

## PERSONAL INFORMATION

## Mircea Focsa



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Sex Male | Date of birth 13/10/1967 | Nationality Romanian

## WORK EXPERIENCE

1 Oct 2001–Present

**Associate professor**

Victor Babes University of Medicine and Pharmacy  
Pta Eftimie Murgu 2, 300041 Timisoara (Romania)  
<http://umft.ro>

Teaching Medical Informatics and Biostatistics - lectures and laboratory works for the First year students (romanian and english section);  
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 administrator for Medical Informatics Discipline:2001-2005 (server+30 stations); Developer and Administrator of the university eLearning platform (Moodle) - 1000 courses and more than 10000 users' accounts;  
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 - Medical Informatics Department

1 Jul 2014–31 Dec 2015

**Independent consultant**

Mosaic Works, București (Romania)

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.

**Business or sector** Domain Ontology development

15 Aug 2008–31 Jul 2010

**Senior medical analyst**

Medicognos SA (Belgium)

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

Jun 2004–May 2006

**General manager**

Fokart Publishing House, Timisoara (Romania)

- Coordinating the publishing activity;  
- Database design and management (Access, MySQL);  
- Web-design (HTML, PHP, Flash) and web-admin

Jan 1996–Oct 1996

**Medical intern**

Timis County Health Department, Timisoara (Romania)

Internships in Obstetrics - Gynecology, Cardiovascular Rehabilitation and Pediatrics

EDUCATION AND TRAINING

Oct 2004–Oct 2008	<p><b>Specialist in Public Health and Healthcare Management</b></p> <p>Victor Babes University of Medicine and Pharmacy Timisoara</p> <p>Public Health and Healthcare Management</p>	EQF level 7
Oct 2001–Mar 2007	<p><b>PhD in medical science</b></p> <p>Victor Babes University of Medicine and Pharmacy Timisoara, Timisoara (Romania)</p> <p>Medical Science - Bioinformatics - EHR</p>	EQF level 8
Feb 2003–Jul 2003	<p><b>Graduate Diploma for Advanced Databases (Oracle, MySQL) postgraduate course</b></p> <p>University of the West, Timisoara (Romania)</p>	EQF level 6
Oct 2000–Jul 2001	<p><b>Master in Medical Informatics and Biostatistics</b></p> <p>Iuliu Hatieganu University of Medicine and Pharmacy, Cluj Napoca (Romania)</p> <p>Medical Informatics Biostatistics Image processing</p>	EQF level 7
Oct 1999–Oct 2000	<p><b>Graduate Diploma for Distributive Informatics</b></p> <p>University of the West, Timisoara (Romania)</p> <p>Computer Architecture, Networks, Distributed Operating Systems, Artificial Intelligence, Algorithms Theory, Mathematical software, Graphical Interfaces, Programming algorithms, Data Structures, C/C++ , Distributive DataBases</p>	EQF level 6
Sep 1989–Jul 1995	<p><b>Medical doctor - License in General Medicine</b></p> <p>Victor Babes University of Medicine and Pharmacy Timisoara, Timisoara (Romania)</p> <p>General Medicine</p>	EQF level 6

PERSONAL SKILLS

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C2
French	B1	B2	B1	B1	B1

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

**Communication 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)

- Organisational / managerial skills**
- leadership
    - founding member and from 2011 President of the Prorec Romania Association
    - founding member and leader of the eLearning Center - Victor Babes University of Medicine and Pharmacy Timisoara
    - the Romanian partner representative in 2 research projects (FP6 and FP7)
  - organizational skills - 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
- Job-related skills**
- Independent External Expert for European Commission:
    - COST 2015 - EU Framework Program
    - CEF-Telecom - eHealth area
  - Invited speaker:
    - MoodleMoot România 2016, Timișoara, Romania, 2016
    - 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, 2007
  - Co-chair RO-MEDINF 2010 - The 31 Medical Informatics national Conference
  - Member of the scientific committee of Medinf 2007 Conference, Romedinf 2014
  - Reviewer - Romedinf 2006, MIE - STC 2009, MIE 2011, MIE 2012, MIE 2014, MIE 2015, pHealth 2015, NI2016, EFMI STC - 2016, Journal of Medical Systems 2014-2016, Applied Medical Informatics 2016
- Digital competence**
- Programming: C++, PHP, Flash, Java
  - Databases: FoxPro, Access, MySQL, Oracle
  - Web design/admin: [prorec.ro](http://prorec.ro), [moodle.umft.ro](http://moodle.umft.ro), [emediqual.umft.ro](http://emediqual.umft.ro)
  - Implementing and administration of eLearning platforms: Moodle (2004 - present)
- Driving licence** B

## ADDITIONAL INFORMATION

- Memberships**
- 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
- 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-Q™**- *Thematic Network on Quality Labelling And Certification of EHR Systems*; grant FP7 CIP – 238912; legally authorised representative Prorec Romania
    - May 2010 – July 2012 – **epsSOS (III)** - *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;

- **Projects with national funds:**

- 2007-2010 – „**SIMIMED**” - Sistem integrat de management a informațiilor medicale utilizând standardul HL7, grant PNCDI-II
- Oct. 2006 - July 2008- "**MaternQual**" - Sistem informatic integrat de evaluare complexă a factorilor asociați predicției riscului și calității în obstetrică; grant CEEX Nr. 99/2006
- Oct. 2005 - July 2008 - „**NanoSim**” - Procese de transport și structurare la scară micro/nanometrică în biomedicină și știința materialelor; grant CEEX Nr. 11/2005
- Oct. 2004 - July 2006 - “**BioVIEW**” - Pachet de programe pentru simularea proceselor biologice cu interfață dedicată; grant VIASAN Nr. 312/2004
- Oct. 2004 - July 2006- "**CARDIORISC**" - Evaluarea riscului cardio-vascular la tineri; metode de bune practici în educația pentru sănătate; grant VIASAN Nr. 465/2004

**Conferences**

- National conferences of Medical Informatics: **2014** - Bucharest, **2012** – Timisoara, **2010** – Arad, **2007** – Sibiu, **2006**-Timișoara, **2004** -Tg. Mureș, **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**

**Publications**

1. M.Focsa, An Architectural Approach for Building Medical Ontologies, Applied Medical Informatics, Vol. 38, No. 2/2016, pp: 66-72
2. M.Focsa, Gh I Mihalas, Chapter: EHR Ecosystem. In Book: Pervasive and Mobile Sensing and Computing for Healthcare, Editors: Mukhopadhyay, Postolache, Springer 2012, ISBN: 978-3-642-32538-0
3. Focșa M, Certificarea calității Sistemelor de Evidență Electronică a Datelor Medicale. Eurobit, Timișoara, 2007. ISBN 978-973-620-299-5
4. R Chicea, F Ispasoiu, M.Focsa Seminal plasma insemination during ovum-pickup - a method to increase pregnancy rate in IVF/ICSI procedure. J Assist Reprod Genet, 2013 Volume 30, Issue 4, pp. 569 – 574 (IF: 1,823)
5. Jianu DC, Jianu Silvana Nina, Petrica Ligia, Muresanu DF, Popescu BO, Focsa MA Anterior ischemic optic neuropathies: clinical and ultrasonographic characteristics in arteritic versus nonarteritic forms Am J Neuroprotec Neuroregen 2012, 4(2), 154-162 ISSN: 1947-2951
6. Sporea, R. L. Sirlu, A. Deleanu, A. Popescu, M. Focsa, M. Danila, A. Tudora Acoustic Radiation Force Impulse Elastography as Compared to Transient Elastography and Liver Biopsy in Patients with Chronic Hepatopathies Ultrascall in Med 2011; 32: 46-52 DOI: 10.1055/s-0029-1245360 (IF: 2,398)
7. Sporea I, Șirlu R, Popescu A, Bota S, Badea R, Lupșor M, Focșa M, Dănilă M Is it better to use two elastographic methods for liver fibrosis assessment? World J Gastroenterol. 2011 Sep 7;17(33):3824-9 (IF: 2,471)
8. Focșa M, Knowledge-based EHR Systems. Solution-based Medical Informatics, Proceedings of the 31st Romanian National Conference on Medical Informatics, Ed. Victor Babeș 2010, pp.64-68
9. Focșa M Web-based calculator for cardiovascular disease risk estimation. Ioana Moisil et al (Eds.) - Proceedings of the Medinf 2007 29th International Conference of the RSMI, Sibiu: Editura Universității Lucian Blaga, 2007:194-197 ISSN 1843-651X
10. Focșa M EHR Integration of Medical Algorithms. Assa Reichert et al (Eds.) "Integrating Biomedical Information: From eCell to ePatient" - Proceedings of the European Federation for Medical Informatics Special Topic Conference, Berlin: Aka GmbH, 2006: 392-394
11. Focșa M Mixing open learning with classical teaching methods. Hasman A, Mantas J (eds), Healthand Medical Informatics Applications. Aka GmbH, Berlin, 2005, 66-68

**ResearchGate**: 46 publications, 306 citations, 155 Impact Points, 28.6 RG score