

**EUROPEAN
CURRICULUM VITAE
FORMAT**



CONTACT INFORMATION

Name	MARKOTIĆ ALEMKA
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Nationality	Croatian

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 responsibilities	Work on an international research project on Ribavirin therapy of patients with hemorrhagic 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 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 Management of BSL3 laboratory Management of Clinical Immunology Laboratory
• Dates (from – to)	Since 2014-
• 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

EDUCATION AND TRAINING

• Dates (from – to)	1979 – 1983
• Name and type of organization providing education and training	Gymnasium "Prof. Rizah Odžačkić", Zavidovići, BH
• Principal subjects/occupational skills covered	Secondary school

• Title of qualification awarded	
• Level in national classification (if appropriate)	
• 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
• Title of qualification awarded	
• Level in national classification (if appropriate)	
• 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
• Title of qualification awarded	
• Level in national classification (if appropriate)	
• 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
• Title of qualification awarded	
• Level in national classification (if appropriate)	
• 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
• Title of qualification awarded	
• Level in national classification	

(if appropriate)	
• 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
• Title of qualification awarded	
• Level in national classification (if appropriate)	
• 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 Technologica (IBET), Lisbon, Portugal
• Principal subjects/occupational skills covered	Cell cultures training
• Title of qualification awarded	
• Level in national classification (if appropriate)	
• 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
• Level in national classification (if appropriate)	
• Dates (from – to)	1996-1999
• Name and type of organization providing education and training	Medical Faculty University of Zagreb, Croatia and Institute of Immunology Zagreb, Croatia
• 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
• Title of qualification awarded	
• Level in national classification (if appropriate)	
• 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
• Level in national classification (if appropriate)	

<p>PERSONAL SKILLS AND COMPETENCIES <i>Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas.</i></p>	
<p>MOTHER TONGUE</p>	<p>[Croatian]</p>
<p>OTHER LANGUAGES</p>	
	<p>[English]</p>
<p>• Reading skills</p>	<p>[excellent]</p>
<p>• Writing skills</p>	<p>[excellent]</p>
<p>• Verbal skills</p>	<p>[excellent]</p>
	<p>[Latin]</p>
<p>• Reading skills</p>	<p>[excellent]</p>
<p>• Writing skills</p>	<p>[good]</p>
<p>• Verbal skills</p>	<p>[basic]</p>
<p>SOCIAL SKILLS AND COMPETENCIES</p>	
<p><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></p>	<p>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.</p>
<p>ORGANIZATIONAL SKILLS AND COMPETENCIES</p>	
<p><i>Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.</i></p>	<p>Was head of several research projects, research teams, work related to quality control of vaccines and interferon, head of laboratory and research departments.</p>
<p>TECHNICAL SKILLS AND COMPETENCIES</p>	
<p><i>With computers, specific kinds of equipment, machinery, etc.</i></p>	<p>Basics of working with computers, handling a variety of laboratory equipment, basic statistics</p>
<p>ARTISTIC SKILLS AND COMPETENCIES</p>	
<p><i>Music, writing, design, etc.</i></p>	<p>Primary music school – piano, the organ and mouth harmonica playing, writing, modeling</p>
<p>OTHER SKILLS AND COMPETENCIES</p>	
<p><i>Competences not mentioned above.</i></p>	<p>Survival in wartime ☺</p>
<p>DRIVING LICENCE(S)</p>	
<p></p>	<p>Clean driving license, B category</p>
<p>ADDITIONAL INFORMATION</p>	
	<p>[Include here any other information that may be relevant, for example contact persons, references, etc.]</p>

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

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 Krajinović; Mirna Vranić-Ladavac; **Alemka Markotić**. Flaviviridae // Medical Microbiology / Selma, Uzunović-Kamberović (eds.). Zenica: Printing Fojnica LLC, 2009. Str. 845-849.

5. Lidija Cvetko Krajinović, John-Christian Kurolt; Mirna Vranic-Ladavac; **Alemka Markotić**. Filoviridae // Medical Microbiology / Selma, Uzunović-Kamberović (eds.). Zenica: Printing Fojnica LLC, 2009. Str. 861-864.

Invited lectures-international

1. 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), 1998

2. The Fifth International Conference on HFRS, HPS and hantaviruses, Fondation Mérieux, Les Pensières, Veyrier-du-Lac, France ("The possible role of cytokines, chemokines and their receptors in the immunopathogenesis of HFRS and HPS"), 2001

3. Seminar-Department of Virology, Institute for Medical Microbiology & Hygiene, Klinikum Universitäts, Freiburg, Germany ("Immunoreactions to hantaviruses. Can we link *in vivo* and *in vitro*?"), 2002

4. INCO MED Thematic Workshops for the definition of the 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"), 2005

5. Medical School, University of Nevada, USA ("Imunopathogenesis of hantaviruses"), 2005

6. Fourth European-American School in Forensic Genetics and Mayo Clinic Course in Advanced Molecular and Cellular Medicine, Dubrovnik, Croatia, September 5-9, 2005 ("Innate immunity to biothreat agents as a basis for therapy development"), 2005

7. National Institutes of Health / National Institute of Allergy and Infectious Diseases Conference, Opatija, Croatia ("Immunoreactions to hantaviruses"), 2006

8. 23 rd Conference of the European branch of the International Union against Sexually Transmitted Infections (IUSTI) on Sexually Transmitted Infections and HIV / AIDS, Cavtat, October, 2007 (What Challenges a clinician may expect from STIs in the future), 2007

9. 18th meeting of the European Network for Diagnostics of "Imported" Viral Diseases (ENIVD), May 2009 (hantaviruses in Croatia), 2009

10. Columbia University Medical Center, Center for Infection and Immunity, New York, August 13, ("Zoonoses Research in Croatia"), 2010

11. National Institutes for Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, USA ("Zoonoses research in Croatia and future perspectives for collaboration"), 2010

12. International Symposium on Biosecurity, the U.S. National Academy of Sciences, Istanbul, Turkey, July 12-14 ("Management of dangerous pathogens in Croatia"), 2011,

13. 3rd Annual International Symposium - Biosecurity and Biosafety: Future Trends and Solutions, Milan, Italy, October 12-14 ("Political boundaries, Biotherat and Preparedness), 2011,

14. Institut für Medizinische Mikrobiologie, Universitätsmedizin Göttingen, Georg-August-Universität, Göttingen, Germany ("Zoonoses in Croatia"), 2012

15. Fifth Croatian Conference on urogenital tract infections with international participation, Opatija, 27.-28. April 2013.

16. 10th Croatian Conference on Clinical Microbiology and 7th Croatian Conference on Infectious Diseases with international participation, Rovinj, 24.-27. October, 2013.
17. National Academy of Sciences, USA, Royal Society, UK and Croatian Academy for Sciences and Arts. Science Needs for Microbial Forensics: Developing an International Roadmap, Zagreb 2013
18. Polish Academy of Sciences. Natural or Deliberate Outbreak – How to Prevent or Detect and Trace its Origin: Biosecurity, Surveillance, Forensics; Warsaw 2013
19. Meeting of States Parties of the Biological Weapons Convention, Geneva, 2013 and 2014 (representative of National Academy of Sciences, USA).

The editorial board of the journals:

- Deputy Editor Croatian Journal of Infection
- Member Editorial ISRN Infectious Diseases

The number and quality of students:

Mentoring-defended doctorates and doctorates in progress

- Ljiljana Cebalo, MD – PhD student on the project 0021005 - doctorate 28.11.2007. Zagreb, Medical Faculty, Univ. of Zagreb, "The immune response caused by Hantaan and Andes virus infection in MRC-5 and HEK293 cells"
- A. Vidovic, MD - PhD student on the project 0021003 - defended his doctorate 11.03.2010., Medical Faculty, University of Zagreb: "Interactions of endocrinology and immune systems in post-traumatic stress disorder,"
- D. Ledina, MD.,MSc, 2011, he defended his doctorate at MF Zagreb entitled "Markers of endothelial dysfunction and chronic renal disorders in Croatian soldiers infected with hantaviruses in the homeland war"
- Lidija Cvetko Krajinović, BSc – PhD student - approved doctoral dissertation
- Ivan-Christian Kurolt, BSc. – PhD student - Doctoral proposals in progress
- Ante Tadin, BSc, PhD student, doctoral proposals in progress
- Peter Svoboda, B. Sc. – PhD student - doctoral proposals in progress

Mentoring undergraduate students-Rector's Award

- Ljiljana Cebalo - 2002
- Mateja Jankovic - 2004

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

Establishment of departments, institutes, referral centers, societies:

The Center for emerging and re-emergeng infectious diseases, University Hospital for Infectious Diseases "Dr. Fran Mihaljevic ", 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 Mihaljevic", Zagreb (2010)
Founder of the Croatian Society of Biosafety and Biosecurity (2014)

Important books in Croatian:

1. Markotić A. Filoviride. Mlinaric Galinovic G, Ramljak Šešo M eds, In: Medical Microbiology and Parasitology II (special). Textbook for high school students, 2003, p.
2. Markotić A. Togaviride. Mlinaric Galinovic G, Ramljak Šešo M eds, In: Medical Microbiology and Parasitology II (special). Textbook for high school students, 2003, p.
3. Markotić A. Bunyaviridae. Mlinaric Galinovic 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

Organization of international and national conferences

National:

1. Expert Meeting of the Institute of Immunology, Zagreb, 1995
2. 55th scientific expert meeting of the Croatian Society for infectious diseases, Dubrovnik, 1995
3. 57th scientific expert meeting Croatian Society for infectious diseases. Zadar, 1996
4. 58th scientific expert meeting of Croatian Society for infectious diseases, Zagreb, 1996
5. 60th scientific expert meeting of Croatian Society for infectious diseases, Šibenik, 1988
6. The First Croatian Congress of Infectious Diseases with international participation, Dubrovnik, 1998
7. 64th scientific expert meeting of Croatian Society for infectious diseases, Varazdin, Croatia, 2001
8. 65th scientific expert meeting of Croatian Society for infectious diseases, Zagreb, Croatia, 2001
9. Symposium - Hemorrhagic fever with renal syndrome in Croatia in 2002. year 2002
10. 5th Croatian Congress of Infectious Diseases with international participation, 2006
11. 6th Croatian Congress on Infectious Diseases with international participation, Sibenik, 2009
12. Professor Fran Mihaljevic Day - 76 Interdisciplinary Symposium on "Impact of Globalization of Infectious Diseases", Zagreb, 2009
13. 77th scientific - professional symposium on Infectious Diseases with international participation "Infections in the surgical, neurological and immunocompromised patients, and the role and importance of infectious diseases in the county hospital," Koprivnica, 2010
14. Symposium: "The practical knowledge against dengue virus," Hospital for Infectious Diseases "Dr. Fran Mihaljevic", Zagreb., 2011,
15. Symposium: "The therapeutics as immunomodulators" Hotel Dubrovnik, Zagreb, 2011,
16. 79th Scientific conference «News infectology», Trogir, Hotel resort "Honey" of 2011
17. Symposium: "Controversies in immunization," Hospital for Infectious Diseases "Dr. Fran Mihaljevic", Zagreb, 2011,
18. Symposium: Hemorrhagic fever with renal syndrome - a challenge for doctors and researchers, Croatian Academy of Sciences and Arts, 07.11.2012.
19. Fifth Croatian Conference on urogenital tract infections with international participation, Opatija, 27.-28.April 2013.
20. 10th Croatoan Conference on Clinical Microbiology and 7th Croatian Conference on Infectious Diseases with international participation, Rovinj, 24.-27. October, 2013.

International:

National Institutes of Health / National Institute of Allergy and Infectious Diseases Conference, Opatija, Croatia, 2006

Eurolept2012, European meeting of Leptospirosis, Dubrovnik 30.05. do 03.06.2012.

3rd Southeast European Conference of Chemotherapy and Infection (SEEC), Dubrovnik, 08-11-11.2012.

SEE-WHO Symposium on „One Health“, University Hospital for Infectious Diseases „Dr. Fran Mihaljević“, Zagreb, June 2013.

2nd Meeting of Middle-European Societies for Immunology and Allergology, Opatija, 10-13. October, 2013.

National Academy of Sciences, USA and Croatian Academy for Sciences and Arts. *Science Needs for Microbial Forensics: Developing an International Roadmap* from 14-16 October 2013, 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.

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.

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.

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

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

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
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- 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

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