

**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

Name



PROFESSOR ALEMKA MARKOTIĆ, MD, PHD
DIRECTOR, UNIVERSITY HOSPITAL FOR INFECTIOUS DISEASES "DR. FRAN MIHALJEVIĆ", ZAGREB
HEAD, MINISTRY OF HEALTH REFERENCE CENTER FOR URINARY TRACT INFECTIONS
FULL PROFESSOR AT THE FACULTY OF MEDICINE, UNIVERSITY OF RIJEKA
FULL PROFESSOR OF THE MEDICAL FACULTY, CROATIAN CATHOLIC UNIVERSITY
PRESIDENT OF THE CROATIAN ACADEMY OF MEDICAL SCIENCES
DOMESTIC MEMBER OF THE ACADEMY OF SCIENCES AND ARTS OF BOSNIA AND HERZEGOVINA

Address	UNIVERSITY HOSPITAL FOR INFECTIOUS DISEASES "DR. FRAN MIHALJEVIĆ" MIROGOJSKA 8, 10000 Zagreb, Croatia
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Nationality

Croatian

Date of birth

[07.10.1964]

WORK EXPERIENCE

• Dates (from – to)	1989-1990
• Name and address of employer	Outpatient Clinic – general practice
• Type of business or sector	Mandatory medical internship
• Occupation or position held	Medical doctor – general practice
• Main activities and responsibilities	Mandatory medical internship
• Dates (from – to)	1990-1993
• Name and address of employer	Department for Microbiology, Medical School, University of Sarajevo, BH
• Type of business or sector	Medical microbiology and parasitology
• Occupation or position held	Research assistant
• Main activities and	Work on an international research project on Ribavirin therapy of patients with hemorrhagic

responsibilities	fever with renal syndrome with the U.S. Army Medical Research Institute for Infectious Diseases, Maryland, USA Work with students Serological diagnosis of hantavirus
• Dates (from – to)	1992-1994
• Name and address of employer	Healthcare "Caritas" Vrhbosna, Sarajevo, Bosnia and Herzegovina
• Type of business or sector	Charitable medical work
• Occupation or position held	Medical doctor
• Main activities and responsibilities	Work organization "Caritas" war pharmacy and outpatient clinic Working with patients in outpatient clinic, pharmacy Home visits
• Dates (from – to)	1993-1994
• Name and address of employer	Department for Microbiology, Medical School, University of Sarajevo, BH
• Type of business or sector	Medical microbiology and parasitology
• Occupation or position held	Faculty assistant
• Main activities and responsibilities	Exercises for students of medicine, dentistry and pharmacy
• Dates (from – to)	1994
• Name and address of employer	Catholic Relief Services-CRS, Zagreb
• Type of business or sector	Charitable medical work
• Occupation or position held	Medical coordinator
• Main activities and responsibilities	Organization and planning of drug supply for displaced and refugee settlements in Croatia Field epidemiologic studies on prevalence of chronic non-communicable diseases in displaced and refugee settlements in Croatia - health monitoring Reports, coordination with other humanitarian organizations and non-governmental bodies, employees of WHO Regional center
• Dates (from – to)	1994-1995
• Name and address of employer	Viral Vaccines and Interferon Quality Control Unit, Institute of Immunology, Zagreb, Croatia
• Type of business or sector	Viral vaccines and interferon quality control
• Occupation or position held	Associate
• Main activities and responsibilities	Conducting laboratory methods for testing of viral vaccines and leukocyte interferon according to GLP Establishing of new methods Control of vaccines in accordance with national regulations, the WHO, EU Ph., ICH, FDA Keeping complete records related to the control of viral vaccines and interferon
• Dates (from – to)	1995-1999
• Name and address of employer	Viral Vaccines and Interferon Quality Control Unit, Institute of Immunology, Zagreb, Croatia
• Type of business or sector	Viral vaccines and interferon quality control
• Occupation or position held	Head of the Unit
• Main activities and responsibilities	Management of the viral vaccines and interferon quality control Conducting laboratory methods for testing of viral vaccines and leukocyte interferon according to GLP Establishing new methods and stability studies Control of vaccines in accordance with national regulations, the WHO, EU Ph., ICH, FDA Keeping complete records related to the control of viral vaccines and interferon
• Dates (from – to)	1999-2000
• Name and address of employer	Virology Division, Molecular Virology Department, US Army Medical Research Institute for Infectious Diseases, Frederick, Maryland, USA
• Type of business or sector	Postdoctoral research

• Occupation or position held	Postdoc, scholarship National Research Council, National Academy of Science, USA
• Main activities and responsibilities	Postdoctoral research on the role of cytokines and chemokines in the immunopathogenesis of hemorrhagic fever with renal syndrome and hantavirus pulmonary syndrome, own project Theoretical training for work in the Biosafety Level 3 and 4 laboratories (BSL3 and BSL4) Practical training and certification for work in the BSL3 laboratory
• Dates (from – to)	2000-2004
• Name and address of employer	Department of Research and Development Cellular Immunology Unit, Institute of Immunology, Zagreb
• Type of business or sector	Virological and immunological research
• Occupation or position held	Research associate
• Main activities and responsibilities	Research of immunopathogenesis, molecular epidemiology and clinical features of hemorrhagic fever with renal syndrome and other intracellular pathogens Innovative technological solutions in leukocyte interferon production Independent conduction of scientific and technological projects Mentoring junior researchers - PhD students Laboratory diagnosis of hantaviruses
• Dates (from – to)	2004-2005
• Name and address of employer	Department of Research and Development Cellular Immunology Unit, Institute of Immunology, Zagreb
• Type of business or sector	Virological and immunological research
• Occupation or position held	Senior Research Fellow
• Main activities and responsibilities	Research of immunopathogenesis, molecular epidemiology and clinical features of hemorrhagic fever with renal syndrome and other intracellular pathogens Innovative technological solutions in leukocyte interferon production Independent conduction of scientific and technological projects Mentoring junior researchers - PhD students Laboratory diagnosis of hantaviruses
• Dates (from – to)	2005-2010
• Name and address of employer	Research Unit, University Hospital for Infectious Diseases "Dr. Fran Mihaljević, Zagreb
• Type of business or sector	Organization of the research activities in the Hospital
• Occupation or position held	Head
• Main activities and responsibilities	Organization of the research activities in the Hospital Designing and organizing of research projects Mentoring junior researchers - PhD students Laboratory diagnosis of zoonoses Project coordination „Telemedicine in infectious diseases“ with the University of Texas Medical Branch, Galveston, TX, SAD
• Dates (from – to)	Since 2007-
• Name and address of employer	Department of urogenital infections, University hospital for Infectious Diseases "Dr. Fran Mihaljevic ", Zagreb
• Type of business or sector	Clinical work with patients
• Occupation or position held	specialist in infectious diseases
• Main activities and responsibilities	Clinical work with patients Working in a specialist clinic for urogenital activity Temporary 24 h duty in the hospital
• Dates (from – to)	Since 2007-
• Name and address of employer	Department for Research, University Hospital for Infectious Diseases "Dr. Fran Mihaljević, Zagreb
• Type of business or sector	Organization of the research activities in the Hospital
• Occupation or position held	Head
• Main activities and	Organization of the research activities in the Hospital

responsibilities	Designing and organizing of research projects Mentoring junior researchers - PhD students Laboratory diagnosis of zoonoses Project coordination „Telemedicine in infectious diseases“ with the University of Texas Medical Branch, Galveston, TX, SAD Management of BSL3 laboratory Management of Clinical Immunology Laboratory
• Dates (from – to)	2014-2016
• Name and address of employer	University Hospital for Infectious Diseases "Dr. Fran Mihaljević, Zagreb
• Type of business or sector	Management of the Hospital
• Occupation or position held	Assistant director
• Main activities and responsibilities	Assistance in hospital management
• Dates (from – to)	Since 2016
• Name and address of employer	University Hospital for Infectious Diseases "Dr. Fran Mihaljević, Zagreb
• Type of business or sector	Management of the Hospital
• Occupation or position held	Acting director
• Main activities and responsibilities	Hospital management
• Dates (from – to)	Since 2016
• Name and address of employer	University Hospital for Infectious Diseases "Dr. Fran Mihaljević, Zagreb
• Type of business or sector	Management of the Clinical Department for Urinary Tract Infection
• Occupation or position held	Head
• Main activities and responsibilities	Clinical Department Management, Patients management
• Dates (from – to)	Since 2017
• Name and address of employer	University Hospital for Infectious Diseases "Dr. Fran Mihaljević, Zagreb
• Type of business or sector	Management of the Hospital
• Occupation or position held	Director
• Main activities and responsibilities	Hospital management
• Dates (from – to)	Since 2022
• Name and address of employer	Medical Faculty, Croatian Catholic University, Zagreb, Croatia
• Type of business or sector	Higher Education
• Occupation or position held	Full professor in permanent position
• Main activities and responsibilities	Lectures for students, Research

EDUCATION AND TRAINING

• Dates (from – to)	1979 – 1983
• Name and type of organization providing education and training	Gymnasium "Prof. Rizah Odžackić", Zavidovići, BH
• Principal subjects/occupational skills covered	Secondary school
• Dates (from – to)	1983 – 18.04.1989
• Name and type of organization providing education and training	Medical Faculty, University of Sarajevo, BH
• Principal subjects/occupational skills covered	School of Medicine
• Title of qualification awarded	Medical doctor
• Level in national classification (if appropriate)	MD

• Dates (from – to)	July 1987
• Name and type of organization providing education and training	Clinic for Cardiac Surgery, Clinic for Abdominal Surgery, Akademia Medyczna, Krakow, Poland
• Principal subjects/occupational skills covered	student internship
• Dates (from – to)	August 1988
• Name and type of organization providing education and training	Clinic for Internal Medicine, "Rebro" University Hospital of Zagreb, Croatia
• Principal subjects/occupational skills covered	student internship
• Dates (from – to)	May 1989
• Name and type of organization providing education and training	Institute for Immunobiology and Virology "Torlak", Belgrade, Serbia
• Principal subjects/occupational skills covered	Training in hantavirus laboratory diagnosis
• Dates (from – to)	1989-1991
• Name and type of organization providing education and training	Medical Faculty, University of Zagreb, Croatia
• Principal subjects/occupational skills covered	Postgraduate Study in Medical Microbiology and Parasitology
• Title of qualification awarded	Master of Medical Sciences (1996)
• Level in national classification (if appropriate)	MSc
• Dates (from – to)	February 2004
• Name and type of organization providing education and training	Department for Microbiology and Immunology, World Health Organization, Geneva, Switzerland
• Principal subjects/occupational skills covered	Temporary advisor
• Dates (from – to)	October 2004
• Name and type of organization providing education and training	Third Central European International School of Immunology, Košice, Slovačka
• Principal subjects/occupational skills covered	Immunology training
• Dates (from – to)	June 1996
• Name and type of organization providing education and training	Training Course "Advances in Animal Cell Culture", European Collection of Cell Cultures and Instituto de Biologia Experimental e Tecnologica (IBET), Lisbon, Portugal
• Principal subjects/occupational skills covered	Cell cultures training
• Dates (from – to)	1993-1997
• Name and type of organization providing education and training	Medical Faculty University of Sarajevo, BH and Institute of Immunology Zagreb, Croatia University Hospitals in Sarajevo and Zagreb
• Principal subjects/occupational skills covered	Specialization, Clinical Immunology
• Title of qualification awarded	Specialist in Clinical Immunology
• Dates (from – to)	1996-1999
• Name and type of organization	Medical Faculty University of Zagreb, Croatia and Institute of Immunology Zagreb, Croatia

providing education and training	
• Principal subjects/occupational skills covered	PhD research
• Title of qualification awarded	Doctor of Sciences
• Level in national classification (if appropriate)	PhD
• Dates (from – to)	1999-2000
• Name and type of organization providing education and training	National Research Council, National Academy of Science, US Army Medical Research Institute for Infectious Diseases, Frederick, Maryland, SAD
• Principal subjects/occupational skills covered	Postdoctoral research, training for work in BSL3 laboratory
• Dates (from – to)	2003-2007
• Name and type of organization providing education and training	Institute of Immunology Zagreb and University Hospital for Infectious Diseases, Zagreb Croatia, University Hospitals in Zagreb
• Principal subjects/occupational skills covered	Specialization in infectious diseases
• Title of qualification awarded	Specialist in infectious diseases
• Dates (from – to)	2023-2024
• Name and type of organization providing education and training	Experta Bussines School
• Principal subjects/occupational skills covered	Management in Health
• Title of qualification awarded	Specialist in Health Management

PERSONAL SKILLS AND COMPETENCIES <i>Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas.</i>	
MOTHER TONGUE	[Croatian]
OTHER LANGUAGES	
	[English]
• Reading skills	[excellent]
• Writing skills	[excellent]
• Verbal skills	[excellent]
	[Latin]
• Reading skills	[excellent]
• Writing skills	[good]
• Verbal skills	[basic]
SOCIAL SKILLS AND COMPETENCIES <i>Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.</i>	Thirty years was educated in a multicultural and multinational environment such as Bosnia and Herzegovina, was involved in numerous extracurricular scientific and cultural activities and humanitarian work.
ORGANIZATIONAL SKILLS AND COMPETENCIES <i>Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.</i>	Was head of several research projects, research teams, work related to quality control of vaccines and interferon, head of laboratory and research departments. Currently Hospital director (~ 700 employees).
TECHNICAL SKILLS AND COMPETENCIES <i>With computers, specific kinds of equipment, machinery, etc.</i>	Working with computers and software, handling a variety of laboratory equipment, basic statistics
ARTISTIC SKILLS AND COMPETENCIES <i>Music, writing, design, etc.</i>	Primary music school – piano, the organ and mouth harmonica playing, writing, modeling
OTHER SKILLS AND COMPETENCIES <i>Competences not mentioned above.</i>	Survival in wartime ☺
DRIVING LICENCE(S)	Clean driving license, B category
ADDITIONAL INFORMATION	[Include here any other information that may be relevant, for example contact persons, references, etc.]

Books:

National:

1. **Markotić A**, LeDuc JW. Bioterrorism and forensic microbiology. In: Primorac D., ed DNA Analysis in Forensic Medicine and the judiciary. Medical Edition 2008th
2. **Markotić Alemka**, James W. LeDuc, Jenifer Smith. [Bioterrorism and forensic microbiology]. In: Dragan Primorac, Moses Schanfield, eds. [Forensic DNA analysis]. Školska knjiga d.d., Zagreb, 2016. - Croatian

International:

1. **Markotić A** Rabatić S, Gagro A Sabioncello A, Kuzman I, Dekaris D: Immunopathogenesis of hemorrhagic fever with renal syndrome (HFRS) in humans. In: Emergence and Control of Rodent-Borne Viral Diseases (hantaviruses and Arenaviruses). "Les Pensières" Veyrier-du-Lac, Annecy, France, 1999, 125-131.
2. **Markotić A**, Schmaljohn C. Immunoreactions to hantaviruses. In: V. Georgiev ed National Institute of Allergy and Infectious Diseases, NIH. Vol.1 Frontiers in Sciences, Humana Press, Springer Verlag., 2008., 435-444.
3. Turk Nenad; Margaletić Josip, **Markotić Alemka**. Forest Ecosystems and Zoonoses, Wildlife: Destruction, Conservation / Harris, John D., Brown, L. Paul (eds.). Hauppauge, NY, USA: Nova Science Publishers, Inc., 2009. Str. 1-45
4. Ivan-Christian Kurolt; Lidija Cvetko Krajnović; Mirna Vranić-Ladavac; **Alemka Markotić**. Flaviviridae // Medical Microbiology / Selma, Uzunović-Kamberović (eds.). Zenica: Printing Fojnica LLC, 2009. Str. 845-849.
5. Lidija Cvetko Krajnović, John-Christian Kurolt; Mirna Vranic-Ladavac; **Alemka Markotić**. Filoviridae // Medical Microbiology / Selma, Uzunović-Kamberović (eds.). Zenica: Printing Fojnica LLC, 2009. Str. 861-864.
6. **Markotić A**, LeDuc JW, Smith J. Bioterrorism and Forensic Microbiology. In: Primorac D., Schanfield M. eds. Forensic DNA Applications. An Interdisciplinary Perspective. CRC Press, Taylor&Francis Group 2014.

Contributed to:

1. Book Group Author(s): Natl Acad, Natl Res Council. Microbial Science: Ecology, Diversity, and Characterizing the Microbial World. Group Author(s): Comm Sci Needs Microbial; Board Life Sci; Div Earth Life Studies; Natl Acad; Croatian Acad Sci & Arts; UK Royal Soc; Int Union Microbiological Soc; Natl Acad Sci; Natl Acad Engn; Inst Med; Natl Res Council. SCIENCE NEEDS FOR MICROBIAL FORENSICS: DEVELOPING INITIAL INTERNATIONAL RESEARCH PRIORITIES: 2014.
2. Book Group Author(s): Natl Acad, Natl Res Council. Governance in Theory and Practice. Group Author(s): Comm Sci Needs Microbial; Board Life Sci; Div Earth Life Studies; Natl Acad; Croatian Acad Sci & Arts; Inter Acad Partnersh; Croat Soc Biosaf Biosec; Natl Acad Sci; Natl Acad Engn; Inst Med; Natl Res Council. Governance of Dual Use Research in the Life Sciences. Advancing Global Consensus on Research Oversight: 7-35. 2018.

Invited lectures-international

1. 1995 Stručni sastanak Imunološkog zavoda, Zagreb ("Hemoragična groznica s bubrežnim sindromom").
2. 1995 55. znanstveno-stručni sastanak Hrvatskog društva infektologa, Dubrovnik ("Hantavirusi. Skriveni neprijatelj u ratu.")
3. 1996 57. znanstveno-stručni sastanak Hrvatskog infektološkog društva. Zadar ("Novi napori u proizvodnji i primjeni virusnih cjepiva u djece").
4. 1996 58. znanstveno-stručni sastanak Hrvatskog infektološkog društva, Zagreb
5. 1997 Seminar biološko i toksinsko oružje-preventiva i zaštita. Hrvatsko vojno učilište "Petar Zrinski", Zagreb
6. 1998 60. znanstveno-stručni sastanak Hrvatskog infektološkog društva, Šibenik ("Važnost virusne dijagnostike")
7. 1998 1. Hrvatski kongres infektologa s međunarodnim sudjelovanjem, Dubrovnik ("Etiologija i imunopatogeneza hemoragijske vrućice s bubrežnim sindromom (HVBs) u

- Hrvatskoj")
8. **1998** Fondation Mérieux, International Symposium, "Emergence and Control of Rodent-Borne Viral Diseases (hantaviruses and arenaviruses)" (Immunopathogenesis of hemorrhagic fever with renal syndrome (HFRS) in humans").
 9. **2001** 64. znanstveno-stručni sastanak Hrvatskog infektološkog društva, Varaždin, Hrvatska ("Istraživanje i razvoj cjepiva protiv zoonoza").
 10. **2001** The Fifth International Conference on HFRS, HPS and hantaviruses, Fondation Mérieux, Les Pensieres, Veyrier-du-Lac, France ("The possible role of cytokines, chemokines and their receptors in the immunopathogenesis of HFRS and HPS")
 11. **2001** 65. znanstveno-stručni sastanak Hrvatskog infektološkog društva, Zagreb, Hrvatska
 12. **2002** Simpozij – Hemoragijska vrućica s bubrežnim sindromom u Hrvatskoj 2002. godine ("Dijagnostika hemoragijske vrućice s bubrežnim sindromom ELISA testom")
 13. **2002** Sekcija "Jadran", Hrvatsko mikrobiološko društvo, Rijeka ("Dijagnostika hemoragijske vrućice s bubrežnim sindromom").
 14. **2002** Seminar – Department of Virology, Institute for Medical Microbiology & Hygiene, Universitäts klinikum, Freiburg, Njemačka ("Immunoreactions to hantaviruses. Can we link *in vivo* and *in vitro*?").
 15. **2003** program stalnog medicinskog usavršavanja-Infekcije biomaterijala- Medicinski fakultet, Sveučilišta u Osijeku ("Specifičnost imunološkog odgovora kod infekcija biomaterijala").
 16. **2004** Godišnji sastanak Hrvatskog imunološkog društva, Opatija, listopad 2004 ("The role of mitochondrial factors and extracellular matrix molecules in apoptosis caused by hantaviruses").
 17. **2004** Transfuziologija, Zagreb, Croatia ("Imunoreakcije pri virusnim infekcijama jetre").
 18. **2005** INCO MED Thematic Workshops for the definition of Euro-Mediterranean within FP7; MED7 Workshop on Public Health, ISERD's Offices, Tel-Aviv, Israel, 25-26, May, 2005. ("Public health in Croatia in relation to the future research cooperation in FP7")
 19. **2005** Medical School, University of Nevada, SAD ("Immunopathogenesis of hantaviruses")
 20. **2005** Fourth European-American School in Forensic Genetics and Mayo Clinic Course in Advanced Molecular and Cellular Medicine, Dubrovnik, Croatia ("Innate immunity to biothreat agents as a basis for therapy development")
 21. **2006** National Institutes of Health/National Institute of Allergy and Infectious Diseases Conference, Opatija, Croatia ("Immunoreactions to hantaviruses")
 22. **2006** 5. hrvatski infektološki kongres s međunarodnim sudjelovanjem ("Forenzička mikrobiologija-važnost u obrani od bioterorizma")
 23. **2006** 5. hrvatski infektološki kongres s međunarodnim sudjelovanjem ("Nejasne epidemije infektivnih bolesti i forenzička epidemiologija")
 24. **2007** "Increasing U.S. – Croatian cooperation in the ICT, biotechnology and pharmaceutical industry" (October 1 – 4, 2007, Split, Croatia) (Novel Center for Emerging and Re-Emerging Infectious Diseases in Zagreb: The Role of U.S. Collaborators, Alemka Markotić, University Hospital for Infectious Diseases, Zagreb)
 25. **2007** 23rd Conference of the European Branch of the International Union against Sexually Transmitted Infections (IUSTI) on Sexually Transmitted Infections and HIV/AIDS, Cavtat, listopad, 2007 (What Challenges a clinician may expect from STIs in the future)
 26. **2009** 18th meeting of the European Network for Diagnostics of "Imported" Viral Diseases (ENIVD), May 2009 (Hantaviruses in Croatia)
 27. **2010** Columbia University, Medical Center, Centre for Infection and Immunity, New York, kolovoz 13, ("Zoonoses research in Croatia")
 28. **2010** National Institutes for Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, SAD ("Zoonoses research in Croatia and future perspectives for collaboration")
 29. **2011** International Symposium on Biosecurity, US National Academy of Sciences, Istanbul, Turska ("Management of dangerous pathogens in Croatia")
 30. **2011** 3rd Annual International Symposium – Biosecurity and Biosafety: Future Trends and Solutions, Milano, Italija („Political boundaries, Biothreat and Preparedness")
 31. **2012** Institut für Medizinische Mikrobiologie, Universitätsmedizin Göttingen, Georg-August-Universität, Göttingen, Germany („Zoonoses in Croatia")
 32. **2013** National Academy of Sciences, SAD, Hrvatska akademija znanosti i umjetnosti i Royal Academy UK: „Science Needs for Microbial Forensics: Developing an Initial International Science Roadmap" ("Clinical and Forensic Approaches to Microbial Identification"), HAZU, Zagreb

33. **2013** Polish Academy of Sciences: „How to prevent and manage Methods to Assess its Origin: Biosecurity, Surveillance, Forensics“ (“Clinical and Forensic Approaches to Microbial Identification- Clinical diagnostic practices”), Varšava, 2013.
34. **2013** Biological Weapons Convention (BWC), Annual BWC Meeting of States Parties in Geneva, UN („Science Needs for Microbial Forensics: Developing an Initial International Science Roadmap”), Ženeva, 2013.
35. **2014** Biological Weapons Convention (BWC), Annual BWC Meeting of States Parties in Geneva, UN („Science Needs for Microbial Forensics: Developing an Initial International Science Roadmap”), Ženeva, 2014.18. Polish Academy of Sciences. Natural or Deliberate Outbreak – How to Prevent or Detect and Trace its Origin: Biosecurity, Surveillance, Forensics; Warsaw 2013
36. UK Royal Society, Polish Academy of Sciences & US National Academy of Sciences. S&T Trends Symposium to support the BTWC, Warsaw, September, **2015**.
37. Meeting of States Parties of the Biological Weapons Convention, Geneva, December **2015** (representative for the UK Royal Society)
38. AMZH predavanja: Kakva treba biti strategija biosigurnosti i biozaštite u Republici Hrvatskoj u eri ratova i migracija?, Zagreb **2017**
39. US National Academy of Sciences, Ukrainian National Academy of Sciences, Regional Workshop for Eastern Europe and Central Asia Implications of developments in science and technology for the Biological Weapons Convention, September **2017**.
40. European Congress of Clinical Microbiology and Infectious Diseases; Emerging pathogen death – forensic diagnosis. Beč, Austrija, **2017**.
41. NATO ARW „Defence against bioterrorism: Methods for Prevention and Control“, Clinical approach during bioattack/outbreak. Belgrade, Serbia **2017**.
42. Prvi hrvatski kongres o biosigurnosti i biozaštiti s međunarodnim sudjelovanjem u organizaciji Hrvatskog društva za biosigurnost i biozaštitu, Zagreb, Hrvatska. 07.-09.12.**2017**.
43. 3. Inter-Academy Scientific Symposium „EMERGING AND RE-EMERGING ZOOSES OF 21ST CENTURY“, ANUBiH, Sarajevo, Bosna i Hercegovina u organizaciji ANUBiH, HAZU i SAZU . 28. listopada **2017**.
44. European Congress of Clinical Microbiology and Infectious Diseases; Microbial forensics – unbeatable tool in bioterrorism preparedness.; Madrid, Španjolska **2018**.
45. Meeting of States Parties of the Biological Weapons Convention, Geneva, December **2018** (representative for the US National Academy of Sciences)
46. Power of Viruses. Innate Immunity to Hantaviruses. Poreč, Hrvatska.2018.
47. 11. hrvatski kongres kliničke mikrobiologije, 9. hrvatski kongres o infektivnim bolestima s međunarodnim sudjelovanjem. Akutne i kronične bubrežne infekcije. Split, **2019**.
48. 11. Hrvatski kongres o urogenitalnim i spolno prenosivim infekcijama s međunarodnim sudjelovanjem u organizaciji Hrvatskog društva za urogenitalne i spolno prenosive infekcije HLZ-a. Visokopatogeni mikroorganizmi kao uzročnici urogenitalnih infekcija. Opatija, Hrvatska **2019**.
49. 5.kongres infektologa i 2. kongres mikrobiologa BiH 2019 s međunarodnim učešćem. Izazovi u dijagnostici i liječenju emergentnih infekcija. Tuzla, BiH **2019**.
50. Meeting of States Parties of the Biological Weapons Convention, Geneva, December **2019** (representative for the US National Academy of Sciences)
51. Numerous invited lectures on COVID-19 during 2020-2022....

The editorial board of the journals:

Deputy Editor Croatian Journal of Infection **2016-2017**

Editor Croatian Journal of Infection **2017-2018**

Member Editorial ISRN Infectious Diseases **2012-2014**

Member, Editorial Board, RAD, Journal of the Croatian Academy of Sciences and Arts
Frontiers in Cellular and Infection Microbiology (Guest Editor **2019-2020**)

Microorganisms (Guest Editor **2020-2021**)

Life (guest editor of the special issue Emerging and Re-Emerging Infectious Diseases, **2022-2023**)

Frontiers in Cellular and Infection Microbiology (guest co-editor for the special issue Microbial Vaccines, **2022-2023**)

The number and quality of students:

Mentoring-defended doctorates and doctorates in progress

1. Marica Miletić Medved, MD, PhD- 2006 doctoral dissertation, MF, Zagreb - "Zoonoses in Forest Workers of Middle Posavina"
2. Ljiljana Cebalo, MD, PhD - - defended her doctorate in 2007. at MF Zagreb: "Immune responses caused by infection of Hantaan and Andi viruses in MRC-5 and HEK293 cells"
3. Anđelko Vidović, MD, PhD - defended his doctorate in 2010. at MF Zagreb: "Interaction of Immune System and Endocrinological System in Post-Traumatic Stress Disorder"
4. Dragan Ledina, MD, PhD defended his Ph.D. at MF Zagreb under the title "Markers of endothelial dysfunction and chronic kidney changes in Croatian soldiers infected with hantaviruses in the Homeland War"
5. Lidija Cvetko Krajinović, B.Sc., PhD - defended his doctorate in 2014. at PMF Zagreb: "Early Immune Reactions in Mononuclear Peripheral Blood Cells Caused by the Puumala Virus"
6. Ivan-Christian Kurolt, B.Sc., PhD - defended his doctorate in 2014.g. at the PMF Zagreb titled "The Influence of Puumala Virus on the Micro RNA Expression in Human Epithelial Cells"
7. Ivana Puškarić, MD – infectious disease specialist - PhD in progress
8. Zoran Barušić, MD - infectious disease specialist - PhD in progress

Mentoring undergraduate students-Rector's Award

- Ljiljana Cebalo - 2002
- Mateja Jankovic – 2004

Graduate thesis

1. Branka Žibrat: Phylogenetic analysis of viruses as a forensic method in bioterrorism, University Department of Forensic Sciences, Split, 2014.
2. Petra Čikeš: Detection of interleukin 15 in the peripheral circulation of patients with hemorrhagic fever with renal syndrome, PMF, 2016.
3. Draženka Jakšić: Improving nursing care measures in the control and reduction of urinary tract infections in patients older than 60 years, HKS, 2018.
4. Marina Radić: Measures for the prevention of nosocomial infections caused by Clostridium difficile among the hospitalized elderly population at the Clinic for Infectious Diseases "Dr. Fran Mihaljević", HKS, 2018.
5. Marinka Blatarić: Relationship between the parameters of nursing care and the outcome of treatment of patients with hemorrhagic fever with renal syndrome, HKS, 2019.
6. Domagoj Sabljak: Influence of Puumala orthohantavirus infection on ligand expression for NK cells on MRC-5, PMF cells, 2020.
7. Jelena Brajo: Characteristics of pain in acute infectious disease ", HKS,-in progress

Impact on the development of the field / specialty:

- Establish a serologic and molecular diagnostic of hantaviruses by ELISA test in Croatia
- initiated the first molecular epidemiological studies on hemorrhagic fever with renal syndrome (HFRS)
- demonstrated that two different hantaviruses cause disease in Croatia, and that another circulates among small rodents and that the whole Croatia except coast and islands is endemic area for HFRS
- established one of the world's two published studies that compare the clinical and immunopathogenetic features in patients infected with the viruses Puumala or Dobrava
- showed that hantaviruses, previously considered non-cytopathic viruses can cause cytopathic effect in HEK293 cells
- shown that hantaviruses can directly cause macrophage differentiation towards mature dendritic cells
- With junior researchers established molecular diagnostic tools for communicable diseases (Dengue, tick meningoencephalitis etc.) and molecularly characterized the first indigenous dengue virus in Croatia
- together with the young scientist, shows the importance of multiple infections of the rodents with variety of zoonotic agents
- establishing the first Croatian Biosafety level 3 laboratory, listed Croatia in a group of European and world countries that have adequate infrastructure for the diagnosis and investigation of

dangerous, deadly pathogens

- organization of clinical and diagnostic capacities during the COVID-19 pandemic and participation in the Central Headquarters of the Republic of Croatia and the Council of the Government of the Republic of Croatia for COVID-19
- participation in several international expert bodies for the European Commission and other international institutions related to SARS-CoV-2 variants, treatment of COVID-19 and strategic decisions

Establishment of departments, institutes, referral centers, societies:

The Center for emerging and re-emerging infectious diseases, University Hospital for Infectious Diseases "Dr. Fran Mihaljević", Zagreb (2007)

Section of Immunology of infectious diseases, the Croatian Society for Infectious Diseases (2010)

The First Croatian Biosafety Laboratory 3, University Hospital for Infectious Diseases "Dr. Fran Mihaljević", Zagreb (2010)

Founder and the first president of the Croatian Society of Biosafety and Biosecurity (2014-2022)

Important books in Croatian:

1. Markotić A. Filoviridae. Mlinarić Galinović G, Ramljak Šešo M eds, In: Medical Microbiology and Parasitology II (special). Textbook for high school students, 2003, p.
2. Markotić A. Togaviridae. Mlinarić Galinović G, Ramljak Šešo M eds, In: Medical Microbiology and Parasitology II (special). Textbook for high school students, 2003, p.
3. Markotić A. Bunyaviridae. Mlinarić Galinović G, Ramljak Šešo M eds, In: Medical Microbiology and Parasitology II (special). Textbook for high school students, 2003, p.
4. Kuzman I, A. Markotić. Bunyaviruses, hemorrhagic fever, hantavirus pulmonary syndrome, and California encephalitis. Infectious diseases and their causes, Zagreb, Profile 2006th
5. Kuzman I, A. Markotić. Ebola and Marburg hemorrhagic fever. Infectious diseases and their causes, Zagreb, Profile 2006th
6. Kuzman I, Markotić A, Beus I. Lassa and the South American hemorrhagic fevers. Infectious diseases and their causes, Zagreb, Profile 2006th
7. Židovec Lepej S, Markotić A, Begovac J. Pathogenesis of infectious diseases. Clinical Infectology, Zagreb, Medicinska Naklada 2018:4-29.
8. Baršić B, Markotić A, Kurolt IC, Begovac J, Lukić LJ. Flaviviruses (tick-borne meningoencephalitis, West Nile virus, dengue, yellow fever, Zika). Clinical Infectology, Zagreb, Medicinska Naklada 2018: 545-555.
9. Markotić A, Kurolt IC. Marburgviruses and ebolaviruses. Clinical Infectology, Zagreb, Medicinska Naklada 2018: 556-561.
10. Kuzman I, Markotić A. Bunyavirus hemorrhagic fevers and hantavirus pulmonary syndrome. Clinical Infectology, Zagreb, Medicinska Naklada 2018:562-569.
11. Kuzman I, Markotić A. Lassa and South American hemorrhagic fevers. Clinical Infectology, Zagreb, Medicinska Naklada 2018:570-572.
12. Škerk V, Markotić A. Infections caused by chlamydia. Clinical Infectology, Zagreb, Medicinska Naklada 2018: 599-605.

Organization of international and national conferences

National:

1. Professional meeting of the Institute of Immunology, Zagreb, 1995.
2. 55th Scientific and Professional Meeting of The Croatian Society for Infectious Diseases,

- Dubrovnik, 1995
3. 57th Scientific and Professional Meeting of The Croatian Society for Infectious Diseases. Zadar, 1996.g.
 4. 58th Scientific and Professional Meeting of The Croatian Society for Infectious Diseases, Zagreb, 1996.
 5. 60th Scientific and Professional Meeting of The Croatian Society for Infectious Diseases, Šibenik, 1988.
 - 6th Croatian Congress of Infectologists with International Participation, Dubrovnik, 1998
 7. 64th Scientific and Professional Meeting of The Croatian Society for Infectious Diseases, Varaždin, Croatia, 2001.
 8. 65th Scientific and Professional Meeting of The Croatian Society for Infectious Diseases, Zagreb, Croatia, 2001.
 9. Symposium - Hemorrhagic fever with kidney syndrome in Croatia in 2002, 2002
 10. 10th Croatian Infectious Congress with International Participation, 2006
 11. 6th Croatian Congress on Infectious Diseases with International Participation, Šibenik, 2009
 12. Days of Prof. Fran Mihaljević - 76th Scientific and Professional Symposium "Influence of Globalization on Infectious Diseases", Zagreb, 2009
 13. 77th Scientific and Professional Symposium on Infectious Diseases with International Participation "Infection in Surgical, Neurological and Immune Compromised Patients and Role and Significance of Infectologist in County Hospital", Koprivnica, 2010
 14. Symposium: "Practical Knowledge against Dengue Virus", University Hospital for for Infectious Diseases "Dr. Fran Mihaljević", Zagreb, 2011.g.
 15. Symposium: "Therapeutics as Immunomodulators", Hotel Dubrovnik, Zagreb, 2011
 16. 79. Scientific-Professional Symposium "Novelties in Infectology", Trogir, hotel resort "Medena", 2011.g.
 17. Symposium: "Controversy in Vaccination", University Hospital for for Infectious Diseases "Dr. Fran Mihaljević ", Zagreb, 2011.g.
 18. Symposium: Hemorrhagic fever with renal syndrome - challenge for doctors and scientists, HAZU, 07.11.2012.
 19. 2014. Course- "Dangerous Causes of Infectious Diseases-Biosafety and Bio-Protection Measures", University Hospital for for Infectious Diseases "Dr. Fran Mihaljević ", Zagreb.
 20. 2014. Tribina - "Epidemic Ebola - Challenge for Contemporary Medicine", HAZU, Department of Clinical and Transplantation Immunology and Molecular Medicine in Rijeka, Rijeka
 - 21st 2014 Symposium - "Ebola Virus and Other Dangerous Causes of Infectious Diseases - Threat of Biosafety in the Modern World", University Hospital for for Infectious Diseases "Dr. Fran Mihaljević ", Zagreb
 22. 2016. "Applied genomics in the Republic of Croatia", HAZU, Zagreb.
 23. 2016. In the Clinical Center for Infectious Diseases "Dr. Fran Mihaljević" in Zagreb - Round Table entitled "MERS Risk Assessment for Republic of Croatia and Biosafety Measures" organized by the Croatian Society for Biosafety and Biosecurity of the HLZ and the University Hospital for for Infectious Diseases "Dr. Fran Mihaljević "
 24. 2016. University Hospital for for Infectious Diseases "Dr. Fran Mihaljević" in Zagreb - symposium titled "Neglected Tropical Disease", organized by the Croatian Society for Biosafety and Biosecurity of HLZ, Clinical Center for Infectious Diseases "Dr. Fran Mihaljević "and the Office of the World Health Organization in the Republic of Croatia.
 25. 2016, Opatija, Croatia - 8th Croatian Congress on Urogenital and Sexually Transmitted Infections with International Participation organized by the Croatian Society for Urogenital and Sexually Transmitted Infections of the HLZ.
 26. 2017. Symposium titled "Molecular Genetics - News in Diagnosis and Therapy." The Symposium was held in the organization of the Croatian Academy for Sciences and Arts (HAZU).
 27. 2017. - First Croatian Congress on Biosafety and Biosecurity with International Participation organized by the Croatian Society for Biosafety and Biosecurity, Zagreb, Croatia.
 28. 2017., Zagreb, Croatia - symposium - Hemorrhagic fever with renal syndrome - introduction to the new epidemic in 2017, organized by the Croatian Society for Biosafety and Biosecurity and the the Croatian Society for Infectious Diseases.
 29. 2017, Opatija, Croatia - 9th Croatian Congress on Genital and Sexually Transmitted Infections with International Participation organized by the Croatian Society for Urogenital and Sexually Transmitted Infections of the National Health Organization.
 30. 2017., Zagreb, Croatia - 2017 Annual meeting of the Croatian Immunological Society with EFIS on tour organized by the Croatian Immunological Society.
 31. 2018., Zagreb, Croatia - "Infections caused by the bacterium *Clostridium difficile* - a growing problem of modern medicine", Croatian Society for Biosafety and Biosecurity
 32. 2019, Zagreb, Croatia - CURRENT PROBLEMS IN RADIOLOGICAL TECHNOLOGY,

Croatian Society for Biosafety and Bioprotection

33. 2019, Zagreb, Croatia - ZOONOSIS AND VECTOR-TRANSMITTED DISEASES - PRINCIPLES OF BIOSECURITY AND BIOSECT, Croatian Society for Biosafety and Bioprotection

34. 2019, Zagreb, Croatia - Quarantine diseases - how to protect yourself ?, Croatian Society for Biosafety and Biosecurity

35. 2019, Zagreb, Croatia - Population migration and transmission of dangerous infectious agents - risk for Croatia and the EU, Croatian Society for Biosafety and Biosecurity

36. 2020, Zagreb, Croatia - NEW CORONAVIRUS FROM CHINA - BIOSECURITY THREAT AND CHALLENGE FOR HEALTHCARE PROFESSIONALS, Croatian Society for Biosafety and Biosecurity

37. 2020., Zagreb, Croatia - BIOSECURITY THREAT TO CORONAVIRUSES - WORK ORGANIZATION AND PROTECTION MEASURES, Croatian Society for Biosafety and Biosecurity

38. 2020, Zagreb, Croatia - Possible impact of the COVID-19 pandemic on the upcoming flu season, Croatian Society for Biosafety and Biosecurity

39. 2020, Zagreb, Croatia - COVID-19 - previous experiences and challenges, Clinic for Infectious Diseases, Croatian Society for Infectious Diseases, Croatian Association of Nurses - Infectious Diseases Society

40. 2022. Zagreb, Croatia- "Forgotten" dangerous infectious disease agents, University Hospital for Infectious Diseases, Croatian Society for Biosafety and Bioprotection, Croatian Institute of Public Health, Croatian Academy of Medical Sciences.

International:

1. National Institutes of Health/National Institute of Allergy and Infectious Diseases Conference, Opatija, Croatia, **2006.g.**
2. Eurolept2012, European meeting of Leptospirosis, Dubrovnik 30.05. do 03.06.**2012.**
3. 3rd Southeast European Conference of Chemotherapy and Infection (SEEC), Dubrovnik, 08-11-11.**2012.**
4. SEE-WHO Symposium on „One Health“, Klinika za infektivne bolesti „Dr. Fran Mihaljević“, Zagreb, lipanj 2013.
5. National Academy of Sciences, USA, Royal Society, UK and Croatian Academy for Sciences and Arts. *Science Needs for Microbial Forensics: Developing an International Roadmap* from 14-16 October **2013**, Zagreb, Croatia.
6. **2015.** 2. Inter-Academy Scientific Symposium „Emerging and reemerging zoonoses of 21. century“, HAZU,SAZU, ANUBiH, Zagreb, Hrvatska.
7. **2016.** - 2. Inter-Academy Scientific Symposium „EMERGING ZOONOSSES“, SAZU, Ljubljana, Slovenia -SAZU, HAZU and ANUBiH
8. **2016.g.**, „Biosafety Course for Southeast European influenza laboratories“ in organization of: The U.S. Centers for Disease Control and Prevention (CDC) i the Association of Public Health Laboratories (APHL) in collaboration with the Southeast European Center for Surveillance and Control of Infectious Diseases (SECID), Croatian Society for Biosafety and Biosecurity and the University Hospital for Infectious diseases "Dr. Fran Mihaljević".
9. **2017.** - 3. Inter-Academy Scientific Symposium „EMERGING AND RE-EMERGING ZOONOSSES OF 21ST CENTURY“, ANUBiH, Sarajevo, Bosnia and Hercegovina- ANUBiH, HAZU i SAZU.
10. National Academy of Sciences, USA, InterAcademy Partnership, Croatian Academy of Sciences and Arts, and the Croatian Society for Biosafety and Biosecurity, hosted at the Croatian Academy of Sciences and Arts: Governance of Dual Use Research in the Life Sciences, June **2018**, Zagreb, Croatia

Awards and Recognition

National:

1. Annual Award for Chemistry (Interdisciplinary Science), 1982, "Science movement to Youth" Bosnia and Herzegovina.
2. Annual Award for Chemistry (Interdisciplinary Science), 1983, "Science movement to Youth", Bosnia and Herzegovina.
3. Annual Award for Medicine (Interdisciplinary Science), 1985, "Science movement to Youth", Bosnia and Herzegovina.
4. Annual National Science Award - Award for Young Scientists, 1998 - Croatian Parliament and the Croatian Ministry of Science.
5. The award of the Croatian Academy of Arts and Sciences for Medicine in 2001; Croatian Academy of Sciences and Arts, 2002.
6. The prize for the poster ("Hantaviruses induce cytokine and chemokine production and differentiation of human monocytes"), 2002, Croatian Immunological Society, Annual Meeting in 2002.
7. Annual National Science Award - Award for Biomedicine, 2007, the Croatian Parliament and the Croatian Ministry of Science, Education and Sports.
8. Medal "Ladislav Rakovac" for special merits in preventing the spread of coronavirus infection, Croatian Medical Association, 2020.
9. Woman of the Year 2020, chosen by the magazine Zaposlena
10. Award for special achievement in the medical profession and science - Scientific Research Unit of the University Hospital for Infectious Diseases "Dr. Fran Mihaljević" - Faculty of Medicine, University of Zagreb
11. Zagreb Woman of the Year of the City of Zagreb.

International:

1. The prize for the poster ("Problems in the diagnosis of hemorrhagic fever with renal syndrome in Bosnia and Herzegovina"), 1994, 3 Central European immunological school in Kosice, Slovakia.
2. European Award for Young Scientists, 1997, European Society of Clinical Microbiology and Infectious Diseases and the 8th European Congress of Clinical Microbiology and Infectious Diseases.
3. Research Fellowship for the excellent research in the fields of clinical microbiology and infectious diseases, 1999, the European Society of Clinical Microbiology and Infectious Diseases.
4. National Research Council Award, 1999, National Academy of Sciences, Washington, USA.
5. Joel M. Dalrymple Memorial Award in 2000, the American Society for Virology, USA.
6. USAMRIID's coin for outstanding contribution to the study of hantaviruses at USAMRIID in 2000, the U.S. Army Medical Research Institute for Infectious Diseases, Frederick, Maryland, USA.
7. Scholarship Award, 2002, XIIth International Congress of Virology, Paris, France.
8. Travel Award, 2002, American Society for Tropical Medicine and Hygiene.
9. Team Award, 2005, American Society of Microbiology.
10. Večernjak's seal for Person of the Year in the field of science and medicine, 2020., Bosnia and Herzegovina

Principal investigator in national and international projects:

National:

1. Technology-research and development project: "3-D cell technology in the production of interferon and viral proteins," the Croatian Ministry of Science and Technology (TP-01/0021-06), 2001-2003.
2. Research project, "The immune response during infection with intracellular pathogens" (0021005), "the Croatian Ministry of Science," 2002-2005.
3. Co-PI of the research project "Forest ecosystems as natural foci of zoonoses," Croatian Forests, 2003-2010.
4. Research project: "The immune response to hantaviruses and leptospires", Croatian Ministry

of Science, Education and Sports 2006-2013.

5. Research Programme "Hantavirus and Leptospira", Croatian Ministry of Science, Education and Sports, 2006-2008.

6. Technological, Development and Research Project- "Nucleus" (J-29/07) "Center for emerging and re-emerging infectious diseases," the Croatian Ministry of Science, Education and Sports, 2007-2010.

7. 2014-2018 – P.I. „Innate immunity to hantaviruses“, Croatian Sciences Foundation

8. 2014-2018 – Work package leader and coordinator for the University Hospital for Infectious Diseases „Dr. Fran Mihaljević“ at the project „Center of Excellence for Viral Vaccines and Immunology“

9. 2019 - work package leader and coordinator for the Clinic for Infectious Diseases "Dr. Fran Mihaljević "on the project" Competence Center in Molecular Diagnostics "

International

1. Postdoctoral research project "The role of cytokines and chemokines in human cells infected with hantaviruses," (project supervisor: Prof. Dr. Connie Schmaljohn C., postdoctoral research at the U.S. Army Medical Research Institute for Infectious Diseases, Frederick, Maryland , USA), the National Research Council, National Academy of Sciences, USA.

2. ISID Small Grants: "Mechanisms of apoptosis induced by hantaviruses", International Society of Infectious Diseases, U.S., 2003-2004.

3. Co-leader (Croatian partner) Telemedicine Project in infectious diseases at the University of Texas Medical Branch, Galveston, USA from 2007

4. National coordinator and leader of FP7 part of the project for the University Hospital for Infectious Diseases "Dr. Fran Mihaljević": **Multi-centre EuRopean study of MAJOR Infectious Disease Syndromes (MERMAIDS) Arboviral compatible febrile illness**, EC Framework 7 Project called "Platform for European Preparedness Against (Re)emerging Epidemics" ("PREPARE") , **University of Oxford, UK. – 2016-2018.**

5. Principal investigator of scientific research project: Innate and mucosal immune response to SARS-CoV-2, The British Embassy, Zagreb, 2020-2021.

Other activities (membership, organizing committees, established organizations and laboratories):

- 1995 - Present Member of the Croatian Immunological Society
- From 2007-present, member of the Chamber, the Croatian Immunological Society
- 1995-present Member of the Croatian Society of Allergology and Clinical Immunology
- 1997-present Member of the European Society of Clinical Microbiology and Infectious Diseases
- 1998 - Present Member of The Croatian Society for Infectious Diseases
- 2007-2011. – Treasurer, The Croatian Society for Infectious Diseases.
- 2004-2008 - Member of the Croatian National Council for Science
- 2005-2008 Vice President of the Croatian Research Council for Biomedicine and Health
- 2005-2008 - member of the Board of the National Science Foundation.
- 2007 - Member of the Investment Committee Business Innovation Agency of Republic of Croatia
- 2008 - Reviewer for projects NIAID / NIH, USA
- 2009 - evaluator for EU FP6 projects
- 2009 - Reviewer for projects NIAID / NIH, USA
- 2009 – Organization and lecturing at the course on "Biosecurity and Biosafety" for the Chinese ministry of agriculture in collaboration with the EU Commission, Beijing, China
- since 2009 - Croatian delegate at the ERAC High Level Group for Joint Programming
- Since 2010 - Founder and president of the Section of Immunology of infectious diseases, the Croatian Society for Infectious Diseases
- 2011 - Reviewer for projects NIAID / NIH, USA
- 2012- associate member, Croatian Academy of Sciences and Arts
- Since 2013 - Member of the Council for Genomics - Croatian Academy of Sciences and Arts
- 2013-2014 Member of the National Research Committee (NRC) on Science Needs for Microbial Forensics: Developing an Initial International Roadmap at the National Academy of Sciences, USA

- Since 2014 - the founder and the first president of the Croatian Society of Biosafety and Biosecurity
 - 2016 Member of the European Society of Microbiology and Infectious Diseases (ESCMID) Research and Projects Expert Panel
 - Since 2016 Member of the European Society of Microbiology and Infectious Diseases (ESCMID) Study Group for Forensic and Postmortem Microbiology
 - Since 2017 Member of the European Society of Microbiology and Infectious Diseases (ESCMID) Emerging Infections Task Force Expert Panel
 - 2017 Member of the European Society of Microbiology and Infectious Diseases (ESCMID) Research and Projects Expert Panel
 - 2017th to 2018th - Member, Committee on Regional Workshops on Science and Technology Issues for Biological Weapons Convention, Board of Life Sciences, The National Academies, USA
 - 2018 - Member of the National Research Committee (NRC) on Governance of Dual Use Research in Life Sciences: Advancing Global Consensus on Research Oversight, The National Academies, USA.
- Since 2020 – member of the National Crisis Headquarters for COVID-19 in Croatia
- 2020 - nominated as a national expert to the European Commission Ad-hoc Working Group on R&I response to Coronavirus by the Croatian Ministry of Science and Education.
- 2020 - member of the InterAcademy Partnership's COVID-19 Advisory Group
- Since 2020 - member of the Scientific Council of the Prime Minister of the Republic of Croatia.
- Since 2020- president of the Croatian Academy of Medical Sciences
- Since 2020. – National expert to the European Commission Ad-hoc Working Group on R&I response to Coronavirus- EU Scientific Advice Platform COVID-19
- Since 2021, Member of the European expert group on SARS-CoV-2 variants
- Since 2021 Member of the EU Expert Sub-group on COVID-19 therapeutics
- 2018,2019, 2020, 2021, 2022 – Reviewer, EU Commission, HORIZON 2020 research projects in biomedicine
- Since 2022 member of the European Commission's advisory panel on COVID-19
- Since 2022 domestic member of the Academy of Sciences and Arts of Bosnia and Herzegovina

Educational Activities

- 2001 – present, lecturer, Postgraduate study - Medicine, School of Medicine, University of Zagreb, the elective course, "Mechanisms of allergic reaction"
- 2002-present, lecturer, Postgraduate study - Medicine, School of Medicine, University of Zagreb: elective course - Pathogenesis of Bacterial and viral infections
- 2002-present -lecturer - Postgraduate studies in Biomedicine and Health, Faculty of Medicine, University of Osijek, elective-Antimicrobials
- 2002-present – lecturer, -graduate studies at the Faculty of Food Technology, University of Zagreb, Immunology course
- 2003-present - Head of the elective course-Infections caused by hantaviruses, postgraduate research study- Medicine, School of Medicine, University of Rijeka
- Since 2006 – lecturer, Department of Infectious Diseases, Faculty of Medicine in Zagreb, course for students in English, "Infectious Diseases and Tropical Medicine with Clinical Microbiology and Parasitology"
- Since 2010 - Head of the elective course "Bioterrorism" The forensics study, University of Split
- From 2012 - Head of the course "Immunity and allergy " a university postgraduate degree in epidemiology, School of Medicine, Zagreb, University of Zagreb
- From 2012 - Head of the course "Immunology of infectious diseases," the University postgraduate studies in infectious diseases, School of Medicine, Zagreb, University of Zagreb
- Since 2016 an external associate, Faculty for Nurses, Croatian Catholic University
- since 2017 a full professor at the Faculty for Nurses, Croatian Catholic University
- Since 2022 a full professor in permanent position at the Medical School, Croatian Catholic University

Reviewer - projects, journals, books

Projects

- EU FP6 projects for the EU Commission (26)
- Projects of the Croatian Ministry of Science, Education and Sports (17)

- Projects of the Croatian Ministry of Health and Social Welfare (1)
- Projects of the Bulgarian Ministry of Science - "National Program on strengthening and upgrading the research capacity of Bulgaria" (5)
- National Institutes of Health / National Institutes of Allergy and Infectious Diseases, USA (NIAID / NIH) (76)
- Horizon 2020 EU Research Projects (>100)

Scientific Journals

- Journal of Medical Virology
- Emerging Infectious Diseases
- Neuroimmunology
- Vector Borne and Zoonotic Diseases
- Croatian Medical Journal
- Acta Medica Croatica
- Croatian Journal of Infection
- Medical Science Monitor International
- Plos One
- Clinical Microbiology and Infection
- The Lancet Infectious Diseases

Books

1. Hukić M, Šibalić S. [Viral hemorrhagic fevers]. DOO «OFF-SET», Tuzla, Bosnia and Herzegovina, 2003.g.
2. Hukić M et al. ["Prevention and Control of Infections in Health Institutions"], "TDP" Sarajevo, 2010
3. Benčić D, Batinić D, Malenica B. ["Immunology and Immune Lung Diseases"], Graphis, Zagreb, 2011.
4. Cvetnić Ž. ["Bacterial and Fungal Zoonoses"], Medicinska Naklada, 2013.
5. Cvetnić Ž. ["Diseases that changed the world"], Medicinska Naklada, 2018.

BIBLIOGRAPHY

Papers that are referenced in international databases (CC / SCI)

1. **Markotić A**, Šarčević A, Hlača D, Barać V, LeDuc JW. Rats and hantavirus disease. **Nature Med** 1995;1:977. **(IF 30,71)**
2. **Markotić A**, Šarčević A, Hlača D, LeDuc JW. Problems in the diagnosis of hemorrhagic fever with renal syndrome (HFRS) encountered in Bosnia and Herzegovina. XVI European Congress of Allergology and Clinical Immunology ECAC'95. **Proceedings II. Monduzzi editore S.p.A**, Bologna-Italy, 1995.¹
3. **Markotić A**, LeDuc JW, Hlača D, Rabatić S, Šarčević A, Dašić G, Gagro A, Kuzman I, Barać V, Avšič Županc T, Beus I, Dekaris D. Hantaviruses are a likely threat to NATO forces in Bosnia and Herzegovina and Croatia. **Nature Med** 1996;2:269-270. **(IF 30,71)**
4. **Markotić A**. *Oida hoti, ouden oida* about the hantaviruses. **Period Biol** 1996; 98:151-154.
5. **Markotić A**. Human-to-human transmission of hantaviruses. **The Lancet** 1997; 350: 596. **(IF 18,5)**
6. **Markotić A**, Dašić G, Gagro A, Sabioncello A, Rabatić S, Kuzman I, Zgorelec R, Smoljan I, Beus I, Avšič Županc T, Dekaris D. Role of the blood mononuclear cell phenotype changes in the pathogenesis of hemorrhagic fever with renal syndrome. **Clin Exp Immunol** 1999; 115:329-334. **(IF 2,39)**
7. **Markotić A**, Rabatić S, Gagro A, Sabioncello A, Kuzman I, Dekaris D: Immunopathogenesis of hemorrhagic fever with renal syndrome (HFRS) in humans. In:

¹ The research paper as the part of the book listed in CC (referenced in the books)

Emergence and Control of Rodent-Borne Viral Diseases (Hantaviruses and Arenaviruses). "Les Pensières", Veyrier-Du-Lac, Annecy, France, 1999, 125-131 .
(citirano u CC-u)²

8. **Markotić A**, Nichol ST, Kuzman I, Sanchez AJ, Ksiazek TG, Gagro A, Rabatić S, Zgorelec R, Avšič Županc T, Beus I, Dekaris D. Characteristics of Puumala and Dobrava Infections in Croatia. **J Med Virol** 2002; 66:542-551. [\(IF 2,44\)](#)
9. **Markotić A**, Kuzman I, Babić K, Gagro A, Nichol S, Ksiazek TG, Rabatić S, Dekaris D. Double trouble: hemorrhagic fever with renal syndrome and leptospirosis. **Scand J Infect Dis** 2002;34:221-224. [\(IF 1,094\)](#)
10. **Markotić A**. The Balkan syndrome. **Lancet** 2002; 359: 166. [\(IF 18,5\)](#)
11. Miletić Medved M, **Markotić A**, Cebalo Lj, Turković B, Avšič Županc T. Haemorrhagic fever with renal syndrome in Croatia. **Lancet** 2002; 360: 415-416. [\(IF 18,5\)](#)
12. **Markotić A**, Gagro A, Dašić G, Kuzman I, Lukas D, Nichol S, Ksiazek TG, Sabioncello A, Rode O, Rabatić S, Dekaris D. Immune parameters in patient with hemorrhagic fever with renal syndrome during the period of incubation and in acute disease. **Croat Med J** 2002;43: 587-590. [\(IF 0,78\)](#)
13. **Markotić A**, Hensley L, Geisbert T, Spik K, Schmaljohn C. Hantaviruses induce cytopathic effect and apoptosis in continuous human embryonic kidney cells. **J Gen Virol** 2003; 84: 2197-2202. [\(IF 3,186\)](#)
14. Sabioncello A, Gotovac K, Vidović A, Gagro A, **Markotić A**, Rabatić S, Dekaris D. The immune system under stress. **Period Biol** 2004; 4: 317-323.
15. Dekaris I, Gabric N, Bosnar D, Gagro A, **Markotić A**, Lazic R. Interleukin-1alpha production in human corneal scars. **Coll Antropol.** 2005;29 Suppl 1:81-4. [\(IF 0,306\)](#)
16. Puljiz I, Kuzman I, **Markotić A**, Turcinov D, Matic M, Makek N. Electrocardiographic changes in patients with haemorrhagic fever with renal syndrome. **Scand J Infect Dis.** 2005;37:594-598. [\(IF 1,094\)](#)
17. Cvetko L, **Markotić A**, Plyusnina A, Margaletic J, Miletic-Medved M, Turk N, Milas Z, Avs Županc T, Plyusnin A. Puumala virus in Croatia in the 2002 HFRS outbreak. **J Med Viro** 2005;77:290-4. [\(IF 2,44\)](#)
18. Lidija Cvetko, Nenad Turk, **Alemka Markotić**, Zoran Milas, Josip Margaletic, Marica Miletic-Medved, Alexander Plyusnin, Guy Baranton, Daniele Postic, and Tatjana Avsic-Zupanc. Dual infections with Puumala virus and Leptospira interrogans serovar Iora in a bank vole (Clethrionomys glareolus); **Am J Trop Med Hyg** 2006; 74:612-614. [\(IF 2,06\)](#)
19. Bosnar D, Dekaris I, Gabric N, **Markotić A**, Lazic R, Spoljaric N. Influence of interleukin-1alpha and tumor necrosis factor-alpha production on corneal graft survival. **Croat Med J.** 2006;47:59-66. [\(IF 0,78\)](#)
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