apr. 2012 – Dec. 2013 – **EMediqual** - *European quality and professional competence in medical education and in management of the educational activities*; POSDRU 86/1.2/S/63815; management team member and IT expert for educational management tools (University of Medicine and Pharmacy Timisoara)

April. 2013 - **ANATOMOPAT** *Morphopathology Laboratory - professional and organizational training through implementation of quality management*; POSDRU/81/3.2/S/58942;

2017-2019 - **DOOLEE***Development Of Online Learning Environment for e-Health;*Erasmus + 2017-1-BG01-KA203-036310

2023-2026 - **TEAM** Telemedicine Education Advancement through Micro-credentials Erasmus + 2023-1-SI01-KA220-HED-000165481

- *Projects with **national**funds:*

- 2007-2010 – „**SIMIMED"** - Sistem integrat de management a informaţiilor medicale utilizând standardul HL7, grant PNCDI-II

- Oct. 2006 - July 2008-**"MaternQual"** - Sistem informatic integrat de evaluare complexă a factorilor asociaţi predicţiei riscului şi calităţii în obstetrică; grant CEEX Nr. 99/2006

- Oct. 2005 - July 200**8 - „NanoSim"** - Procese de transport şi structurare la scară micro/nanometrică în biomedicină şi ştiinţa materialelor; grant CEEX Nr. 11/2005

- Oct. 2004 - July 2006 - **"BioVIEW"** - Pachet de programe pentru simularea proceselor biologice cu interfaţă dedicată; grant VIASAN Nr. 312/2004

- Oct. 2004 - July 2006-**"CARDIORISC"** - Evaluarea riscului cardio-vascular la tineri; metode de bune practici în educaţia pentru sănătate; grant VIASAN Nr. 465/2004

-**FDI 2019, 2020,2021** - Expert E-Learning tools development for the Institutional Development Fund for state universities

● JOB-RELATED SKILLS

Job-related skills

- **External Expert for European Commission**:
  • COST - EU Framework Program
  • CEF-Telecom - eHealth area
  • Horizon 2020, Horizon Europe

- **Expert of the Ministry of Research, Innovation and Digitization** for the certification of research and development activity

- **National expert** UEFISCDI**, Erasmus National Agency** ANPCDEFP

- **Editor**: J Med Internet Res, JMIR Public Health & Surveillance, JMIR mHealth and uHealth, JMIR Medical Informatics

- **Invited speaker**:
  • Summer School: Towards building sustainable and co-created telemedicine systems in the Western

Balkan countries, Tirana, Albania, September 4-8, 2023
- Summer School on Telemedical care: facilitators and barriers in the West Balkan region. Budva, Montenegro, August 2-6, 2022
- SyberCon - European Cybersecurity Conference 2018, Sofia, Bulgaria
- MoodleMoot România 2016, Timișoara, Romania
- South-East Europe Summit on eHealth Interoperability, Athen, Greece, 2014
- Certification of Electronic Health Record Systems Conference, Lodz, Poland 2012
- The World of Health IT 2007 Conference (section ES23), Vienna

- **Member of the scientific committee** of Medinf 2007 Conference, and Romedinf 2014

- **Reviewer** - Romedinf 2006, MIE 2009- 2026, Medinfo 2019-2023, pHealth 2015-2024, NI2016-2019, EFMI STC - 2016-2025, Journal of Medical Systems, Applied Medical Informatics, Journal of Medical Internet Research

● ORGANISATIONAL SKILLS

Organisational skills

- **Leadership**

- founding member and from 2011 President of the Prorec Romania Association   - 2013 founding member and leader of the eLearning Center - Victor Babes University of Medicine and Pharmacy Timisoara   - the Romanian partner representative in 3 projects (FP6, FP7, Erasmus+)

- **Organizational skills**

- Consultancy for the integration of the first Romanian hospitals into Clinerion Global patient recruitment network for Clinical Trials - 2016-2018

- Secretary of the Organizing committee: - STC 2006 & Romedinf - EFMI Special Topic Conferences - Timisoara, 2006   - Workshop - Present and Future of EHR (Electronic Health Record) in Romania, Bucharest, 2007   - Co-chair RO-MEDINF 2010 - The 31 Medical Informatics National Conference

● COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

good communication skills gained through participation in:

- Large international research consortia (Eurorec Institute)

- International EHR development team (team members from Belgium, USA, Ireland and Romania) - Medicognos 2008-2010, Mosaic Works 2014-2015

- Theme Advisory Committee for Health Services (CCTSS) of the Ministry of Health, Working Group 2-Health Information Technologies-eHealth (2012-2013)