

Curriculum Vitae

PERSONAL DATA

Name and surname	Krešimir Pavelić
Academic title	Professor / M.D. , P.h.D
Year and institution of PhD obtained	1979, School of Medicine, University of Zagreb, Croatia
Address	Radmile Matejcic 2
Phone	+385 51 584 550
Fax	+385 51 584 599
E-mail	pavelic@biotech.uniri.hr
Citizenship	Croatian
Date and place of birth	July 19, 1952

WORK EXPERIENCE

Date (from - until)	2008 -
Institution	University of Rijeka, Department of Biotechnology
Position	Head of the department
Work field	Interdisciplinary field of Science ó Biotechnology and Biomedicine (oncology, genomics, proteomics)
Date (from - until)	1993-2007
Institution	Ru er Bo-kovi Institute, Zagreb
Position	Director, Division of Molecular Medicine, Ru er Bo-kovi Institute
Work field	Biomedicine (oncology, genomics, proteomics)
Date (from - until)	1991-1997
Institution	Ru er Bo-kovi Institute, Zagreb, Division of Molecular Medicine,
Position	Head, Laboratory of Molecular Oncology, Division of Molecular Medicine,
Work field	Biomedicine (oncology)

EDUCATION

Date (from - until): 1979.
Place : Zagreb
Institution: School of Medicine, University of Zagreb
Title of qualification awarded : Ph.D

Date (from - until): 1977.
Place : Zagreb
Institution Center for Postgraduate Studies, University of Zagreb
Title of qualification awarded : Msc.

Date (from - until): July 1975.
Place : Zagreb
Institution: School of Medicine, University of Zagreb
Title of qualification awarded : M.D.

LANGUAGES:

MOTHER TONGUE Croatian

ENGLISH LANGUAGE

Speaking very good
Writing very good
Reading very good

RESEARCH AND OTHER PROJECTS

1. Development of Technology for Radioimmunoassay Components for Measuring Hormone Levels in Blood. Ministry of Science, Technology and Information, Republic of Croatia, Zagreb, 1982., Grant No. V-683/1-82
2. Development of Technology for Production of Fetal Calf and Newborn Calf Serum for Cell Culture System. Ministry of Science, Technology and Information, Republic of Croatia, Zagreb, 1983. Grant No. V-511/1-83
3. Isolation and Characterization of Tumor Produced Substance Immunologically Cross Reactive with Insulin.

BRSB Grant Committee, Roswell Park Memorial Institute, Buffalo, Department of Health, State of New York, 1984-1985.

4. Differentiation and Growth Control of Normal and Tumor Cells. Ministry of Science, Technology and Information, Republic of Croatia, Zagreb, 1986-1990. Grant No. 2.04.01.02.01
5. Substance Immunologically Cross Reactive with Insulin. Commission of the European Communities. 1989 - 1992. Grant No. I1-0334-YU/A
6. Growth Factors. Yugoslav Government. 1990- 1995. Grant No. P-354/6
7. Expression and Role of Oncogenes and Growth Factors in Malignant Tumors. Ministry of Science, Technology and Information, Republic of Croatia, Zagreb, 1991-1993. Grant No.1/08/144
8. Automatic synthesis of DNA. Institute Open Society Croatia (Soros Foundation), Zagreb, 1993.
9. Establishment of the Eastern and Central European Human Tumor Bank Network. Institute Open Society Croatia (Soros Foundation), Zagreb, 1994.
10. National Cancer Research Program, Ministry of Science and Technology, Republic of Croatia, 1997- present, Grant No. P-9811
11. Molecular Genetic Basis of Metastasis, Ministry of Science and Technology, Republic of Croatia, 1997-present, Grant No. P-1104
12. Establishing of toxicological and antitumoral effects of potential agents against tumors. Ministry of Science and Technology, Republic of Croatia, 2001- present, Grant No. 00981499
13. Effect of transduction of genes/proteins on signal transduction in tumor cells. Ministry of Science and Technology, Republic of Croatia, Zagreb, Project No.. 0098093, 2001-2006
14. Center for Integrative Genomics. Technology Related Research and Development Projects (TEST). Program Core, Ministry of Science, Education and Sports, Republic of Croatia, Zagreb, Project No J-1/2004.

15. Molecular characteristics of miofibroblasts in Dupuytren disease. Ministry of Science, Educations and Sports, Republic of Croatia, Zagreb, Project No 098-0982464-2393.

16. Development of drug against Dupuytren contracture. National Fund for Devevelopment and Employment, Zagreb, Croatia, Project No 450-05/06-01/0003.

TEACHING

Undergraduate study:

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Graduate study:

Graduate programme š Drug research and developmentō
Nanomedicine, Personalized medicine

Graduate programme š Biotechnology in medicineō
Nanomedicine, Personalized medicine

Postgraduate study:

Postgraduate Study in Oncology, School of Medicine,
University of Zagreb, 1977-present
Hormones and cancer, growth factors, oncogenes, new
approaches in anticancer therapy, new diagnostic procedures

Postgraduate Study in Predclinical and Experimental
Pharmacology and Clinical Pharmacology. School of Medicine,
University of Zagreb, 1987-1989
Molecular pharmacology

Postgraduate Study in Endocrinology, School of Medicine,
University of Zagreb, 1988-1989
Growth factors

International Postgraduate Study in Diabetology, School of
Medicine, University of Zagreb, 1988-1989
Growth factors, hormones and cancer

Postgraduate Study in Neurology, School of Medicine,
University of Zagreb, 1993-1994
Cancer genetics

Postgraduate Study in Medical Genetics, School of Medicine,
University of Zagreb, 1994-present
Molecular genetic, cancer genetic

Postgraduate Study in Cytology, School of Medicine, University
of Zagreb, 1994-present
Molecular genetic of cancer

Postgraduate Study in Medical Microbiology, School of
Medicine, University of Zagreb, 1994/1995
Principles and application of recombinant DNA technology in
medical microbiology

Postgraduate Study Biomedicine, School of Medicine University
of Rijeka, 1996-present
Molecular oncology

Postgraduate and Postdoctoral Study, School of Medicine,
University of Zagreb, 1998-present
Molecular Oncology

Postgraduate study Medical chemistry, Department of
biotechnology, University of Rijeka, 2010 -

MENTORSHIPS OF DOCTORAL AND MASTER DISSERTATIONS AND TRAINING OF YOUNG RESEARCHERS AND SCIENTISTS

Ph.D., Master of Science and Graduate Thesis Supervisor

Graduate Thesis

1. **Suzana Marušić:** Medical Faculty, University of Zagreb, 1983.
2. **Neda Despot:** Faculty of Natural Sciences, University of Zagreb, 1989.
3. **Lidija Herceg:** Faculty of Natural Sciences, University of Zagreb, 1989.
4. **Vedrana Montana:** Faculty of Pharmacy and Biochemistry, University of Zagreb, 1992.
5. **Željka Banjac:** Faculty of Natural Sciences, University of Zagreb, 1992.

6. **Jasna Lovrenčević:** Faculty of Pharmacy and Biochemistry, University of Zagreb, 1992.
7. **Martina Nikšić:** Faculty of Natural Sciences, University of Zagreb, 1993.
8. **Vanja Karamatić:** Faculty of Natural Sciences, University of Zagreb, 1993.
9. **Maja Herak:** Faculty of Natural Sciences, University of Zagreb, 1993.
10. **Danijela Štorga:** Faculty of Natural Sciences, University of Zagreb, 1993.
11. **Maria Antonia Mustapić:** Faculty of Pharmacy and Biochemistry, University of Zagreb, 1993.
12. **Vanja Bulat:** Faculty of Pharmacy and Biochemistry, University of Zagreb, 1994.
13. **Mirjana Mariana Kardum** Faculty of Pharmacy and Biochemistry, University of Zagreb, 1994.
14. **Andrea Zanchi:** Faculty of Pharmacy and Biochemistry, University of Zagreb, 1994.
15. **Ivana Rako:** Faculty of Pharmacy and Biochemistry, University of Zagreb, 1995.
16. **Božidar Jerković:** Faculty of Natural Sciences, University of Zagreb, 1995.
17. **Gordana Bubanović:** Faculty of Natural Sciences, University of Zagreb, 1996.
18. **Karmen Tičić:** Faculty of Pharmacy and Biochemistry, University of Zagreb, 1996.
19. **Jasna Štanfel:** Faculty of Pharmacy and Biochemistry, University of Zagreb, 1996.
20. **Mario Štefanović:** Faculty of Pharmacy and Biochemistry, University of Zagreb, 1996.
21. **Branka Milošević:** Faculty of Pharmacy and Biochemistry, University of Zagreb, 1996
22. **Jelena Valenko:** Faculty of Pharmacy and Biochemistry, University of Zagreb, 1996.

23. **Lada Velagić:** Faculty of Pharmacy and Biochemistry, Zagreb, University of Zagreb, 1996.
24. **Koraljka Husnjak:** Faculty of Natural Sciences, University of Zagreb, 1997.
25. **Branka Gršković:** Faculty of Natural Sciences, University of Zagreb, 1997.
26. **Ivana Furčić:** Faculty of Natural Sciences, University of Zagreb, 1997.
27. **Neva Grgičević-Mihalić:** Faculty of Natural Sciences, University of Zagreb, 1997.
28. **Jelena Vlašić:** Faculty of Pharmacy and Biochemistry, University of Zagreb, 1998.
29. **Inga Urlić:** Faculty of Natural Sciences, University of Zagreb, 1998.
30. **Tanja Saulig:** Faculty of Natural Sciences, University of Zagreb, 1998.
31. **Ana Babić:** Faculty of Natural Sciences, University of Zagreb, 1999.
32. **Lana Vuk Sappe:** Faculty of Pharmacy and Biochemistry, University of Zagreb, 2004.

Master of Science Thesis

1. **Mirjana Maletić:** Postgraduate Study of Natural Sciences, University of Zagreb, 1982.
2. **Ljiljana Petrušić:** Postgraduate Study of Natural Sciences, University of Zagreb, 1983.
3. **Emil Štajduhar:** Postgraduate Study of Natural Sciences, University of Zagreb, 1983.
4. **Željko Županović:** Postgraduate Study of Natural Sciences, University of Zagreb, 1983.
5. **Suzana Marušić:** Faculty of Natural Sciences, University of Zagreb, 1985.

6. **Catherine L. Sullivan:** University of Buffalo, New York, 1985.
7. **Božo Krušlin:** Medical Faculty, University of Zagreb, 1987.
8. **Hidajet Pačarizi:** Medical Faculty, University of Zagreb, 1987.
9. **Radan Spaventi:** Faculty of Natural Sciences, University of Zagreb, 1988.
10. **Simeon Grazio:** Faculty of Natural Sciences, University of Zagreb, 1991.
11. **Sanja Kapitanović:** Medical Faculty, University of Zagreb, 1992.
12. **Nives Pećina-Šlaus:** Faculty of Natural Sciences, University of Zagreb, 1992.
13. **Neda Slade:** Faculty of Natural Sciences, University of Zagreb, 1993.
14. **Tomo Šarić:** Faculty of Natural Sciences, University of Zagreb, 1993.
15. **Vesna Matijević:** Faculty of Natural Sciences, University of Zagreb, 1994.
16. **Marijeta Horvatić:** Faculty of Natural Sciences, University of Zagreb, 1994.
17. **Reno Hrašćan:** Faculty of Natural Sciences, University of Zagreb, 1995.
18. **Lada Pečur:** Faculty of Natural Sciences, University of Zagreb, 1995.
19. **Irena Kocijan:** Faculty of Natural Sciences, University of Zagreb, 1996.
20. **Maša Katić:** Faculty of Natural Sciences, University of Zagreb, 1997.
21. **Karapandža Nikola:** Medical Faculty, University of Zagreb, 1999.
22. **Koraljka Husnjak:** Faculty of Natural Sciences, University of Zagreb, 2001.

Ph.D. Thesis

1. **Veljko Božikov:** Medical Faculty, University of Zagreb, 1981.
2. **Stojan Radić:** Medical Faculty, University of Niš, 1981.
3. **Damir Vrbanec:** Medical Faculty, University of Zagreb, 1982.
4. **Bosiljka Pekić:** Medical Faculty, University of Zagreb, 1982.
5. **Ljubomir Pavelić:** Medical Faculty, University of Zagreb, 1982.
6. **Vladimir Baltić:** Medical Faculty, University of Zagreb, 1985.
7. **Ivan Zgradić:** Medical Faculty, University of Zagreb, 1987.
8. **Sonja Levanat:** Ruđer Bošković Institute, University of Zagreb, 1988.
9. **Suzana Marušić:** Medical Faculty, University of Zagreb, 1988.
10. **Radan Spaventi:** Medical Faculty, University of Zagreb, 1992.
11. **Tomo Šarić:** Medical Faculty, University of Zagreb, 1996.
12. **Nives Pećina-Šlaus:** Medical Faculty, University of Zagreb, 1998.
13. **Magdalena Grce:** Faculty of Natural Sciences, University of Zagreb, 1998.
14. **Mihael Skerlev:** Medical Faculty, University of Zagreb, 1998.
15. **Drago Bešlo:** Faculty of Natural Sciences, University of Zagreb, 1999.
16. **Reno Hraščan:** Faculty of Natural Sciences, University of Zagreb, 1999.
17. **Silva Hečimović:** Faculty of Nutrition and Biotechnology, University of Zagreb, 2000.

18. **Maja Sirotković-Skerlev**: Faculty of Medicine, University of Zagreb, 2001.
19. **Toni Kolak**: Faculty of Medicine, University of Zagreb, 2002.
20. **Dinka Pavičić**: Faculty of Medicine, University of Zagreb, 2003.
21. **Mirela Sedić**, Faculty of Natural Sciences, University of Zagreb, 2007.

AWARDS AND RECOGNITIONS

University of Zagreb May Prize for research performed by students for 1972. and 1973.

Drago Perovi Prize for students of the School of Medicine, University of Zagreb for 1973.

Federal Prize for Young Scientists (under 30) for 1978.

Vuk Vrhovac Prize for research in diabetology (Diabetology Section of Croatian Medical Association) for 1982.

Roswell Park Memorial Institute Fellowship 1984-1986.

University of Hamburg Fellowship 1988.

Fullbright Fellowship of U.S. Government 1990 and 1991.

Yamagiwa - Yoshida Memorial Award, International Union Against Cancer, 1993.

Croatian Academy of Medical Sciences, Annual award "Ante Trger" for best scientific paper published in 1996.

Croatian Government State Award for 1998.

MEMBERSHIP IN SCIENCE ORGANIZATIONS AND BODIES

Croatian Immunological Society
Croatian Cancer Society
Croatian Genetical Society
Croatian Physiological Society
Croatian Association of Human Genetics
Croatian Endocrinological Society

European Association for Cancer Research
International Stress Management Association
European Society of Human Genetics

COMMISSIONS, COMMITTEES, BOARDS AND WORK GROUPS

- 1st International Conference on Signal Transduction
8-11 October 1998, Cavtat-Dubrovnik, Croatia
- 2nd International Conference on Signal Transduction
26-31 May 2000, Cavtat-Dubrovnik, Croatia
- 3rd International Conference on Signal Transduction
May 2002, Cavtat-Dubrovnik, Croatia
- 4nd International Conference on Signal Transduction
May 2004, Cavtat-Dubrovnik, Croatia
- 1nd International Conference on Mechanisms of Action of
Nutraceuticals, 14-19 October, 2001, Cavtat-Dubrovnik,
Croatia
- 2nd International Conference on Mechanisms of Action of
Nutraceuticals. October, 2002, Krems, Austria
- 3rd International Conference on Mechanisms of Action of
Nutraceuticals, November, 2004, Maggie Walley, North
Caroline, USA
- 2nd EMBO Sectoral Meeting on Molecular Medicine
19-22. June, 2003, Cavtat-Dubrovnik, Croatia
- 2nd International conference on regenerative orthopaedics and
tissue engineering. 20-22, 09. 2012, Opatija, Croatia.
(Co-president).

PAPERS

CC scientific papers: 246

Other scientific papers: 34

OTHER RESEARCH ACTIVITIES

Two research and development projects with Austiran industrial partner in the development of products from the following domains:

1. medical nano agents with ion exchange properties
2. purified antioxidants bound to nano carriers for the treatment of patients

COMPUTER SKILLS

Actively and daily use of MS Office packages.

OTHER IMPORTANT SKILLS AND COMPETENCES

Selected Executive and Administrative International Functions

Secretary General, European Molecular Biology Conference (EMBC), 2008-present

Ex Officio Member, EMBO Council 2008-present

Vicepresident European Molecular Biology Conference (EMBC), 2004 ó 2008.

Member, Standing Committee, European Medical Research Council, European Science Foundation, 2004-present

Delegate, European Molecular Biology Conference, 2001-present

Delegate, European Molecular Biology Laboratory, 2006-present

Member, Strategic Working Party EMBC/EMBO, 2004-present

Member, Nahrstoff Akademie Salzburg, scientific board, 2003-present

Member of Executive Committee, European Association for Cancer Research 1999-2003

Selected Executive and Administrative Domestic Functions

President , National Scientific Board Republic of Croatia, 2007-2013.

Head, Department of Biotechnology, University of Rijeka, 2008-present

Director, Division of Molecular Medicine, Ruđer Bošković Institute, 1993-2007.

President Governing Council, Institute for Medical Research and Occupational Health 2005-2011.

Director, National Cancer Research Program, Ministry of Science and Technology, Republic of Croatia, 1996-2002.

President, Executive board of the Workers Council, Ruđer Bošković Institute, 1981-1982.

President, Scientific Council, Department of Experimental Biology and Medicine, Ruđer Bošković Institute, 1986-1988.

Dean (President), Scientific Council of the Ruđer Bošković Institute, 1987-1992.

Member, Scientific Council of the University of Zagreb (Board of deans) 1987-1992.

Member, National Board for Scientific Awards, Republic of Croatia, 1988.

Head, Laboratory of Molecular Oncology, Division of Molecular Medicine, Ruđer Bošković Institute, 1991-1997.

Member, Council of the School of Medicine, University of Zagreb, 1991-1992

Member, National Board for Biomedicine, Ministry of Science and Technology, Republic of Croatia, 1995-1998.

President, Section of Molecular Genetic, Croatian Society of Human Genetic, 1995-1997.

Member, Croatian Association of the Club of Rome, 1995-present.

Assistant Director General, Ruđer Bošković Institute, 1999-present

Member and vicepresident, National Board for Scientific Awards, Biomedicine, 2001-2005.

Member, Gouverning Board, Agency for Science and High Education, Ministry of Sciences, Education and Sports, 2005-present

Member, National Scientific Board, 2004-2012.

ADDITIONAL INFORMATION AND NOTES

Invited lectures at international conferences

Selected CC publications

1. L. Munjas Jurkić, I. Cepanec, S. Kraljević Pavelić, **K. Pavelić**, Biological and therapeutic effects of ortho-silicic acid and some ortho-silicic acid-releasing compounds : New perspectives for therapy. *Nutrition & Metabolism*, **10** (2013) 2-20. (IF=3.156; Q2; Citations:0)
2. I. Ratkaj, I. Bujak, M. Jurišić, D. Baus, M. Lončar, K. Bendelja, **K. Pavelić**, S. Kraljević Pavelić, Microarray Analysis of Dupuytren's Disease Cells: The Profibrogenic Role of the TGF- β Inducible p38 MAPK Pathway. *Cellular physiology and biochemistry* **30** (2012), 927-942. (IF=3.415; Q2; Citations:1)
3. K. Wittine, M. Stipković Babić, D. Makuc, J. Plavec, S. Kraljević Pavelić, M. Sedić, **K. Pavelić**, P. Leysse, J. Neytse, J. Balzarini, M. Mintas, Novel 1, 2, 4-Triazole and Imidazole Derivatives of L-Ascorbic and Imino-Ascorbic Acid: Synthesis, Anti-HCV and Antitumor Activity Evaluations. *Bioorganic & medicinal chemistry* **20** (2012) 3675-3685. (IF=2.921; Q1; Citations:3)
4. S. Kraljević Pavelić, M. Sedić, H. Bošnjak, Š. Spaventi, **K. Pavelić**, Metastasis : new perspectives on an old problem. *Molecular cancer* **10** (2011) 23-36. (IF=3.993; Q2; Citations:13)
5. M. Sedić, S. Kraljević Pavelić, M. Cindrić, J. Vissers, M. Peronja, Đ. Josić, M. Ćuk, K. Fumić, **K. Pavelić**, I. Barić, Plasma biomarker identification in S-adenosylhomocysteine hydrolase deficiency. *Electrophoresis* **32** (2011) 1970-1975. (IF=3.303; Q1; Citations:0)
6. K. Wittine, M. Stipković Babić, M. Košutić, M. Cetina, K. Rissanen, S. Kraljević Pavelić, A. Tomljenović Paravić, M. Sedić, **K. Pavelić**, M. Mintas, The new 5- or 6-azapyrimidine and cyanuric acid derivatives of L-ascorbic acid bearing the free C-5 hydroxy or C-4 amino group at the ethylenic spacer: CD-spectral absolute configuration determination and biological activity evaluations. *European journal of medicinal chemistry* **46** (2011) 2770-2785. (IF=3.346; Q1; Citations:1)
7. M. Sedić, D. Jurišić, Z. Stanec, K. Hock, **K. Pavelić**, S. Kraljević Pavelić, Functional genomics in identification of drug targets in Dupuytren's contracture. *Frontiers in bioscience* **15** (2010) 57-64. (IF=4.048; Q2; Citations:2)
8. K. Ester, M. Hranjec, I. Piantanida, I. Čaleta, I. Jarak; **K. Pavelić**, M. Kralj, G. Karminski-Zamola, Novel Derivatives of Pyridyl-Benzo[b]thiophene-2-carboxamides and Benzo[b]thieno[2, 3- c]naphthyridin-2-ones: Minor Structural Variations Provoke Major Differences of Antitumor Action Mechanisms. *Journal of Medicinal Chemistry*. **52** (2009) 2482-2492. (IF=4.802; Q1; Citations:14)
9. S. Kraljević Pavelić, M. Sedić, K. Hock, S. Vučinić, D. Jurišić, P. Gehrig, M. Scott, R. Schlapbach, T. Čačev, S. Kapitanović, **K. Pavelić**, An integrated proteomics approach for studying the molecular pathogenesis of Dupuytren's disease. *Journal of Pathology* **217** (2009) 524-533. (IF=6.466; Q1; Citations:8)
10. G. Džimbeg, B. Zorc, M. Kralj, K. Ester, **K. Pavelić**, G. Andrei, R. Snoeck, J. Balzarini, E. De Clercq, M. Mintas, Mladen, The novel primaquine derivatives of N-alkyl, cycloalkyl or aryl urea: Synthesis, cytostatic and antiviral activity evaluations. *European journal of medicinal chemistry* **43** (2008) 1180-1187. (IF=2.882; Q2; Citations:15)
11. M. Hranjec, I. Piantanida, M. Kralj, L. Šuman, **K. Pavelić**, G. Karminski-Zamola, Novel amidino-substituted thienyl- and furyl-vinyl-benzimidazole derivatives and their photochemical conversion into corresponding diaza-cyclopenta[c]fluorenes. Synthesis, interactions with DNA and RNA and antitumor evaluation. Part 4. *Journal of Medicinal Chemistry* **51** (2008) 4899-4910. (IF=4.898; Q1; Citations:31)
12. R. Hrašćan, N. Pećina Šlaus, T. Nikuševa Martić, J. Franekić Čolić, K. Gall-Trošelj, **K. Pavelić**, N. Karapandža, Analysis of Selected Genes in Neuroendocrine Tumours : Insulinomas and Pheochromocytomas. *Journal of Neuroendocrinology* **20** (2008) 1015-1022. (IF=2.913; Q2; Citations:4)
13. M. Sedić, M. Poznić, P. Gehrig, M. Scott, R. Schlapbach, M. Hranjec, G. Karminski-Zamola, **K. Pavelić**, S. Kraljević Pavelić, Differential anti-proliferative mechanisms of novel derivative of benzimidazo[1, 2-a]quinoline in colon cancer cells depending on their p53 status. *Molecular Cancer Therapeutics*. **7** (2008) 2121-2132. (IF=5.003; Q1; Citations:10)
14. M. Barbarić, M. Kralj, M. Marjanović, I. Husnjak, **K. Pavelić**, J. Filipović-Grčić, D. Zorc, B. Zorc, Synthesis and in vitro antitumor effect of diclofenac and fenoprofen thiolated and nonthiolated polyaspartamide-drug conjugates. *European Journal of Medicinal Chemistry*. **42** (2007) 20-29. (IF=2.301; Q2; Citations:13)

15. T. Gazivoda, M. Šokčević, M. Kralj, L. Šuman, **K. Pavelić**, E. De Clercq, G. Andrei, R. Snoeck, J. Balzarini, M. Mintas, S. Raić-Malić, Synthesis and Antiviral and Cytostatic Evaluations of the New C-5 Substituted Pyrimidine and Furo[2, 3-d]pyrimidine 4', 5'-Didehydro-L-ascorbic Acid Derivatives. // *Journal of Medicinal Chemistry* **50** (2007) 4105-4112. (IF=4.895; Q1; Citations:17)
16. J. Pavelić, B. Radaković, **K. Pavelić**, Insulin-like growth factor 2 and its receptors (IGF 1R and IGF 2R/mannose 6- phosphate) in endometrial adenocarcinoma. *Gynecologic oncology* **105** (2007) 727-735. (IF=2.614; Q1; Citations:16)
17. M. Sirotković-Skerlev, T. Čačev, Š. Križanac, A. Kulić, **K. Pavelić**, S. Kapitanović, TNF alpha promoter polymorphisms analysis in benign and malignant breast lesions. *Experimental and molecular pathology* **83** (2007) 54-58. (IF=1.822; Q2; Citations:12)
18. T. Čačev, M. Jokić, R. Spaventi, **K. Pavelić**, S. Kapitanović, Loss of heterozygosity testing using real-time PCR analysis of single nucleotide polymorphisms. *Journal of cancer research and clinical oncology* **132** (2006) 200-204. (IF=2.469; Q2; Citations:2)
19. M. Katić, B. Bošnjak, K. Gall-Trošelj, I. Đikić, **K. Pavelić**, A clinoptilolite effect on cell media and the consequent effects on tumor cells in vitro. *Frontiers in bioscience* **11** (2006) 1722-1732. (IF=2.771; Q2; Citations:10)
20. S. Kraljević, M. Sedić, M. Scott, P. Gehrig, R. Schlapbach, **K. Pavelić**, Casting light on molecular events underlying anti-cancer drug treatment: what can be seen from the proteomics point of view?. *Cancer Treatment Reviews* **32** (2006) 619-629. (IF=4.370; Q2 Citations:15)
21. S. Kapitanović, T. Čačev, M. Antica, M. Marijeta, G. Cavrić, **K. Pavelić**, R. Spaventi, Effect of indomethacin on E-cadherin and beta-catenin expression in HT-29 colon cancer cells. *Experimental and molecular pathology* **80** (2006) 91-96. (IF=1.377; Q2; Citations:24)
22. **K. Pavelić**, R. A. Dedivitis, S. Kapitanović, T. Čačev, C. R. Guirado, D. Đanić, S. Radošević, K. Brkić, B. Pegan, Š. Križanac, Z. Kusić, Š. Spaventi, M. Bura, Molecular genetic alterations of Fhit and p53 genes in benign and malignant thyroid gland lesions. *Mutation research* **599** (2006) 45-57. (IF=4.111; Q1; Citations:7)
23. S. Kraljević, **K. Pavelić**, Navigare necessere est. *EMBO reports* **6** (2005) 695-700. (IF=7.663; Q1; Citations:6)
24. J. Pavelić, Š. Križanac, S. Kapitanović, Lj. Pavelić, M. Samaržija, F. Pavičić, Š. Spaventi, M. Jakopović, Z. Herceg-Ivanovi, **K. Pavelić**, The consequences of insulin-like growth factors/receptors dysfunction in lung cancer. *American journal of respiratory cell and molecular biology* **32** (2005) 65-71. (IF=3.988; Q1; Citations:14)
25. M. Grce, K. Husnjak, M. Matovina, N. Milutin, L. Magdić, O. Husnjak, **K. Pavelić**, Human Papillomavirus, Cytomegalovirus and Adeno-associated Virus 2 Infections in Pregnant and Non-Pregnant Women with Cervical Intraepithelial Neoplasia. *Journal of clinical microbiology* **42** (2004) 1341-1344. (IF=3.439; Q1; Citations:9)
26. K. Kowanetz, K. Husnjak, D. Holler, M. Kowanetz, P. Soubeyran, D. H. Hirsch, M. Schmidt, **K. Pavelić**, P. De Camilli, A. P. Randazzo, I. Dikic, CIN85 Associates with Multiple Efforts Controlling Intracellular Trafficking of Epidermal Growth Factor Receptors. *Molecular biology of the cell* **15** (2004) 3155-3166. (IF=7.517; Q1; Citations:77)
27. S. Kraljević, P. J. Stanmbrook, **K. Pavelić**, Accelerating drug discovery. *EMBO reports*. **5** (2004) 837-842. (IF=7.567; Q1; Citations:18)
28. M. Kralj, **K. Pavelić**, Medicine on a small scale. How molecular medicine can benefit from self-assembled and nanostructured materials. *EMBO reports* **4** (2003) 1008-1012. (IF=7.390; Q1; Citations:28)