

Krešimir Pavelić

Životopis

Sažetak. Rođen je 1952. godine u Slavonskom Brodu, državljanin Republike Hrvatske. Znanstveni je savjetnik i redovni profesor u trajnom zvanju. Osnivač je i dugogodišnji pročelnik Odjela za molekularnu medicinu Instituta "Ruđer Bošković" te osnivač i pročelnik Odjela za biotehnologiju Sveučilišta u Rijeci. Redoviti je član European Academy for Sciences and Arts, Redoviti član European Molecular Biology Organization (EMBO akademije). Dopisni je član Hrvatske akademije znanosti i umjetnosti te redovni član Akademije medicinskih znanosti Hrvatske. Član je upravnog vijeća European Molecular Biology Laboratory (EMBL) a obnašao je i funkciju člana stalnog odbora European Medical Research Council, Europske znanstvene zaklade. Obnašao je dužnost predsjednika Nacionalnog vijeća za znanost Republike Hrvatske i člana Saborskog odbora za državne nagrade za znanost te predsjednika Odbora za državne nagrade iz prirodnih znanosti RH. Obnašao je i funkciju eksperta za molekularnu medicinu pri parlamentarnim raspravama Europskog parlamenta na inicijativu Transradikalne stranke. Završio je Medicinski fakultet Sveučilišta u Zagrebu 1975. godine, magistrirao 1977. a doktorirao 1979. Znanstveni savjetnik postao je 1985. a redovni profesor na Farmaceutsko-biokemijskom fakultetu 1990. godine. U nekoliko navrata boravio je na specijalizaciji ili kao profesor u SAD i Njemačkoj (Roswell Park Memorial Institute, Buffalo, New York, Institut für Physiologische Chemie, Krankenhaus Eppendorf, Hamburg, College of Medicine, Cincinnati, Ohio Mayo Clinic, Rochester, Minnesota). Do sada je objavio 300 znanstvenih radova u uglednim međunarodnim časopisima. Sudjelovao je na preko 200 međunarodnih znanstvenih skupova kao pozvani ili plenarni predavač. Vodio je brojne domaće i međunarodne znanstvene projekte. Odgojio je stručnjake od kojih su neki sada direktori medicinskih il/ili znanstvenih ustanova. Vodio je preko 50 doktorata i magisterija. Nagrađivan je dvjema nagradama Rektora Sveučilišta u Zagrebu (1973. i 1974.), nagradom Drage Perovića (1973), federalnom nagradom za mlade znanstvenike ispod 30 godina starosti (1978) te nagradom "Vuk Vrhovac"(1980). Godine 1993. dobio je nagradu Yamagiwa-Yoshida koju dodjeljuje International Union Against Cancer, 1997. Nagradu Akademije medicinskih znanosti Hrvatske, a 1998. godine nagrađen je Godišnjom državnom nagradom za znanost. Dobitnik je Fulbrightove stipendije vlade SAD Najveće međunarodno priznanje za svoj znanstveni rad dobio je postavši redovni član EMBO godine 2002. najjače svjetske akademije znanosti o životu koja broji oko 60 nobelovaca. Dao je značajan doprinos problematici prirode transformiranih stanica te razvoja novih prolijekova i medicinskih sredstava.

Ime i adresa

Krešimir Pavelić, Odjel za biotehnologiju Sveučilišta u Rijeci, Radmile Matejčić 2, HR-51 000 Rijeka, te Sveučilište Jurja Dobrile u Puli, Pula, Zagrebačka 30, HR-52 100 Pula, Hrvatska

Osobni podaci

Rođen 19 srpnja 1952, Slavonski Brod, Hrvatska
Državljanin Hrvatske

Izbori u znanstvena zvanja

Znanstveni savjetnik, područje Biomedicina i zdravstvo, Institut "Ruđer Bošković", Zagreb, ožujak, 1985.

Viši znanstveni suradnik, područje Biomedicina i zdravstvo, Institut "Ruđer Bošković", Zagreb, listopad, 1981.

Znanstveni suradnik, područje Biomedicina i zdravstvo, Institut "Ruđer Bošković", Zagreb, travanj, 1980.

Doktorirao na Medicinskom fakultetu Sveučilišta U Zagrebu s radom "Kombinirana kemoterapija i imunoterapija miševa s malignim tumorima", 1979.

Magistrirao pri Centru za poslijediplomski studij Sveučilišta u Zagrebu s radom "Efekt imunosupresije na rast tumora u miševa", 1977.

Doktor medicine, Medicinski fakultet Sveučilišta u Zagrebu, srpanj 1975.

Nastavna zvanja

Redoviti profesor u trajnom zvanju, Sveučilišta Jurja Dobrile u Puli, 2018.

Redoviti profesor u trajnom zvanju, Sveučilišta u Rijeci, 2012.

Redoviti profesor Sveučilišta u Zagrebu, 1990.

Članstva u akademijama

Redoviti član European Academy for Sciences and Arts, 2018.

Redovni član EMBO (European Molecular Biology Organization), 2002.

Redovni član Hrvatske akademije medicinskih znanosti, prosinac, 1994

Dopisni član Hrvatske akademije znanosti i umjetnosti, lipanj, 1992.

Nastavno i znanstveno iskustvo

Redoviti profesor u trajnom zvanju 2012. na diplomskom studiju Biotehnologija u biomedicini, Sveučilišta u Rijeci. Kolegiji „Personalizirana medicina“ i „Nanomedicina“.

Redovni profesor, Medicinski fakultet Sveučilišta u Rijeci, 2007 do sada.

Redovni profesor u trajnom zvanju, Odjel za biotehnologiju Sveučilišta u Rijeci 2012.

Redovni profesor Molekularne biologije, Farmaceutsko-biokemijski fakultet, Sveučilište u Zagrebu, 1990.

Profesor Anatomije i fiziologije, Farmaceutsko-biokemijski fakultet, Sveučilište u Zagrebu, 1982-1989.

Znanstveni savjetnik, Institut "Ruđer Bošković", ožujak 1985.
Faktori rasta i onkogeni u embrionalnom i tumorskom rastu. Genetika raka.

Viši znanstveni suradnik, Institut "Ruđer Bošković", listopad 1981.
Faktori rasta i mehanizam pozitivne povratne sprege u rastu tumora. Autokrini regulacija rasta tumora.

Znanstveni suradnik, Institut "Ruđer Bošković", travanj 1980.
Istraživanje fizioloških i staničnih mehanizama djelovanja hormona i čimbenika rasta porijeklom iz tumora uključenih u autokrinu regulaciju rasta tumora.

Istraživač, Institut "Ruđer Bošković", Odjel za eksperimentalnu biologiju i medicinu, 1975-1979.
Istraživanja imunologije tumora i eksperimentalna kemoterapija tumora.

Nastava - poslijediplomski studiji

Doktorski studij iz Medicinske kemije, voditelj modula „Molekularna medicina“
Odjel za biotehnologiju, Sveučilište u Rijeci, 2010-sada.

Poslijediplomski studij Biomedicine, Sveučilište u Rijeci, 1996 do 2006.
Molekularna onkologija.

Poslijediplomski studij iz Medicinske mikrobiologije, Medicinski fakultet,
Sveučilište u Zagrebu, 1994/1995.
Principi i primjena rekombinantne tehnologije DNA u medicinskoj mikrobiologiji.

Poslijediplomski studij iz Medicinske genetike, Medicinski fakultet, Sveučilište
u Zagrebu, 1994 do sada.
Molekularna genetika raka.

Poslijediplomski studij iz Citologije, Medicinski fakultet, Sveučilište u Zagrebu, 1994.

Molekularna genetika raka.

Poslijediplomski studij iz Neurologije, Medicinski fakultet, Sveučilište u Zagrebu, 1993 - 1994.

Genetika raka.

Međunarodni poslijediplomski studij iz Dijabetologije, Medicinski fakultet, Sveučilište u Zagrebu, 1988 - 1989.

Faktori rasta, hormoni i rak.

Poslijediplomski studij iz Endokrinologije, Medicinski fakultet, Sveučilište u Zagrebu, 1988 - 1989.

Faktori rasta.

Poslijediplomski studij iz Predkliničke i eksperimentalne farmakologije. Medicinski fakultet, Sveučilište u Zagrebu, 1987 - 1989.

Molekularna farmakologija.

Poslijediplomski studij iz onkologije, Medicinski fakultet, Sveučilište u Zagrebu, 1977. do 2008.

Hormoni i rak, faktori rasta, onkogeni, novi aspekti liječenja protiv raka, novi dijagnostički postupci.

Rukovodeće i izdvojene administrativne funkcije

Međunarodne

Generalni tajnik European Molecular Biology Conference (EMBC) 2008-2013.

Član European Science Foundation College of review panel members 2016-sada

Član, European Science Foundation College of Review Panel Members, 2016-present

Član panela i recenzent za European Science Foundation, 2015-sada

Član Strateging Working Party EMBC, 2004-2013.

Dopredsjednik European Molecular Biology Conference (EMBC), 2004-2008.

Član Ex officio, EMBO Council-a, 2008-2013.

Član, Standing Committee, European Medical Research Council, European Science Foundation, 2004-2012.

Član, Council, European Molecular Biology Laboratory, 2006-sada

Član, Executive Committee, European Association for Cancer Research 1999-2003

Delegat Republike Hrvatske u EMBC (European Molecular Biology Conference), 2002-sada

Član znanstvenog odbora Nahrstoff Akademie Salzburg, 2003-sada

Domaće

- *Pomoćnik rektora Sveučilista Juraj Dobrila u Puli, 2018-sada*
- *Savjetnik rektorice Sveučilišta u Rijeci, 2017-sada*
- *Član Senata Sveučilišta u Rijeci, 2016-2018.*
- *Pročelnik Odjela za biotehnologiju Sveučilišta u Rijeci, 2008-sada*
- *Predsjednik Nacionalnog vijeća za znanost Republike Hrvatske, 2007-2012.*
- *Predsjednik Upravnog vijeća Instituta za medicinska istraživanja i medicinu rada 2005-2011.*
- *Predsjednik Matičnog odbora za polja temeljnih medicinskih znanosti, kliničkih medicinskih znanosti, javnog zdravstva i zdravstvene zaštite, stomatologije i farmacije 2005-2013.*
- *Član Upravnog vijeća Agencije za znanost i visoko obrazovanje MZOŠ, 2005-2012.*
- *Član Nacionalnog vijeća za znanost 2004 – 2012.*
- *Predsjednik Stručnog povjerenstva za dodjelu državnih nagrada za prirodne znanosti 2004-2012.*
- *Član Odbora za državne nagrade Sabora RH 2004 –2012.*
- *Direktor Nacionalnog programa "Istraživanje raka", Ministarstvo znanosti i tehnologije RH, 1996 -2002.*
- *Predsjednik Sekcije za molekularnu genetiku, Hrvatsko društvo za humanu genetiku, 1995-1997.*
- *Član Znanstvenog vijeća za biomedicinu, Ministarstvo znanosti i tehnologije Republike Hrvatske, 1995 do 2005. te od 2005. Ministarstva znanosti, obrazovanja i športa.*

- *Predstojnik* Zavoda za molekularnu medicinu Instituta "Ruđer Bošković", 1993 do 2007.
- *Voditelj* Laboratorija za molekularnu onkologiju, Zavoda za molekularnu medicinu, Instituta "Ruđer Bošković", 1991-1997.
- *Član* Vijeća Medicinskog fakulteta, Sveučilište u Zagrebu, 1991-1992.
- *Član* Republičke komisije za znanstvene nagrade, Republike Hrvatske, 1988.
- *Član* Senata Sveučilišta u Zagrebu, 1987-1992.
- *Predsjednik* Znanstvenog vijeća Instituta "Ruđer Bošković", 1987-1992.
- *Član* Znanstvenog vijeća Sveučilišta u Zagrebu (Vijeće dekana) 1987-1992
- *Predsjednik* Znanstvenog vijeća, Odjel za eksperimentalnu biologiju i medicinu, Institut "Ruđer Bošković", 1986-1988.
- *Predsjednik* Izvršnog odbora radničkog savjeta, Institut "Ruđer Bošković", 1981-1982.

Članstva u znanstvenim udruženjima

- Hrvatsko bioetičko društvo
- Hrvatsko imunološko društvo
- Hrvatsko kancerološko društvo
- Hrvatsko genetičko društvo
- Hrvatsko fiziološko društvo
- Hrvatsko društvo za humanu genetiku
- Hrvatsko endokrinološko društvo
- Europsko društvo za istraživanje raka
- Međunarodno društvo za stres
- Europsko društvo za humanu genetiku
- Hrvatsko društvo za proteomiku

Specijalizacije i boravci u inozemstvu

- *Gost profesor, Fulbrightova stipendija*, Mayo Clinic and Foundation, Division of Developmental Oncology Research Rochester, MN. USA, 1991.

- *Gost profesor, Fulbrightova stipendija*, University of Cincinnati, College of Medicine, Department of Pathology and Laboratory Medicine, Cincinnati, OH, USA, 1990.
- *Gost profesor*, University of Hamburg, University Clinic Eppendorf, Institute for Physiological Chemistry, Hamburg, Germany, (3 mjeseca) 1985.
- *Gost profesor*, Roswell Park Memorial Institute, Grace Cancer Drug Center, Buffalo, N.Y. U.S.A. 1983-1985.
- Roswell Park Memorial Institute, Buffalo, N.Y. studeni 1978.

Nagrade i priznanja

- Godišnja državna nagrada za znanost 1998.
- Nagrada Hrvatske akademije medicinskih znanosti "Ante Šerčer" za najbolji znanstveni rad objavljen 1996.
- *Yamagiwa-Yoshida Memorial Award*, International Union Against Cancer, 1993.
- *Fulbrightova stipendija* Vlade SAD 1990. i 1991.
- *Stipendija* University of Hamburg 1988.
- *Stipendija* Roswell Park Memorial Institute 1984-1986.
- Nagrada "*Vuk Vrhovac*" za istraživanja iz dijabetologije, 1982.
- *Federalna nagrada za mlade znanstvenike* (do 30 godina), Nagrada „7 sekretara SKOJa“ za znanstveni rad, 1978.
- Nagrada Zaklade "*Drago Perović*" za studente Medicinskog fakulteta Sveučilišta u Zagrebu, 1973.
- *Sveučilište u Zagrebu*, Nagrada rektora za studente 1973.
- *Sveučilište u Zagrebu*, Nagrada rektora za studente 1972.

Članstva u uredništvu i časopisima i recenziranje za znanstvene časopise i projekte

- *Advances in Genetic Engineering and Biotechnology*, Boston, MA, USA member of editorial board since July 2014

- *MD-Medical Data*, MOST ART, član uredničkog odbora , Serbia, 2011
- *Journal of Oncology*, Hindawi publishing Group, član uredničkog odbora, 2008.
- *Medical Science Monitor*, član uredništva od 2002.
- *Balkan Journal of Medical Genetics*, član uredništva od 2002.
- *Medicus*, PLIVA d.o.o., član uredničkog odbora od 1996.
- *Pathology Oncology Research*, Budimpešta, Mađarska, član uredništva, od 1996.
- *Libri Oncologici*, Zagreb, Hrvatska, član uredničkog odbora, od 1992.
- Povremeni recenzent za međunarodne znanstvene časopise (*British Journal of Cancer, Cancer Research, European Journal of Cancer, Journal of Cancer Research and Clinical Oncology, Oncogene* itd,) od 1989.

Recenzent za međunarodne institucije

- European Science Foundation
- ESF-EMBO Symposia Review Panel

Organiziranje međunarodnih znanstvenih skupova

- 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
- 4th International Conference on Signal Transduction
May 2004, Cavtat-Dubrovnik, Croatia
- 1st 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).

Projekti (glavni istraživač)

Međunarodni kompetitivni

1. *Substance Immunologically Cross Reactive with Insulin*. Commission of the European Communities. 1989 - 1992. Projekt No. I1-0334-YU/A
2. *Isolation and Characterization of Tumor Produced Substance Immunologically Cross Reactive with Insulin*. BRSG Grant Committee, Roswell Park Memorial Institute, Buffalo, Department of Health, State of New York, 1984-1985.

Međunarodni industrijski

1. *Contract on research and biological impacts of ion exchangers based on aluminosilicates*. Nano100T Inc., Montreal Quebec, Canada, 2009.
2. *Effects on different zeolites on osteoporosis*. Panaceo International Active Mineral Production GmbH, Villach-Godersdorf, Austria, 2011.
3. *Isolation of polyphenols from the extracts of olive leaves (Olea Europaea L.) and adsorption on zeolite (clinoptilolite)*. Panaceo International Active Mineral Production GmbH, Villach-Godersdorf, Austria, 2011.
4. *Detoxification effect of PMA zeolite clinoptilolite*. Panaceo International Active Mineral Production GmbH, Villach-Godersdorf, Austria, 2014.
5. *Effect of PMA zeolite on bone metabolism: Experimental and clinical study*. Panaceo International Active Mineral Production GmbH, Villach-Godersdorf, Austria

Domaći

1. *Izrada komponenata i kompleta za radioimunokemijsko određivanje hormona*. Ministarstvo znanosti, tehnologije i informatike Republike Hrvatske, Zagreb, Hrvatska 1982., Projekt No. V-683/1-82
2. *Razrada tehnologije proizvodnje telećih seruma za rast kultura stanica*. Ministarstvo znanosti, tehnologije i informatike Republike Hrvatske, Zagreb, Hrvatska, 1983. Projekt No. V-511/1-83

3. *Diferencijacija i kontrola rasta normalnih i tumorskih stanica.* Ministarstvo znanosti, tehnologije i informatike Republike Hrvatske, Zagreb, Hrvatska, 1986-1990. Projekt No. 2.04.01.02.01
4. *Faktori rasta.* (koordinatorski projekat za poticaj tehnološkog razvoja Jugoslavije). Savezno izvršno vijeće SFR Jugoslavije, 1990. Projekt No. P-354/6
5. *Ekspresija i uloga onkogena i faktora rasta u malignim tumorima.* Ministarstvo znanosti i tehnologije Republike Hrvatske, Zagreb, Hrvatska 1991-1993. Projekt No.1/08/144
6. *Automatic synthesis of DNA.* Institute Open Society Croatia (Soros Foundation), Zagreb, 1993.
7. *Establishment of the Eastern and Central European Human Tumor Bank Network.* Institute Open Society Croatia (Soros Foundation), Zagreb, 1994.
8. *Nacionalni program "Istraživanje raka",* Ministarstvo znanosti i tehnologije Republike Hrvatske, Zagreb, Hrvatska, Projekt No. 9811, 1997-1999.
9. *Molekularno-genetička osnova metastaziranja,* Ministarstvo znanosti i tehnologije Republike Hrvatske, Zagreb, Hrvatska, Projekt No. P-1104, 1997 -1999.
10. *Uspostava modela toksikoloških i antitumorskih istraživanja potencijalnih agensa protiv tumora.* Ministarstvo znanosti i tehnologije Republike Hrvatske. Zagreb, Projekt br. 0098499, 2001-2002.
11. *Utjecaj transdukcije gena/proteina na signalne puteve transformiranih stanica.* Ministarstvo znanosti i tehnologije Republike Hrvatske. Zagreb, Projekt br. 0098093, 2001-2006.
12. *Molekularna obilježja miofibroblasta Dupuytrenove bolesti.* Ministarstvo znanosti, obrazovanja i športa Republike Hrvatske, Projekt br. 098-0982464-2393, 2007
13. *Development of drug against Dupuytren contracture.* Fond za razvoj i zapošljavanje Republike Hrvatske, Zagreb, Hrvatska, Projekt broj 450-05/06-01/0003.

Knjige (autor)

1. Pavelić K., *Kako pobijediti rak*, Globus, Zagreb, 1989
2. Pavelić K., *Kako spriječiti rak*, Globus/ Ministarstvo zdravstva Republike Hrvatske/ Hrvatska liga protiv raka, Zagreb, 1996.

3. Pavelić K., Schimpf S., Meyer-Wegener J.: *Zeolites: Energy from the Earth's Primary Rock*. VIP Sante, Luxemburg, 2002, English edition;

Pavelić K., Schimpf S., Meyer-Wegener J.: *Zeolithe: Die Kraft aus dem Urgestein der Erde*. VIP Sante, Luxemburg, 2002, German edition;

Pavelić K., Schimpf S., Meyer-Wegener J.: *La Zeolite: La force de la roche primitive terrestre.* VIP Sante, Luxemburg, 2002, French edition;

Pavelić K., Schimpf S., Meyer-Wegener J.: *As Zeolitas: A forza que provem da rocha primitiva da Terra*. VIP Sante, Luxemburg, 2002, Portuguese edition;

Pavelić K., Schimpf S., Meyer-Wegener J.: *Le Zeoliti: Forza dalla pietra primigenia della terra*. VIP Sante, Luxemburg, 2002, Italian edition.

4. Pavelić K.: *Čuda moderne medicine*. Nakladni zavod Globus, Zagreb, 2004.

Pavelić K.: *Wunder der modernen Medizin*. Nakladni zavod Globus, Zagreb, 2004.

Urednik

1. Ikić D, Pavelić K, Spaventi R: *Onkogeni i faktori rasta*, JAZU/Globus, Zagreb, 1989.

2. Pavelić K, Spaventi R: *Molekularna onkologija*, HAZU/Globus, Zagreb, 1992.

3. Polšek D, Pavelić K: *Društveni značaj genske tehnologije*, Institut društvenih znanosti Ivo Pilar, Zagreb, 1999.

4. Kurjak A, Stavljenić-Rukavina A., Pavelić K.: *Prenatalna dijagnostika i terapija*. Tonimir, Varaždinske Toplice, 2000.

5. Bodiroga N, Pavelić K, Rukavina D, Sanger GC eds.: *Personalized medicine, a new medical and social challenge*. Springer, Dordrecht, Heidelberg, London, New York, 2016.

Pozvana predavanja na međunarodnim skupovima

1. Pavelić K.: Growth of tumors in diabetic hosts. *First International Symposium on Basic Diabetology*, 22.-28.01.1984. Porlamar, Venezuela

2. Pavelić K.: Extracellular matrix: A new in vitro system. *Roswell Park Memorial Institute*, 5.11.1985, Buffalo, New York, USA

3. Pavelić K.: Nerve growth factor (NGF) induced differentiation of human neuroblastoma cells biochemical properties of methionine 5-enkephalin and its receptors. *Conference Embryonic Origins and Control of Neoplasia*, 13.-14.10.1986., Dubrovnik
4. Pavelić K., Čabrijan T., Levanat S.: Autocrine tumor growth regulation by the IGF I and the EGF. *Third International Congress on Hormones and Cancer*, 9. 1987., Hamburg, Germany
5. Pavelić K.: Induction of tumor cell differentiation in different human cell lines. *Institut for Physiological Chemistry, University Clinic Eppendorf, University of Hamburg*, 11.2.1988., Hamburg, Germany
6. Pavelić K.: A new method for tumor cell cultivation on artificial basement membrane. *Department for Molecular Endocrinology, University Clinic Eppendorf, University of Hamburg*, 23.8.1988., Hamburg, Germany
7. Pavelić K.: A substance immunologically cross reactive with insulin, *University Clinic Eppendorf, University of Hamburg*, 24.8.1988., Hamburg, Germany
8. Pavelić K.: Extracellular matrix: A new model for the in vitro cultivation of primary human tumor explants. *Mayo Clinic*, 11.5.1990., Rochester, Minnesota, USA
9. Pavelić K.: Immunohistochemical detection of C-MYC oncoprotein in paraffin-embedded tissue. *University of Cincinnati, College of Medicine*, 17.8.1990., Cincinnati, Ohio, USA
10. Pavelić K: Molecular mechanism of cell activation. *35. Congresso Nazionale Societa Italiana di Biochemica*, 29.09.- 3.10.1990., Bari, Italy
11. Pavelić K.: Oncogene and growth factors in autocrine control of tumor proliferation. *Molekularna genetika v medicini, 22. Memorijalni sastanak profesora Janeza Plečnika* 12. - 13.12.1991., Ljubljana, Slovenia
12. Pavelić K.: c-erb B-2/neu oncogene: A potencial prognostic value. *University of Cincinnati, College of Medicine*, , 28.10.1992. Cincinnati, Ohio, USA
13. Pavelić K.: New aspects in molecular medicine, uvodno predavanje. *New Aspects in Molecular Medicine 2*, Hrvatska akademija znanosti i umjetnosti, Zagreb, 5.11.1993., Cincinnati, Ohio, USA
14. Pavelić K.: Multiple genetical changes in malignant insulinoma. *Cancer Research Institute, Slovak Academy of Sciences*, 20.3.1995., Bratislava, Slovakia

15. Pavelić K.: Expression of nm23 gene in human tumors. *College of Medicine, University of Cincinnati*, 30.3.1994., Cincinnati, Ohio, USA
16. Pavelić K.: Multiple genetical alterations in malignant insulinomas. *Dnevi medicinske genetike z mednarodno udeležbo*. 19.-20.12. 1995., Ljubljana, Slovenia
17. Pavelić K.: Multiple genetical changes in neuroendocrine tumors. *Oncogenes and Tumor-Suppressor Genes*. 2.-7.12.1996., Cincinnati, Ohio, USA
18. Pavelić K.: Tumor suppressor gene NM23-H1 - A potential new tumor marker. *15th International Conference on Tumor Markers "Clinical Cancer Genetics and Biological Therapies"*. 14-17. 6. 1998, Lugano Switzerland
19. Pavelić K.: Metastasis repressor gene nm23-H1 - a potential new genetical marker. *The International Congress on Malformations and Rare Tumors of the Head and Neck*., 24.-27. 11. 1998. Zagreb, Croatia
20. Pavelić K.: Metastasis repressor gene nm23-H1 – a potential new genetical marker. *Österreichische Biochemische Gesellschaft, Österreichische Gesellschaft f. Genetik und Gentechnik, Österreichische Gesellschaft f. Klinische Chemie*, 29.04.1999., Graz, Austria
21. Pavelić K.: Molecular genetics of malignant insulinomas. *International Conference on Disease of Pancreas, Biliary Tract and Duodenum*, 07.05.1999., Ljubljana, Slovenia
22. Pavelić K.: Zeolites in Medicine. *Gesellschaft für Biologische Krebsabwehr E.V., Krebserkrankungen im Jahr 2000.*, 04.03.2000., Chemnitz, Germany
23. Pavelić K.: Breast cancer genetics and biology. *Second Central European Oncology Congress*. 27.-30.06. 2000. Opatija, Croatia
24. Pavelić K.: Molecular genetics of breast cancer. *2nd Congress of the Slovenian Genetic Society*. 13.-17.09. 2000. Bled, Slovenia
25. Pavelić K.: Increased activity of nm23-H1 gene in squamous cell carcinoma of the head and neck is associated with advanced disease and poor prognosis. *31st Memorial Meeting for Professor Janez Plečnik*. 7.-8.12. 2000. Ljubljana, Slovenia
26. Pavelić K.: New break-through in gastrointestinal cancer. *Conference on "Current Perspectives on Biomolecular Indicators and Clinical Management of Bladder, Breast, Colorectal and Lung Cancer"*. 18.-22. 04. 2001. Erice, Italy

27. Pavelić K.: Biomedical applications of zeolites. 13th International Zeolite Conference. 8.-13.07. 2001. Montpellier, France
28. Pavelić K.: Arguments for human therapeutic cloning. Conference on Stem Cells: for the Freedom of Research in Europe. European Parliament, 18.-19.09. 2001. Bruxelles, Belgium
29. Pavelić K.: Molecular genetics in oncology. SEE – Conference on Molecular Medicine, 6-8,12. 2001., Skopje, Macedonia
30. Pavelić K.: Globalization and scientific freedom in molecular medicine. 38th Congress of the Transnational Radical Party, 4. - 7. 4. 2002. Geneva, Switzerland
31. Pavelić K.: Adjuvant effect of natural clinoptilolite in anticancer therapy. 6th International Conference on the Occurrence, Properties and Utilization of Natural Zeolites. Thessaloniki, 31.5. – 3.6. 2002. Greece
32. Pavelić K.: New developments in molecular oncology. 3rd Central European Oncology Congress. Opatija 19.06-22.6. 2002.
33. Pavelić K.: Could medicine benefit from zeolites: Molecular mechanisms of clinoptilolite activity. 2nd International Conferenc on Mechanisms and Actions of Nutraceuticals. Krems 6.10.-9.10, 2002. Austria
34. Pavelić K.: Involvement of insulin-like growth factor family of genes in human cancer. EMBO Conference Frontiers of Molecular Biology. Oslo 11.10.-14-10. 2002, Norway.
- 35 Pavelić K.: Molecular genetics of breast cancer. 2nd Meeting of the Molecular Medicine Network in SE Europe. University Hamburg and DAAD Stability Pact for SE Europe. Skopje, 18. 10. 2002. Macedonia.
36. Pavelić K.: Molecular mechanisms of clinoptilolite action at cellular level. Institute of Mineralogy, University of Salzburg, Salzburg, 23. 10. 2002. Austria.
37. Pavelić Kresimir: International Conference on Bioethics in Central and Eastern Europe. Lithuanian National Commision for UNESCO. Vilnius, 11.-12. 11. 2002. Lithuania
38. Pavelić K.: The role of insulin-like growth factor family in cancer development and growth. Technical University Dresden, Institute for Zoology, Faculty of Science, Department of Biology, Dresden, 19.11. 2002. Germany.
39. Pavelić K.: Arguments for and against human reproductive and therapeutic cloning. Scientific, ethical, religious dilemmas on the embryo status and its cloning, Sarajevo, 15.02. 2003. Bosnia and Herzegovina.

40. Pavelić K.: Functional genomics in perinatal medicine. Scientific, ethical, religious dilemmas on the embryo status and its cloning, Sarajevo, 15.02.2003. Bosnia and Herzegovina.
41. Pavelić K.: Opinion on EMBO Research Awards and about European Research Council. Member of Preparative Working Party for EMBC/EMBO on the Section of Strategic Working Party EMBC and Life sciences in the European Research Council. The scientist's opinion. FEBS, EMBO and UNESCO. Paris 18. and 19.02.2003. France.
42. Pavelić K.: Mistakes and wrong ways in biomedical research. 12th Meeting on Medicine and Law. Maribor, 27.- 28.03.2003. Slovenia.
43. Pavelić K.: New aspects in cancer genetics and role of functional genomics in oncology. Health Perspective in 21.st Century. Banja Luka, , 4.-8. 06. 2003., Bosnia and Herzegovina.
44. Pavelić K.: Nanotechnology and molecular medicine. The 3rd European-American School in Forensic Medicine and Mayo Clinic Course in Advanced Molecular and Cellular Medicine. Zagreb, 1.-5.09.2003, Croatia.
45. Pavelić K.: New methods of functional genomics and changes in the regulations of drug registration. 13th Meeting on Medicine and Law 26.-27.03.2004. Maribor, Slovenia.
46. Pavelić K.: New developments in molecular oncology. 4th Central European Oncology Congress. Opatija 23.06-26.6. 2004.
47. Pavelić K.: Nanoporous materials in molecular medicine: cellular and molecular effects. 3rd International Conference on Mechanisms of Action of Nutraceuticals. Maggie Valley, Waynesville, N.C. USA, 11.-14. 11. 2004.
48. Pavelić K.: Life Science in the Europe of the Future. Joint Anniversaries EMBO, EMBC, EMBL. Mannheim, Germany, 15. 11. 2004.
49. Pavelic K.: Nanomedicine - Medicine on a small scale. Plenary lecture. Nanotechnology, Drug Delivery System. Chiang Mai, Thailand, 21. - 22. 02. 2005.
50. Pavcelic K.: Accelerating drug discovery: The role of omics technology. Plenary lecture. Free Radical School. Chiang Mai, Thailand, 21. - 22. 02. 2005.
51. Pavelic K.: Integrative genomics in cancer research and clinical practice. Human Molecular Genetics - Research and Testing Update. DAAD Stability Pact, University of Hamburg , University of Sarajevo. Sarajevo, Bosnia and Herzegovina, 25.-27. 02. 2005.
52. Pavelić K.: Aggressive and criminal behavior, molecular medicine and new judicial system. "Medicine and Law". Maribor Slovenia 18. - 19. 3. 2005.

53. Pavelic K.: Strategies for supporting life sciences research in scientifically developing countries in Europe. EMBC/EMBO Workshop on Advancing life sciences research in Europe. Berlin, Germany, 18. 04. 2005.
54. Pavelić K.: Functional genomics and drug discovery. International Symposium on Genomics and Proteomics in Experimental and Clinical Oncology. Novi Sad. Serbia and Monte Negro , 30.09.2005.
55. Pavelić K.: Omics revolution in medicine: The second generation will benefit from breakthrough in science. 13th Congress of European Union for School and University Health and Medicine Dubrovnik, Croatia, 12.-15.10. 2005.
56. Pavelić K.: Cancer Research meets functional genomics – what has been accomplished so far? Molecular Diagnostic in Medicine. Ljubljana, Slovenia 30.11. – 2. 12. 2005.
57. Pavelić K.: Integrative genomics in medicine. Molecular Biology in Medicine. Academy of Sciences and Arts of Bosnia and Herzegovina. Sarajevo, Bosnia and Herzegovina, 22. 12. 2005.
58. Pavelić K.: Problems and ethical dilemmas in genetical research and diagnostic. “Medicine and Law”. Maribor Slovenia 24.-25. 3. 2006.
59. Pavelić K.: Molecular profiling of tumors: from benchside to bedside. 1st meeting of the South Eastern European Molecular Biology and Genetics Network. Macedonian Academy of Sciences and Arts. Skopje, Macedonia, 11.-12.04.2006.
60. Pavelić K.: Integrative genomics in research and treatment of breast cancer. 14th world congress on breast cancer. Zagreb, Croatia, 18.-21.05. 2006.
61. Pavelić K.: Molecular profiling of tumors. International Conference From Solid State to Biophysics III. Cavtat, Croatia, 24.06.-1.07.2006.
62. Pavelić K.: FHIT gene in thyroid gland lesions. 4th International Conference Multidisciplinary Approach on Thyroid Gland, Salivary Glands and Parapharyngeal Space Tumors. Zagreb, Croatia 10.11.2006
63. Pavelic K.: Recent highlights in molecular medicine. Joanneum Research Meeting. Graz, Austria 28.02.2007.
64. Pavelic K.: Pavelić K.: Stem cells in therapy. 16th “Medicine and Law”. Maribor Slovenia 23. – 24. 3. 2007.
65. Pavelić K.: Casting Lights on Molecular Events Underlying Tumor Invasion and Metastasis: What can be Seen from the “Omics” point of View?

7th Slovenian Meeting of the Slovenian Biochemical Society with International Participation. Maribor, Slovenia, 26.-29. 09. 2007

66. Pavelić K.: Omics approach in cancer diagnosis and therapy. Systhers Inremos Project: Recent developments in tumor diagnosis and therapy. Piran, Slovenia, 2. – 3. 11. 2007.

67. Pavelić K.: The role of integrative genomics/proteomics in the detection and treatment of metastatic breast cancer. 5th Conference on Experimental and Translational Oncology. Kranjska Gora, Slovenia, 26.-30. 03. 2008.

68. Pavelic K.: Stem cell research: Status, prospects and prerequisites. "Medicine and Law". Maribor Slovenia 28.-29. 3. 2008.

69. Pavelić K. and Varela-Nieto I.: Stem cells and tissue engineering. European Medical Research Council Forward Look. EMRC 52nd Plenary meeting. The Royal College of Physicians. London, UK, 22-23. 04.2008.

70. Pavelic K.: Improved navigation and precise drug delivery (contributed talk). HotNanoTopics. Nanostructured bio-interfaces. Portorož, Slovenia, 26.-30.05, 2008.

71. Pavelić K.: Casting light on molecular events underlying metastasis of cancer: what can be seen from the –omics point of view. 38th Annual meeting of European Environmental Mutagen Society (EEMS) Cavtat, Croatia, 21.-25.09.2008.

72. Pavelić K.: Presentation of the ESF-EMRC Science Policy Briefing on stem cell research. European Science Foundation, European Medical Research Council. Paris, France, 13. 10. 2008.

73. Pavelić K.: Forward Look: Toward the preventive (presymptomatic) medicine in the light of high-throughput (-Omics) techniques. European Medical Research Councils (EMRC) 55th Plenary Meeting of the Standing Committee. Copenhagen, Denmark, 13-14. 10. 2009.

74. Pavelić K.: Croatian position on developing scientific strategy: from the perspective of small country. UNESCO General Conference 35th session. Major Program II – Natural Sciences. Paris, 15-16. 10. 2009.

75. Pavelic K: -Omics in Personalized Medicine. Invited introductory lecture. ESF Forward Look – Scoping Workshop on "Personalized Medicine for the European Patients" Brussels 1.07.2010.

76. Pavelić K.: Clinoptilolite: Cellular and molecular effects on tumor cells. Zeolite 2010. 8th International conference on the occurrence, properties and utilization of natural zeolites. Sofia, Bulgaria 10-18. 07. 2010.

77. Pavelić K.: Forward Look: High throughput in personalized medicine for European citizens. Strasbourg. 57. Plenary Meeting of the European Medical

Research Council, European Science Foundation. European Parliament. Strasbourg 13-14. 10. 2010.

78. Pavelić K.: Personalized medicine and high-throughput approach: toward new medical practice. Medicine and Law, Maribor, Slovenia, 25.-26.03. 2011.

79. Pavelić K: Forward Look: Personalized Medicine for the European Citizen. European Medical Research Council 40th Anniversary. Strasbourg, France, 29.09.2011.

80. Pavelic K: Clinoptilolite: cellular and molecular effects relevant for human treatment. Ospedale di Campi Salentina "San Pio de Pietreleina. Lecce, Italija, 18.05.2012.

81. Pavelic K: Forward look on biotechnology. Information sources in biotechnology. European Commission project SLING (Serving life-science information for the next generation. 7.th Framework programme. Rijeka, 21. 06. 2012.

82. Pavelić K: Human Stem Cell Research and Regenerative Medicine – A European Perspective on Scientific, Ethical and Legal Issues. 2nd International conference on regenerative orthopaedics and tissue engineering. Opatija, Croatia 20-22, 09. 2012,

83. Pavelić K: The ex-post evaluation of the impact of research projects and funding programmes. Workshop, European Research Council „The ex-post evaluation of the impacts of reserch projects and funding programmes”, Brussels, Belgium , 29-30.11. 2012,

84. Pavelić K.: Programed and induced cell death: nanomedicine as an argument against euthanasia. Medicine and Law, Maribor, Slovenia, 22.-23.03. 2013.

85 Pavelić K: Presentation of the European Science Foundation (ESF) Early diagnosis of cancer in primary health care. Future role of high-throughput technologies. ESF Exploratory Workshop, Orenas Slott, Gumslow, Sweden, 6-8. 05. 2013.

86. Pavelić K.: Metastasis: a parallel disease. T2C Cancer Workshop: From Prevention to Novel Treatment approaches. Izola, Slovenia, 6.09. 2013.

87. Pavelić K: Cancer stem cells in invasion and metastasis. Matične celice in tkivni inženiring v sodobni kirurgiji. Maribor, Slovenia, 25.10. 2013.

88. Pavelić K: Biological action of clinoptilolite. Wie ein Naturmineral vor Nahrungsmittel- und Umwelt-Giften schützt. Pharmaceutical Meeting, Vienna, Austria, 12.03.2014.

89. Pavelić K: Medical application of clinoptilolite. Applicazioni della zeolite in gastroenterologia e oncologia. Medical Meeting Gli Dei, Pozzuoli, Italy, 29.04. – 1.05.2014.

90. Pavelić K: Medical application of clinoptilolite in oncology: cellular and molecular mechanisms. Hospital Cardarelli, Oncology Department, Napoli, Napoli, Italy, 30.04.2014.

91. Pavelić K: Toxicology of modified clinoptilolite and possible effect on polyneuropatic pain developed after chemotherapy of colon tumor. Novara, Italy, 17.07. 2014.

92. Pavelić K.: Is there a connection between personalized and integrative medicine. Medicine and Law, Maribor, Slovenia, 20.-21.03. 2015.

93. Pavelić K: Natural zeolite clinoptilolite: Fundamentals/R&D/ latest studies. Symposium on medicinal application of zeolites. Portshach, Worther See, Austria. 18. -19.04. 2015.

94. Pavelić K: Do we understand personalized medicine paradigm? MicroBiota Incognita.. Krk, Croatia, 26-28.09. 2016.

95. Pavelić K: Natural zeolite clinoptilolite: Fundamentals/R&D/ latest studies. III International Congress of Quantistic Psychomedicine. Milano, Italija. 19.-20.11. 2016.

96. Pavelić K.: Relationship between patient and doctor and personalized medicine. Medicine and Law, Maribor, Slovenia, 18.-19.03. 2016.

97. Pavelić K: Personalized medicine for European citizens. Key note lecture. Symposium *Personalized medicine and molecular diagnostics*. Human Technology Styria GmbH, Graz, Austria, 15.10. 2017.

98. Pavelić K: Problems in contemporary Western medicine and need for new medicine. Medicine, law and society: Contemporary challenges and dilemmas, Maribor, Slovenia, 23.-24.03. 2018.

Uvodna predavanja na domaćim skupovima i skupovima s međunarodnim učešćem

1. Pavelić K.: Inzulinu slični faktori rasta u bolesnica s tumorom grla i tijela maternice. Simpozij *Novija dostignuća u ginekologiji i porodništvu*, Klinički bolnički centar, 7. do 9. 5. 1981., Zagreb

2. Pavelić K.: Hormonska kontrola raka i njegovih metastaza. *Osmi somborski medicinski dani*. 5. 4. 1983., Sombor, Yugoslavia

3. Pavelić K.: Nove spoznaje o bolesti raka. Simpozij *Znanost nema domovine ali je znanstvenik ima*, povodom 200 obljetnice smrti R.J. Boškovića, 11. - 12. 2. 1987., Zagreb
4. Pavelić K.: Ektopična produkcija hormona. Simpozij *Hormoni i rak*, Medicinski fakultet u Zagrebu, 2. - 3. 4. 1987., Zagreb
5. Pavelić K.: Onkogeni i faktori rasta u tumorskoj bolesti. *Onkogeni i faktori rasta tumora*, Savez društava Vojvodine za borbu protiv raka, 4. 6. 1988. Novi Sad, Yugoslavia
6. Pavelić K., Pravdić V., Pisk K., Šlaus I.: Uključivanje naših stručnjaka iz inozemstva u naš naučnotehnološki program. Simpozij *Uloga nauke u razvoju SFRJ*. Vojvođanska akademija nauka i umetnosti, 12.1. 1989., Novi Sad, Yugoslavia
7. Pavelić K.: Uloga činitelja rasta u razvoju tumora, Simpozij *Onkogeni i faktori rasta*, JAZU, 24.04.1989., Zagreb
8. Pavelić K.: Uloga retrovirusa u nastanku tumora. *Simpozij kancerološke sekcije lekara Vojvodine*, 29.9.1989. Novi Sad, Yugoslavia
9. Pavelić K.: Budući pravci bioloških istraživanja (Hoće li Sveučilište u Zagrebu biti promatrač ili sudionik?). Simpozij *Sveučilište u razvoju znanosti od 1669. do danas*, u okviru obilježavanja 320 godina djelovanja Sveučilišta u Zagrebu, 20.- 21.10.1989., Zagreb
10. Pavelić K.: Metode rekombinantne DNA u onkologiji. Simpozij *Genetsko inženjerstvo u onkologiji*, 29.01.1991., Zagreb
11. Pavelić K.: Onkogeni i faktori rasta. *VIII kongres kancerologa Jugoslavije* 9.-11.05.1991., Zagreb
12. Pavelić K.: Comparison of p53 status between premalignant lesions and subsequent cancer from the same patients. *XVIII Sergei Saltykow Memorial Meeting and Meeting on the Croatian Society of Pathology and Forensic Medicine*. 4. 11. 1994., Zagreb
13. Pavelić K.: Tehnologija rekombinantne DNA: primjena i proizvodnja cjepiva. *Vakcinologija danas i sutra*. 1.12.1994., Zagreb
14. Pavelić K.: Molecular pathology of endocrine tumors of pancreas. Uvodno predavanje. *The Sixth Ljudevit Jurak International Symposium of Comparative Pathology*. 09-10.06.1995. Zagreb
15. Pavelić K.: Molekularno-genetički mehanizmi onkogeneze. *Prvi hrvatski kongres hematologa i transfuziologa*. 7.-9.11. 1995., Zagreb

16. Pavelić K.: Molekularna medicina i njena uloga u ginekologiji i porodništvu. *Dani Klinike "Sveti Duh"*. 8-9.12.1995., Zagreb
17. Pavelić K.: Novija dostignuća u području stanične biologije. Simpozij *Što je globalno a što novo u području ljudske reprodukcije*, Hrvatska udruga Rimskog kluba, 03.02.1996., Zagreb.
18. Pavelić K.: Razvoj raka u starijoj dobi. *Gerontološka tribina Zavoda za javno zdravstvo grada Zagreba*. 21.5.1996., Zagreb
19. Pavelić K.: Obiteljski i genetski čimbenici rizika raka dojke. Znanstveni sastanak *Žene s visokim rizikom za rak dojke i mogućnosti prevencije*, Hrvatska akademija znanosti i umjetnosti, 9.10.1996., Zagreb
20. Pavelić K.: Molecular genetics of neuroendocrine tumours - paradigm or accident? *Svečani sastanak hrvatskih biokemičara*. 18.- 19.10.1996., Zagreb
21. Pavelić K.: Genetička osnova raka jajnika. Znanstveni simpozij *Prevenција i dijagnostika tumora ženskog spolnog sustava*, 6. - 7. 11.1996., Zagreb
22. Pavelić K.: Molekularno-genetička osnova tumora pluća. *XXXIII savjetovanje hrvatskih pulmologa*, 8. i 9.11.1996., Zagreb
23. Pavelić K.: Kancerogeneza - genetički pogled: ima li mjesta optimizmu. *Zdravlje i bolest u republici Hrvatskoj u prvim desetljećima 21. stoljeća*. Hrvatska akademija medicinskih znanosti. 29. - 30. 11.1996., Zagreb
24. Pavelić K.: Etički izazovi molekularne medicine. *Dani Frane Petriša. Izazovi bioetike, Platon-platonizam*. 30. 8. - 4. 9. 1998. Cres
25. Pavelić K.: Insulin-like growth factor family in malignant tumors. *Godišnji sastanak hrvatskih biokemičara*. Bizovačke Toplice 17.-20-9. 1998.
26. Pavelić K.: Tumor-suppressor gene nm23-H1: a possible new tumor marker. *Medical Summer School Dubrovnik. Molecular Medicine - Signal Transduction*. In close connection with 1. International Conference on Signal Transduction, Cavtat-Dubrovnik 9.-15.10. 1998.
27. Pavelić K.: Genetika raka dojke. *Osmi znanstveni sastanak bolesti dojke*. HAZU, Zagreb, 15.10.1998.
28. Pavelić K.: Putative tumor-suppressor gene nm23-H1 - a potential new genetical marker. *The second Croatian Congress in Human Genetics*, with international participation. Zagreb, 21-24.10. 1998.
29. Pavelić K.: Bioetički izvori u genetici i molekularnoj medicini. *Bioetika u teoriji i praksi*. Zagreb, 3.12.1998.
30. Pavelić K.: Molekularno-genetički aspekti nastanka zloćudnog tumora. *Pedijatrija danas 1998. Dijete kao onkološki bolesnik*. Zagreb, 11.12. 1998.

31. Pavelić K.: Multiple genetical aberations in malignant insulinomas. *Drugi hrvatski endokrinološki kongres*. Šibenik, 03.-06.06.1999.
32. Pavelić K.: Genetski čimbenici I infektivni agensi u etiologiji zloćudnih tumora. Maligni tumori i štetnosti u okolišu u nas. Zagreb, 15.11.1999.
33. Pavelić K.: Ima li znanost rješenje za rak dojke. Deseti znanstveni sastanak bolesti dojke. Zagreb, 12.10.2000.
34. Pavelić K.: Molecular mechanisms of virus-induced human cancers. 2.nd Croatian Congress of Microbiology with International Participation. Brijuni, 3.-6.10. 2000.
35. Pavelić K.: Novi aspekti genetike raka. III hrvatski kongres školske I sveučilišne medicine. Zagreb 5.-7.04. 2001.
36. Pavelić K.: Medicine 2010. Images of Croatia from 2010. Second International Workshop of Foundation 2020. Opatija 31.05.-3.06. 2001.
37. Pavelić K.: Novi tehnološki iskoraci biomedicine. 8. međunarodni znanstveni skup Društvo i tehnologija 2001. Opatija, 28.-30.06. 2001.
38. Pavelić K.: Molekularna medicina u svijetu i u nas. Novi proboji u hrvatskoj medicini. Akademija medicinskih znanosti Hrvatske. Zagreb, 10.03.2001.
39. Pavelić K.: Medicine in the new millennium – should we redefine ethical principles. The Days of Frane Petrić – Bioethics and Science in the New Epoch. Mali Lošinj, 27.-29.09.2001.
40. Pavelić K.: Novije spoznaje o tumorima. Poduke o tumorima i ovisnostima. Zagrebačka liga protiv raka, Zagreb 5.-6-10.2001.
41. Pavelić K.: Uloga gena FHIT u raku pluća. Simpozij “Rak pluća – novosti”. Hrvatski liječnički zbor, Zagreb, 6.10. 2001.
42. Pavelić K.: FHIT gene in head and neck cancer. International Symposium Tumors of the Head and Neck. Laryngeal and Hypopharyngeal Cancer. Zagreb, 16-17-11.2001.
43. Pavelić K.: Molecular Genetics of cancer. Oncology Update, Medical winter school. DAAD Stability Pact. Zagreb, 30.11.-1.12. 2001.
44. Pavelić K.: Skin Cancer in Postgenomic Era. 2nd Congress of Croatian Dermatovenerologists. Opatija 16.-19. 05. 2002.
45. Pavelić K.: Recent advances in molecular genetics of breast cancer. Ljudevit Jurak International Symposium on Comparative Pathology. Zagreb 7.06-8-06.2002.

46. Pavelić K.: New advances in molecular genetics of brain tumors. 3. Kongres hrvatskog neurokirurškog društva. Zagreb, 6.6. – 8.6. 2002.
47. Pavelić K.:Fragile chromosomes in cancer: causes and consequences. 1st Croatian Congress on Molecular Life Sciences. Opatija, 9.6.-13.6. 2002.
48. Pavelić K.: Molecular biology of thyroid gland cancer. International course on thyroid surgery. Zagreb, 6.9.- 8.9.2002.
49. Pavelić K.: Latest achievements in the molecular oncology. 5th International Conference on health Insurance in Transition: Biotechnology and Public Health – Expectations, Gains and Costs. Zagreb, 26.-28.09.2002.
50. Pavelić K.: Temeljni aspekti istraživanja onkogenog HER2/neu. 12. Znanstveni sastanak bolesti dojke. Hrvatska akademija znanosti i umjetnosti. Zagreb, 3.10.2002.
51. Pavelić K.: Primjena nanoznanosti u medicini. Nanoznanosti i tehnologije. Hrvatska akademija znanosti i umjetnosti, Zagreb, 17.12.2002.
52. Pavelić K.: Molekularne osnove raka jajnika. Dijagnostika, liječenje i prognoza zloćudnih tumora jajnika. Tečaj stalnog medicinskog usavršavanja I. Kategorije. Medicinski fakultet u Zagrebu. Zagreb 4.-5.04.2003.
53. Pavelić K.: Primjena metoda funkcionalne genomike u endokrinologiji. Treći hrvatski endokrinološki kongres. Plitvička jezera, 1.-4. 6.2003.
54. Pavelić K.: Recent advances in molecular genetics of breast cancer. Second International Congress of Croatian Senologic Society. Cavtat, 3.-8. 6. 2003.
55. Pavelić K.: Hereditary breast and ovarian cancer. Biological and clinical implications. Second International Congress of Croatian Senologic Society. Cavtat, 3.-8. 6. 2003.
56. Pavelić K.: Roles of functional genomics in oncology. 4th Croatian Congress of Medical Biochemists. Zadar, 24.-28.09.2003.
57. Pavelić K.: Metode funkcionalne genomike u patologiji. Uvodno predavanje. 21. Memorijalni sastanak prof. Sergeja Saltykova. Zagreb, 10.10. 2003.
58. Pavelić K.: Što dermatovenerologija može očekivati od funkcionalne genomike? Stručni sastanak Hrvatskog dermatovenerološkog društva. Zbor liječnika Hrvatske, Zagreb, 23.10.2003.
59. Pavelić K.: Gene therapy aimed to protect haematopoietic cells from cytotoxic drugs. 3. Hrvatski kongres hematologa i transfuziologa s međunarodnim sudjelovanjem. Opatija 23.-26.10.2003.

60. Pavelić K.: Molekulske karakteristike raka dojke – vrijednost u kliničkoj praksi. Patohistološki čimbenici rizika u novotvorinama (endokrine neoplazme, dojka, štitna i doštitne žlijezde, urogenitalni sustav). Poslijediplomski tečaj stalnog medicinskog usavršavanja I. Kategorije. Medicinski fakultet Sveučilišta u Zagrebu, Zagreb 6.-7.11.2003.
61. Pavelić K.: Novi iskoraci molekularne genetike u prenatalnoj dijagnostici i terapiji: uloga funkcionalne genomike. XX Perinatalni dani. Zagreb 11.-14.11. 2003.
62. Pavelić K.: Molekularna onkologija: od gena do pacijenta. 2. Kongres Hrvatskog društva za radioterapiju i onkologiju HLZ. Prvi kongres Hrvatskog društva za internističku onkologiju HLZ. Prvi tečaj farmaceutskih onkologa. Prvi tečaj onkološko-hematološke sekcije medicinskih sestara. Opatija 27.-30. 11. 2003.
63. Pavelić K.: Molecular biology of metastases. International Course: Multidisciplinary Approach on Neck Metastases and Thyroid Gland. Zagreb, 4.-6.12.2003.
64. Pavelić K.: Molecular genetic events in laryngeal carcinoma. 2nd International Symposium "Tumors of the head and neck. Functional and reconstructive laryngeal surgery. Zagreb, 14.-15.05. 2004.
65. Pavelić K.: Molecular targeted anticancer therapy directed to insulin-like growth factors. Fourth Croatian Congress of Pharmacology with International Participation. Split, 15.-18.09. 2004.
66. Pavelić K.: Funkcionalna genomika i audiologija. 50. Godišnjica Audiološkog centra Medicinskog fakulteta Sveučilišta u Zagrebu. Zagreb, 1. 10. 2004.
67. Pavelić K.: Molecular profiling of tumors: from basic research to better diagnosis and treatment. Congress of the Croatian Society of Biochemistry and Molecular Biology with International Participation. Bjelolasica, 3.09.-2.10., 2004.
68. Pavelić K.: Formiranje nacionalne mreže institucija za funkcionalnu (integrativnu) genomiku. 1. Kongres znanstvenika iz domovine i inozemstva. Zagreb i Vukovar, 15.-19. 11., 2004.
69. Pavelić K.: Molecular genetic alterations in thyroid gland lesions. 3rd International course on Multidisciplinary Approach on Thyroid Gland and Oral Cavity Carcinoma. Zagreb, 1.- 3.09.2005.
70. Pavelić K.: Toward future medicine. Plenary lecture. 14th days of Frane Petrić. Theory of relativity and philosophy. In celebration of the 100th anniversary of Einstein's special theory of relativity. Cres, 26-28 09. 2005.

71. Pavelić K. : Molecular mechanisms of breast carcinoma metastases. 17th Ljudevit Jurak International Symposium on Comparative Pathology. Zagreb 2-3.06.2006
72. Pavelić K. : Uloga integrativne genomike u otkrivanju i liječenju raka dojke . Dijagnostika i liječenje raka dojke i vrata maternice. Znanstveni simpozij s međunarodnim sudjelovanjem. Zagreb, 6. i 7. 10. 2006
73. Pavelić K.: Funkcionalna genomika i proteomika u onkologiji . Drugi kongres hrvatskog društva za internističku onkologiju s međunarodnim sudjelovanjem. Osijek, 29.03- 1.04.2007.
74. Global analysis of proteomas in the diagnostics and treatment of endocrine system diseases and diabetes mellitus. 4. hrvatski endokrinološki kongres s međunarodnim sudjelovanjem. Rovinj, Crveni otok, 2-6.05.2007
75. Pavelić K. :OMICS-pristup u onkologiji . Prvi opipljivi rezultati. IV kongres humane genetike. Malinska, 18-20.10.2007.
76. Pavelić K : Molecular genetics of thyroid cancer. Prvi kongres Hrvatskog društva za štitnjaču s međunarodnim sudjelovanjem. Split, 26-28.10.2007.
77. Pavelić K.:Nanotehnologija – tehnologija budućnosti i njena primjena u medicini . I simpozij hrvatskih specijalizanata. Biograd, 26-28.10.2007.
78. Pavelić K. :Overview of life sciences in Croatia. Workshoop Croatian-Japanese scientifics collaboration. The National Foundation for Science, Higher Education and Tehnological Development of Croatia. Zagreb, 11.02.2008
79. Pavelić K. :Transkriptomika I proteomika : novi concept u otkrivanju bolesti. Sekundarna prevencija u pedijatriji. Slavonski Brod, 29. 02-1.03.2008
80. Pavelić K.: Strategija razvoja biomedicine u Europi. Plenarno predavanje . Inovacijsko društvo i tehnologijski razvoj. Hrvatsko društvo za sustave i Hrvatska gospodarska komora, Zagreb, 24.04.2008.
81. Pavelić K.:IGF-family in lung cancer. Workshop Lung cancer in Croatia. Zagreb, 19-20. 06. 2008.
82. Pavelić K.: Towards presymptomatic diagnosis of thyroid lesions: The role of high-throughput methods. 5th International conference multidisciplinary approach on thyroid and parathyroid glands. Zagreb, 11.- 13.09. 2008.
83. Pavelić K.: Primjena novih tehnologija u presimptomatskoj dijagnostici. 2. Simpozij hrvatskih specijalizanata. Hrvatska medicinska budućnost . Biograd 12. -12. 09. 2008.
84. Pavelić K.: The role of insulin growth factor family in tumor development and therapy: from bench-side to bedside. 2nd annual meeting of Croatian

society for medical oncology of the Croatian medical association. Rovinj, 9.-12.10. 2008.

85. Pavelić K.: Okolišni čimbenici kao uzročnici raka. 5. Međunarodni sajam novih tehnologija, Rijeka 8-10. 04.2009.

86. Pavelić K.: Molecular events in metastatic progression: unveiled or “still under construction”? 3. Godišnji sastanak društva za internističku onkologiju HLZ-a. Opatija 6-8. 11. 2009.

87. Pavelić K.: Medicina pred novim izazovima: na pragu pre-simptomatske dijagnostike. Svečana akademija povodom 50. Obljetnice Zavoda za endokrinologiju, dijabetes I bolesti metabolizma, Klinike za unutarnje bolesti, Kliničke bolnice “Sestre milosrdnice”. Zagreb, 4. 12. 2009.

88. Pavelić K.: Nacionalno vijeće za znanost: rezultati, problem i izazovi. Društvo sveučilišnih nastavnika I drugih znanstvenika. Zagreb, 10. 12. 2009.

89. Pavelić K. :Multifaktorijske bolesti, poligensko nasljeđivanje. Sekundarna prevencija u pedijatriji. Uvodno predavanje, Slavonski Brod, 28. 02. 2010.

90. Pavelić K: Suvremene metode molekularne biologije i nanotehnologije u liječenju tumora – gensko i ciljano liječenje. Tumori lubanjske osnove – sadašnjost i budućnost. Hrvatska akademija znanosti i umjetnosti, Zagreb 23. 11. 2010.

91. Pavelić K: Matične stanice i regenerativna medicina te mogućnosti primjene. 4. Skup hrvatskih specijalizanata. Biograd, 05.2010.

92. Pavelić K: Forward look om personalized medicine for the European citizens: Socioeconomical and medical aspects of new megaproject. Projects and project management. Plenary lecture. Zagreb 26-26. 02. 2011.

93. Pavelić K :Novi koncept personalizirane medicine. Sekundarna prevencija u pedijatriji. Uvodno predavanje, Slavonski Brod, 12. 03. 2011.

94. Pavelić K: Novi pogled na metastaziranje tumora. 5. Skup hrvatskih specijalizanata. Biograd, 20.-21. 05.2011.

95. Pavelić K: New approach in macular degeneration research: high-throughput technology. 4th International congress of Croatian Association for Protection of non Ionizing Radiation. Influence of non ionizing radiation on eyes and skin. Rab 26.-28.05.2011.

96. Pavelić K: Social and humanistic consequences of implementation of new high-throughput technologies in life sciences. Society and Technology 2011. Lovran 28.06.-30.06.2011.

97. Pavelić K.: Personalized oncology. 4. Simpozij i godišnji sastanak društva za internističku onkologiju HLZ-a. Poreč, 13.10 – 16-10. 2011.

98. Pavelić K: High-throughput personalized medicine to bring forward head and neck oncology. International Congress on Head and Neck Tumors. 1st Congress of Croatian Head and Neck Society. Zagreb 20.10 – 22. 10. 2011.
99. Pavelić K: How to predict cancer. 2nd Croatian symposium on predictive medicine with international participation. The role of laboratory medicine in predictive medicine: oncological diseases. Zagreb 4. 11. 2011.
100. Pavelić K: Novo poimanje koncepta metastaziranja: paralelna bolest, komplikacija primarnog tumora ili oboje. Sekundarna prevencija u pedijatriji. Uvodno predavanje, Slavonski Brod, 2.3 - 4. 3. 2012.
101. Pavelić K: Novi koncept personalizirane medicine. 6. Skup hrvatskih specijalizanata. Biograd, 2.-3. 06.2012.
102. Pavelić K: Može li nanotehnologija pomoći u onkologiji? 5. Simpozij i godišnji sastanak Hrvatskog društva za internističku onkologiju HLZa s međunarodnim učešćem. Zagreb, 23.11.2012.
103. Pavelić K: Emerging bio-technologies as platforms for innovations in medicine and well-being. BioMech – non pharmaceutical innovations in medicine and wellbeing. Network Enterprise Europe, Science and Technology Park, Rijeka, Croatia 7.10.2012.
104. Pavelić K: Nanotehnologija u isporuci lijekova protiv metastatskog tumora. Sekundarna prevencija u pedijatriji. Uvodno predavanje, Slavonski Brod, 8.3 - 4. 3. 2013.
105. Pavelić K: Nanotehnologija u isporuci lijekova protiv metastatskog tumora. 7. Skup hrvatskih mladih liječnika I specijalizanata. Biograd, 25.-26.10.2013.
106. Pavelić K: Nanotehnologija u isporuci lijekova protiv metastatskog tumora. 6. Simpozij i godišnji sastanak Hrvatskog društva za internističku onkologiju HLZa s međunarodnim učešćem. Zagreb, 7-10.11.2013.
107. Pavelić K: Noviji pogled na personaliziranu medicine u pedijatriji. Pozvano predavanje, Sekundarna prevencija u pedijatriji, Slavonski Brod, 21.3 - 23. 3. 2014.
108. Pavelić K, Kraljević Pavelić S, Vojniković B: A model for assesment of UV-induced damage of the retina for improved understanding of the age-related macular degeneration. Pozvano predavanje, Influence of non-ionizing radiation on eyes&skin. Macular degeneration and skin cancer. 6. International Congress of Croatian Association for Protection of non Ionizing Radiation. Opatija 26-27 04. 2014.
109. Pavelić K: Razumijemo li upravljanje akademskim centrima ili da li je etično podržavati loše lidere. Pozvano plenarno predavanje. 16. Riječki dani (bio)etike Etika u znanstvenom istraživanju. Rijeka 9.05. 2014.

110. Pavelić K: Nove paradigme o metastazama. 7. Simpozij i godišnji sastanak Hrvatskog društva za internističku onkologiju HLZa s međunarodnim učešćem. Zagreb, 14. i .15. 2014.

111. K. Pavelić: Budućnost biotehnologije u kontekstu svijeta kakvog želimo. Simpozij povodom knjige E. Baccarinija "In a better world? Public reason and biotechnology. Rijeka, 6. 02. 2015.

112. Pavelić K, Suvremene biotehnologije u personaliziranoj medicini: zaostajemo li za svijetom? XI simpozij "Razvoj kliničke medicine i sveučilišta u ozračju novih tehnologija" Rijeka 19.11.2015.

113. K. Pavelić Personalizirana i integrativna onkologija, uvodno predavanje. 3. Kongres Hrvatskog društva za internističku onkologiju HLZ-a Zagreb, 20-21. 11. 2015.

114. K. Pavelić: Zapreke „novoj medicini“. Znanstveni simpozij: Izazovi reforme zdravstvenog sustava. Socijalna sigurnost i tržišno natjecanje. Međusveučilišni centar izvrsnosti Opatija, Opatija 13.06. 2016.

115. Pavelić K: Targeting tumor metastasis: current knowledge and emerging therapeutic concepts. Plenarno predavanje na otvorenju skupa. 8th Symposium and annual meeting of Croatian society for medical oncology of Croatian Medical Association with international participation. Trakošćan 21.-23. 11. 2016.

116. Pavelić K: Towards new medicine: scientific and religious challenges. Science and Religion – 2000 years of cooperation and controversies. 24th International symposium. Zagreb 27-29 04. 2017.

117. Pavelić K: The reasons for personalized medicine. Public-private partnership and personalized medicine. Rijeka, pozvano predavanje, 2. 06. 2017.

118. Pavelić K: Metstaze tumora: mogući pristupi liječenju. 8. Skup mladih liječnika. Biograd, pozvano predavanje, 3.- 4. 06.2017.

Vođenje diplomskih, magistarskih i doktorskih radova

Diplomski radovi

1. **Suzana Marušić:** Promjene razine nekih anaboličkih hormona u štakora imuniziranih eritrocitima ovce. Medicinski fakultet Sveučilišta u Zagrebu, 1983.

2. **Neda Despot:** Neka svojstva kolagenaze izdvojene iz tumora. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, 1989.

3. **Lidija Herceg:** Zastupljenost činitelja rasta u karcinomima bronha čovjeka. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, 1989.
4. **Vedrana Montana:** *c-erbB-2* onkoprotein u karcinomima završnog crijeva i dojke. Farmaceutsko-biokemijski fakultet Sveučilišta u Zagrebu, 1992.
5. **Željka Banjac:** Uloga epidermalnog faktora rasta i njegova receptora u rastu karcinoma bronha. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, 1992.
6. **Jasna Lovrenčević:** Učinak derivata enkefalina na proliferaciju stanica karcinoma gušterače i ispoljavanje onkoproteina *c-erbB-2*. Farmaceutsko-biokemijski fakultet Sveučilišta u Zagrebu, 1992.
7. **Martina Nikšić:** Lančana reakcija polimeraze: odabir metode izolacije DNA iz parafinskih rezova tumora mozga. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, 1993.
8. **Vanja Karamatić:** Učinak derivata enkefalina na onkosupresorski protein p53 u stanicama karcinoma *in vitro*. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, 1993.
9. **Maja Herak:** Umnožavanje gena *bcl-2* i njegova primjena u testu hibridizacije *in situ*. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, 1993.
10. **Danijela Štorga:** Onkoprotein *c-fms* u primarnim tumorima i metastazama u koštanoj srži. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, 1993.
11. **Maria Antonia Mustapić:** Usporedba metoda za imunohistokemijsko dokazivanje onkoproteina jezgre u tkivima uklopljenim u parafin. Farmaceutsko-biokemijski fakultet Sveučilišta u Zagrebu, 1993.
12. **Vanja Bulat:** Umnažanje i pročišćavanje cDNA sonde za gen TGF $\alpha 1$ i njezina primjena u hibridizaciji *in situ*. Farmaceutsko-biokemijski fakultet Sveučilišta u Zagrebu, 1994.
13. **Mirjana Mariana Kardum:** Izolacija DNA iz tkiva mozga fiksiranog u različitim fiksativima. Farmaceutsko-biokemijski fakultet Sveučilišta u Zagrebu, 1994.
14. **Andrea Zanchi:** Učinak derivata enkefalina na proliferaciju stanica karcinoma gušterače i ispoljavanje onkoproteina *c-myc*. Farmaceutsko-biokemijski fakultet Sveučilišta u Zagrebu, 1994.
15. **Ivana Rako:** Različite metode izolacije genomske DNA iz eukariotskih stanica s primjenom u hibridizaciji. Farmaceutsko-biokemijski fakultet Sveučilišta u Zagrebu, 1995.

16. **Božidar Jerković:** Internet i njegovi servisi kao izvor informacija u molekularnoj biologiji. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, 1995.
17. **Gordana Bubanović:** Hibridizacijska analiza DNA *Streptomyces rimosus* i *Tenebrio molitor* "heat shock proteinom 70". Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, 1996.
18. **Karmen Tičić:** Umnažanje i pročišćavanje sonde za gen *bcl-2*. Farmaceutsko-biokemijski fakultet Sveučilišta u Zagrebu, Zagreb, 1996.
19. **Jasna Štanfel:** Automatizirana sinteza oligonukleotida i njihova primjena u lančanoj reakciji polimeraze. Farmaceutsko-biokemijski fakultet Sveučilišta u Zagrebu, Zagreb, 1996.
20. **Mario Štefanović:** Gubitak heterozigotnosti ponavljajuće regije gena *nm23-H1* u adenomima prostate. Farmaceutsko-biokemijski fakultet Sveučilišta u Zagrebu, Zagreb, 1996.
21. **Branka Milošević:** Ekspresija proteina *nm23-H1* u adenokarcinomima debelog crijeva. Farmaceutsko-biokemijski fakultet Sveučilišta u Zagrebu, Zagreb, 1996.
22. **Jelena Valenko:** Farmaceutsko-biokemijski fakultet Sveučilišta u Zagrebu, Zagreb, 1996.
23. **Lada Velagić:** Farmaceutsko-biokemijski fakultet Sveučilišta u Zagrebu, Zagreb, 1996.
24. **Koraljka Husnjak:** Primjena lančane reakcije polimerazom u pretraživanju i određivanju tipa papilomavirusa čovjeka. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, Zagreb, 1997.
25. **Branka Gršković:** Aktivacija onkogena i gena skupine inzulinskih čimbenika rasta (IGF) u agresivnom hemangiopericitomu čovjeka. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, Zagreb, 1997.
26. **Ivana Furčić:** Prisutnost papilomavirusa čovjeka u karcinomu bubrega. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, Zagreb, 1997.
27. **Neva Grgičević-Mihalić:** Molekularne dijagnostika sindroma fragilnog X neradioaktivnom hibridizacijom po Southernu. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, Zagreb, 1997.
28. **Jelena Vlašić:** Razvoj metode lančane reakcije polimeraze (PCR) za molekularno otkrivanje Huntingtonove bolesti. Farmaceutsko-biokemijski fakultet Sveučilišta u Zagrebu, Zagreb, 1998.

29. **Inga Urlić:** Razvoj metode lančane reakcije polimeraze (PCR) za brzo otkrivanje sindroma fragilnog X u mentalno retardiranih osoba. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, Zagreb, 1998.

30. **Tanja Saulig:** Molekularno-genetičko prepoznavanje Duchenne-Beckerove mišićne distrofije. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, Zagreb, 1998.

31. **Babić Ana:** Identifikacija papilomavirusa u dugogodišnje pohranjenim kondilomima metodom lančane reakcije polimerazom. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, Zagreb, 1999.

32. **Lana Vuk Sappe:** Molekularno-genetičke promjene u zloćudnim tumorima glave i vrata. Farmaceutsko-biokemijski fakultet Sveučilišta u Zagrebu, Zagreb, 2004.

Magistarski radovi

1. **Mirjana Maletić:** Aktivnost enzima alkalne fosfataze u slezeni i jetrima dijabetičnih miševa s presađenom leukemijom. Postdiplomski studij prirodnih znanosti Sveučilišta u Zagrebu, 1982.

2. **Ljiljana Petrušić:** *In vivo* i *in vitro* učinak progesterona na rast nekih malignih tumora ljudi i miševa. Postdiplomski studij prirodnih znanosti Sveučilišta u Zagrebu, 1983.

3. **Emil Štajduhar:** Rast melanoma B-16 u miševa s dijabetes melitusom. Postdiplomski studij prirodnih znanosti Sveučilišta u Zagrebu, 1983.

4. **Željko Županović:** Mehanizam učinaka sericistatina A, inhibitora proteinaza, izdvojenog iz leukocita, na rast mijeloične leukemije i melanoma B-16 u miševa. Postdiplomski studij prirodnih znanosti Sveučilišta u Zagrebu, 1983.

5. **Suzana Marušić:** Razvoj palete monoklonskih antitijela koja se vežu za antigene površine mononuklearnih leukocita. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, 1985.

6. **Catherine L. Sullivan:** Evaluation of cell surface modulators as inhibitors of tumor cell attachment. University of Buffalo, New York, 1985.

7. **Božo Krušlin:** Čimbenici rasta u malignim tumorima ljudi. Medicinski fakultet, Sveučilišta u Zagrebu, 1987.

8. **Hidajet Pačarizi:** Čimbenici rasta u melanomu čovjeka. Medicinski fakultet Sveučilišta u Zagrebu, 1987.

9. **Radan Spaventi:** Insulin i insulinu slični čimbenici rasta u embrionalnom razvoju miša. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, 1988.

10. **Simeon Grazio:** Imunohistokemijska detekcija onkoproteina c-MYC u tkivima tumora dojke. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, 1991.
11. **Sanja Kapitanović:** Imunohistokemijska lokalizacija onkoproteina u tumorima završnog dijela crijeva. Medicinski fakultet Sveučilišta u Zagrebu, 1992.
12. **Nives Pećina-Šlaus:** Automatizirana sinteza oligonukleotida i njihovo pročišćavanje. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, 1992.
13. **Neda Slade:** Kolagenaza tipa IV u invaziji i metastaziranju tumora. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, 1993.
14. **Tomo Šarić:** Karakterizacija tvari imunološki križno reaktivne s inzulinom iz stanica melanoma B16BL6. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, 1993.
15. **Vesna Matijević:** Razgradnja inzulina u stanicama mijeloične leukemije miša. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, Područje Biologija, 1994.
16. **Marijeta Horvatić:** Molekularni i celularni mehanizmi djelovanja derivata L-askorbinske kiseline na stanice tumora ljudi in vitro. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, Područje Biologija, 1994.
17. **Reno Hrašćan:** Molekularno-genetska osnova zloćudnog inzulinoma. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, Područje Biologija, 1995.
18. **Lada Pečur:** Aktivnost gena za transformirajući faktor rasta alfa u karcinomima bronha. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, Područje Biologija, 1995.
19. **Irena Kocijan:** Genotipizacija virusa papiloma u nespecifičnim upalama i lezijama genitalnih organa. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, Područje Biologija, 1996.
20. **Maša Katić:** Rani genetički događaji u razvitku zloćudnih inzulinoma: model "in vitro". Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, Područje Biologija, 1997.
21. **Karapandža Nikola:** Kliničke i genetičke značajke inzulinoma. Medicinski fakultet Sveučilišta u Zagrebu, Zagreb, Obranjen 24.08.1999., 69 str.
22. **Koraljka Husnjak:** Primjena lančane reakcije polimeraze u višestrukoj genetskoj analizi na razini jedne tumorske stanice. Prirodoslovno-matematički fakultet, Sveučilište u Zagrebu, Područje Biologija, Zagreb, Obranjen 28.05.2001.

23. **Nika Gržeta:** Analiza proteoma jetre i crijeva štakora s osteoporozom. Diplomski sveučilišni studij „Biotehnologija u medicini“, Odjel za biotehnologiju Sveučilišta u Rijeci, Rijeka 2014.

24. **Tihana Poropat:** Analiza proteoma skeletnog mišića i srca osteoporotičnih štakora. Diplomski sveučilišni studij „Biotehnologija u medicini“, Odjel za biotehnologiju Sveučilišta u Rijeci, Rijeka 2014.

25. **Leon Juretić:** Effective chondrocyte cell yield. Masters University Course „Biotechnology in Medicine“, Department of Biotechnology, University of Rijeka, Rijeka 2014.

26. Dolores Kuzelj: Analiza interakcija proteinskih biomarkera matičnih stanica raka. Diplomski sveučilišni studij „Biotehnologija u medicini“, Odjel za biotehnologiju Sveučilišta u Rijeci, Rijeka 2017.

Doktorske disertacije

1. **Veljko Božikov:** Protivtumorski učinak somatostatina. Medicinski fakultet Sveučilišta u Zagrebu, 1981.

2. **Stojan Radić:** Obeležja tumora u terminalnoj fazi rasta. Medicinski fakultet Univerziteta u Nišu, 1981.

3. **Damir Vrbanec:** Uloga tvari imunološki križno reaktivne s insulinom u rastu nekih zloćudnih tumora. Medicinski fakultet Sveučilišta u Zagrebu, 1982.

4. **Bosiljka Pekić:** Utjecaj imunoproliferativnih tumora na koncentracije materije slične inzulinu, glukoze i hormona rasta. Medicinski fakultet Sveučilišta u Zagrebu, 1982.

5. **Ljubomir Pavelić:** Izlučivanje tvari sličnih inzulinu iz stanica tumora. Medicinski fakultet Sveučilišta u Zagrebu, 1982.

6. **Vladimir Baltić:** Materije imunološki unakrno reaktivne s insulinom u obolelih od karcinoma bronha. Medicinski fakultet Sveučilišta u Zagrebu, 1985.

7. **Ivan Zgradić:** Ovisnost utjecaja estramustin fosfata na proliferaciju stanica karcinoma o postojanju receptora za estrogene u citosolu. Medicinski fakultet Sveučilišta u Zagrebu, 1987.

8. **Sonja Levanat:** Svojstva tvari imunološki unakrsno reaktivnih s insulinom (SICRI) izdvojenih iz tumora, Institut "Ruđer Bošković" Sveučilišta u Zagrebu, 1988.

9. **Suzana Marušić:** Ovisnost razvoja limfocita T o doticaju s molekulama glavnog sustava tkivne podudarnosti. Medicinski fakultet Sveučilišta u Zagrebu, 1988.
10. **Radan Spaventi:** Ispoljavanje i struktura gena za B-lanac faktora rasta iz trombocita miša. Medicinski fakultet Sveučilišta u Zagrebu, 1992.
11. **Tomo Šarić:** Pročišćavanje i svojstva enzima inzulinaze i njegovih endogenih inhibitora iz stanica tumora miša. Medicinski fakultet Sveučilišta u Zagrebu, 1996.
12. **Nives Pećina-Šlaus:** Molekularna karakterizacija tumor supresorskog gena APC u karcinomima bubrega. Medicinski fakultet Sveučilišta u Zagrebu, Zagreb 1998. Obranjen 05.02.1998., 118 str.
13. **Magdalena Grce:** Uloga višestrukih virusnih infekcija u nastanku i razvoju tumora vrata maternice. Prirodoslovno-matematički fakultet, Sveučilišta u Zagrebu, Zagreb 1998. Obranjen 09.06.1998., 99 str.
14. **Mihael Skerlev:** Genotipovi humanog papiloma virusa u klinički promijenjenoj koži i sluznici genitalne regije muškaraca. Medicinski fakultet Sveučilišta u Zagrebu, Zagreb 1998. Obranjen 10.06.1998., 89 str.
15. **Drago Bešlo:** Gubitak heterozigotnosti tumor supresorskog gena p53 u karcinomima bubrega. Prirodoslovno-matematički fakultet, Sveučilišta u Zagrebu, Zagreb 1999. Obranjen 28.06.1999., 82 str.
16. **Reno Hrašćan:** Višestruke genetičke promjene u neuroendokrinim tumorima. Prirodoslovno-matematički fakultet, Sveučilišta u Zagrebu, Zagreb 1999. Obranjen 11.10.1999., 92 str.
17. **Silva Hečimović:** Razvoj metode za brzo otkrivanje dinamičnih mutacija u sindromu fragilnog X. Prehrambeno-biotehnološki fakultet, Sveučilište u Zagrebu, Zagreb 2000, Obranjen 1.3.2000., 158 str.
18. **Maja Sirotković-Skerlev:** Ekspresija c-myc, c-erb B-2, nm 23 i mutiranog p53 gena u malignim i benoignim bolestima dojke. Medicinski fakultet Sveučilišta u Zagrebu, Zagreb 2001. Obranjen 12.12. 2001, 95 str.
19. **Toni Kolak:** Inzulinu sličan čimbenik rasta II u karcinomima želuca. Medicinski fakultet Sveučilišta u Zagrebu, Zagreb 2002. Obranjen 24. 6. 2002, 95 str.
20. **Dinka Pavičić-Baldani:** Papiloma virusi čovjeka i tumor supresorski geni u nastanku cervikalne intraepitelne neoplazije. Medicinski fakultet Sveučilišta u Zagrebu, Zagreb 2003. Obranjen 10. 6. 2003, 139 str.
21. **Mirela Sedić:** Biološki učinci novog amidino-supstituiranog-benzimidazo(1,2-a) kinolina na tumorske stanične linije debelog crijeva

čovjeka u uvjetima in vitro. Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu. Obranjen 2006 , 105 str.

22. **Sanja Šale:** In situ characterization of epithelial lineages in the mouse mammary glands. Department of Biotechnology, University of Rijeka, Obranjen 17. 02. 2015. 62 str

Utjecaj na razvoj područja/specijalnosti (u nas i u svijetu)

- Osnivač je molekularne medicine u Hrvatskoj.
- Utjecao na formuliranje mehanizma autokrine stimulacije rasta tumora (zajedno s profesorom Stanimirom Vuk-Pavlovićem)
- Prvi opisao mehanizam oštećenja transformiranih stanica DNA L-askorbinskom kiselinom
- Objavio metodu kultiviranja solidnih tumora na podlozi izvanstaničnog matriksa
- Objavio metodu imunohistokemijske lokalizacije nuklearnih onkoproteina u tkivima uklopljenim u parafin
- Objavio dokaze o učinkovitosti medicinske primjene ionskih izmjenjivača (zeolita)

Osnivanje katedri, instituta, referalnih centara i slično

- Osnivač je Zavoda za molekularnu medicinu Instituta "Ruđer Bošković"
- Osnivač je katedre (predmeta) Molekularna biologija na Farmaceutsko-biokemijskom fakultetu Sveučilišta u Zagrebu
- Suosnivač Hrvatske banke tumora i mreže Srednjoeuropskih banaka (s akademikom Šimom Spaventijem)
- Osnivač Centra za funkcionalnu (integrativnu) genomiku
- Suosnivač Odjela za biotehnologiju Sveučilišta u Rijeci (s akademikom Danielom Rukavinom)

Patenti

1. Patent No. P940577A (HR), P-414 USA, 1995: Use of 5-thia-1,4-diazobicyclo-(4,2,0)oktan 3,8-diokso compounds in antitumor therapy
2. Patent: P990035A (HR), 2001: Novel pyrimidine purine derivatives of L-ascorbic acid: Synthesis and biological evaluation

3. Patent: 00981104 (HR), 2000: The synthesis of novel heterocyclic substances from the series of benzo-thieno-quinolones and thio-thienil-quinolones with biological activity.

Realizacija vlastite zamisli/patenta u proizvodnji

- Originalnu zamisao o upotrebi ionskih izmjenjivača u medicini objavljena i razrađena u radovima broj 156, 160, 161 i 166 iskoristilo je nekoliko proizvođača, te se na tržištu mogu naći slijedeći preparati: Nutrimin, Zetox, Zeomin, i Formula-Z, austrijskih, njemačkih engleskih, američkih i japanskih proizvođača.
- Prvi objavljeni radovi u literaturi o antitumorskim učincima somatostatina (26 i 29) rezultirali su primjenom analoga u terapiji nekih neuroendokrinih tumora (s profesorom Stanimirom Vuk-Pavlovićem).

Međunarodne inicijative

- K. Pavelic: Inicijator te zajedno s ministrom znanosti obrazovanja i športa Draganom Primorcem i glavni realizator učlanjivanja Republike Hrvatske u European Molecular Biology Laboratory 29.06.2006.
- K. Pavelic: Inicijator instrumenta Europske znanstvene zaklade - Science Policy Briefing: **Human stem cell research and regenerative medicine**. European Medical Research Council, European Science Foundation, 52nd plenary meeting, London, United Kingdom, 22.-23. April, 2008.
- K. Pavelic: Inicijator instrumenta Europske znanstvene zaklade - Forward Look: **Personalized medicine for the European citizen – towards more precise medicine for the diagnosis, treatment and prevention of disease**. European Medical Research Council, European Science Foundation, 55th plenary meeting, Copenhagen, Denmark, 13.-14. October, 2009.

Krešimir Pavelić: List of publications in international peer reviewed journals and books

1. PAVELIĆ K., PAVELIĆ Z., HRŠAK I., Cytokinetic and morphological changes in lymphoid organs of mice with Ehrlich tumour. **Iugoslav. Physiol. Pharmacol. Acta**, 9: 407-415, 1973.
2. PAVELIĆ Z., BORANIĆ M., PAVELIĆ K., VAŠAREVIĆ M., Pathogenesis of ascites in a murine transplantable reticulosarcoma type A. **Z. Krebsforsch.**, 88: 91-95, 1976. [Q2](#)
3. PAVELIĆ Z., BORANIĆ M., BUNAREVIĆ A., PAVELIĆ K., DOMINIS M., VAŠAREVIĆ B., Studies on a transplantable reticulosarcoma type A of the mouse. **Period. biol.**, 79: 11-23, 1977. [Q3](#)
4. HRŠAK I., PAVELIĆ K., Effects of immunosuppression or immunostimulation on the growth rate of a lymphoid and of a myeloid leukemia in mice. **Cancer Immunol. Immunother.**, 3: 43-48, 1977. [Q1](#)
5. PAVELIĆ K., SLIJEPČEVIĆ M., Growth of a thymoma in diabetic mice treated with insulin. **Europ. J. Cancer**, 14: 675-679, 1978. [Q1](#)
6. PAVELIĆ Z., BORANIĆ M., PAVELIĆ K., Morphology of lymphoreticular tissues in mice with reticulosarcoma. **Exp. Path.**, 15: 288-295, 1978.
7. PAVELIĆ K., HRŠAK I., Effects of immunosuppression on the growth of six murine tumors. **Z. Krebsforsch.**, 92: 147-156, 1978. [Q2](#)
8. PAVELIĆ K., SLIJEPČEVIĆ M., PAVELIĆ J., Recovery of immune system in diabetic mice after treatment with insulin. **Horm. Metab. Res.**, 10: 381-386, 1978. [Q1](#)
9. PAVELIĆ K., Aplastic carcinoma in diabetic mice: Hyperglycemia-suppressed proliferation rate and insulin synthesis by tumor cells. **J. Nat. Cancer Inst.**, 62: 139-141, 1979. [Q1](#)
10. PAVELIĆ K., SLIJEPČEVIĆ M., PAVELIĆ J., IVIĆ J., AUDY-JURKOVIĆ S., PAVELIĆ Z.P., BORANIĆ M., Growth and treatment of Erlich tumor in mice with alloxan-induced diabetes. **Cancer Res.**, 39: 1807-1813, 1979. [Q1](#)
11. HRŠAK I., TOMAŠIĆ J., PAVELIĆ K., VALINGER Z., Stimulation of humoral immunity by peptidoglycan monomer from *Brevibacterium divaricatum*. **Z. Immun. Forsch.**, 155: 312-318, 1979. [Q1](#)
12. PAVELIĆ K., PAVELIĆ Z., POLJAK-BLAŽI M., ŠVERKO V., The effect of insulin on the growth of transplanted tumors in mice. **Biomedicine**, 31: 125-127, 1979. [Q2](#)
13. HRŠAK I., TOMAŠIĆ J., PAVELIĆ K., BENKOVIĆ B., On the mechanism of immunostimulatory activity of monomeric peptidoglycans. **Period. biol.**, 81: 155-157, 1979. [Q3](#)
14. PAVELIĆ K., Induction of glucagon synthesis in diabetic CBA mice bearing mammary aplastic carcinomas. **J. Nat. Cancer Inst.**, 63: 1005-1008, 1979. [Q1](#)
15. PAVELIĆ K., PAVELIĆ J., BENKOVIĆ B., VUK-PAVLOVIĆ S., Correlation between hyperglycemia and reduced immune reactivity in mice. **IRCS Med. Sci.**, 8: 24, 1980.

16. PAVELIĆ J., PAVELIĆ K., Insulin stimulated phagocytic ability and humoral immunologic response in mice. **Horm. Metab. Res.**, 12: 42, 1980. [Q1](#)
17. PAVELIĆ K., Growth of a methylcholantrene-induced fibrosarcoma in mice with diabetes mellitus. **Europ. J. Cancer**, 16: 279-284, 1980. [Q1](#)
18. PAVELIĆ K., PAVELIĆ J., Glucagon suppressed proliferation rate of mammary aplastic carcinoma in mice. **Horm. Metabol. Res.**, 12: 243-246, 1980. [Q1](#)
19. PAVELIĆ J., BENKOVIĆ B., PAVELIĆ K., Growth and treatment of B-16 melanoma in hypoglycemic mice. **Res. Exp. Med.**, 177: 71-78, 1980. [Q1](#)
20. PAVELIĆ K., BAŠIĆ I., PAVELIĆ J., Habituation of a mammary aplastic carcinoma on diabetic conditions. **J. Cancer Res. Clin. Oncol.**, 97: 275-287, 1980. [Q2](#)
21. PAVELIĆ K., PEKIĆ B., SLIJEPČEVIĆ M., POPOVIĆ M., Insulin levels in Hodkin's disease. **Brit. J. Haematol.**, 46: 133-135, 1980. [Q1](#)
22. PAVELIĆ K., HRŠAK I., Chemotherapy and immunotherapy of diabetic and non-diabetic mice bearing fibrosarcoma. **Europ. J. Cancer**, 16: 1297-1301, 1980. [Q1](#)
23. BENKOVIĆ B., PAVELIĆ J., PAVELIĆ K., The ability of melanoma B-16 cells to form colonies in the lungs of alloxan-diabetic mice. **Biomedicine**, 33: 135-136, 1980. [Q2](#)
24. PAVELIĆ K., VUK-PAVLOVIĆ S., Retarded growth of murine tumors in vivo by insulin- and glukagon-stimulated immunity and phagocytosis. **J. Nat. Cancer. Inst.**, 66: 889-892, 1981. [Q1](#)
25. PAVELIĆ K., POPOVIĆ M., Insulin and glucagon secretion by renal adenocarcinoma. **Cancer (Philad.)**, 48: 98-100, 1981. [Q1](#)
26. PAVELIĆ K., GABRILOVAC J., BOŽIKOV V., PAVELIĆ J., PETEK M., BORANIĆ M., Somatostatin suppresses growth of murine myeloid leukemia. **Blood**, 57: 805-809, 1981. [Q1](#)
27. PAVELIĆ K., FERLE-VIDOVIĆ A., OSMAK M., VUK-PAVLOVIĆ S., Synthesis of immunoreactive insulin in vitro by aplastic mammary carcinoma preconditioned in diabetic mice. **J. Nat. Cancer Inst.**, 67: 687-688, 1981. [Q1](#)
28. PAVELIĆ K., PEKIĆ B., GABRILOVAC J., BRATIĆ-MIKEŠ V., BORANIĆ M., Hormonal changes in patients with haematological malignancies. **Biomedicine**, 35: 181-184, 1981. [Q2](#)
29. VUK-PAVLOVIĆ S., BOŽIKOV V., PAVELIĆ K., Somatostatin-reduced proliferation of murine aplastic carcinoma conditioned to diabetes. **Int. J. Cancer**, 29: 683-686, 1982. [Q1](#)
30. BORANIĆ M., GABRILOVAC J., PAVELIĆ J., FERLE-VIDOVIĆ A., PAVELIĆ K., ŠKARIĆ Đ., ŠKARIĆ V., Tetrapeptide H-Tyr-His-Lys-Lys-OH interferes with proliferation of normal and malignant cells in vitro. **Acta Pharm. Jugosl.**, 32: 105-112, 1982.
31. GABRILOVAC J., PAVELIĆ J., MARUŠIĆ S., ORŠANIĆ L., SUCHANEK E., PAVELIĆ K., Anabolic hormone levels in immunized rats. **Immunology Letters**, 4: 345-347, 1982. [Q2](#)

32. PAVELIĆ K., BOLANČA M., VEČEK N., PAVELIĆ J., MAROTTI T., VUK-PAVLOVIĆ S., Carcinomas of the cervix and corpus uteri in humans: Stage-dependent blood levels of substance(s) immunologically cross-reactive with insulin. **J. Nat. Cancer Inst.**, 68: 891-894, 1982. **Q1**
33. PAVELIĆ K., RADIĆ S., PAVELIĆ J., Different endocrinological properties, growth rate and sensitivity to chemotherapy of aplastic mammary carcinoma in normo- and hypoglycemic phase of tumor growth. **Res. Exp. Med.**, 181: 63-76, 1982. **Q1**
34. PAVELIĆ K., ODAVIĆ M., PEKIĆ B., HRŠAK I., VUK-PAVLOVIĆ S., Correlation of substance(s) immunologically cross-reactive with insulin, glucose and growth hormone in Hodkin lymphoma patients. **Cancer Letters**, 17: 81-86, 1982. **Q1**
35. VUK-PAVLOVIĆ S., PAVELIĆ K., Towards in vitro verification of a hormone mediated feed-back mechanism of tumor growth. **Period. biol.**, 84: 336-338, 1982. **Q3**
36. PAVELIĆ K., SIROTKOVIĆ M., KOPITAR M., PAVELIĆ J., VUK-PAVLOVIĆ S., Murine myeloid leukemia: in vivo suppression by sercystatin A, a proteinase inhibitor from leukocytes. **Europ. J. Cancer. Clin. Oncol.**, 19: 123-126, 1983. **Q2**
37. PAVELIĆ K., VUK-PAVLOVIĆ S., C-peptide does not parallel increases of substances immunologically cross-reactive with insulin in non-Hodgkin lymphoma patients. **Blood**, 61: 925-928, 1983. **Q1**
38. PAVELIĆ K., PETRUŠIĆ LJ., OSMAK M., ČULO F., In vitro and in vivo effect of progesterone on growth of some mouse and human tumors. **Res. Exp. Med.**, 183: 183-191, 1983. **Q1**
39. ŽUPANOVIĆ Ž., GABRILOVAC J., BRAYER D., ROČIĆ B., PAVELIĆ K., Insulin receptors on cells of mouse myeloid leukemia. **Period. Biol.**, 85: 97-98, 1983. **Q3**
40. PAVELIĆ LJ., PAVELIĆ K., VUK-PAVLOVIĆ S., Human mammary and bronchial carcinomas. In vivo and in vitro secretion of substances immunologically cross-reactive with insulin. **Cancer**, 53: 2467-2471, 1984. **Q1**
41. BAJZER Ž., PAVELIĆ K., VUK-PAVLOVIĆ S., Growth self-incitement in murine melanoma B-16, a phenomenological model. **Science**, 225: 930-932, 1984. **Q1**
42. MAROTTI T., SIROTKOVIĆ M., PAVELIĆ J., GABRILOVAC J., PAVELIĆ K., In vivo effect of progesteron and estrogen on tymus mass and T-cell functions in female mice. **Horm. Metab. Res.**, 16: 201-203, 1984. **Q1**
43. PAVELIĆ K., ZGRADIĆ I., OSMAK M., POPOVIĆ M., Estramustine phosphate-reduced proliferation of murine and human cell lines and murine transplantable tumors. **Res. Exp. Med.**, 185: 233-243, 1985. **Q1**
44. BALTIĆ V., LEVANAT S., PETEK M., BRATIĆ-MIKEŠ V., PAVELIĆ K., VUK-PAVLOVIĆ S., Elevated levels of substances immunologically cross-reactive with insulin in blood of patients with malignant pulmonary tissue proliferation. **Oncology**, 42: 174-178, 1985. **Q2**
45. PAVELIĆ K., L-ascorbic acid-induced DNA strand breaks and cross links in human neuroblastoma cells. **Brain Res.**, 342: 369-373, 1985. **Q1**
46. PAVELIĆ K., BEERMAN T.A., BERNACKI R.J., An evaluation of the effects of combination chemotherapy in vitro using DNA-reactive agents. **Cancer Drug Deliver.**, 2: 255-270, 1985.

47. PAVELIĆ K., PEKIĆ B., Electrophoretic distribution and dissociation into subunits of lactate dehydrogenase derived from human myeloid leukemia cells before and after induction of differentiation. **J. Cell Physiol.**, 126: 307-311, 1986. **Q1**
48. PAVELIĆ K., VRBANEC D., MARUŠIĆ S., LEVANAT S., ČABRIJAN T., Autocrine tumor growth regulation by somatomedin C: an in vitro model. **J. Endocrinol.**, 109: 233-238, 1986. **Q1**
49. VUK-PAVLOVIĆ Z., PAVELIĆ K., VUK-PAVLOVIĆ S., Modulation of in vitro growth of murine myeloid leukemia by an autologous substance immunochemically cross-reactive with insulin and antiinsulin serum. **Blood.**, 67: 1031-1035, 1986. **Q1**
50. VUK-PAVLOVIĆ S., OPARA E.C., LEVANAT S., VRBANEC D., PAVELIĆ K., Autocrine tumor growth regulation and tumor-associated hypoglycemia in murine melanoma B16 in vivo. **Cancer Res.**, 46: 2208-2212, 1986. **Q1**
51. PAVELIĆ K., BULBUL M.A., SLOCUM H.K., PAVELIĆ Z.P., RUSTUM Y.M., NIEDBALA M.J., BERNACKI R.J., Growth of human urological tumors on extracellular matrix as a model for the in vitro cultivation of primary human tumor explants. **Cancer Res.**, 46: 3653-3662, 1986. **Q1**
52. BULBUL M.A., PAVELIĆ K., SLOCUM H.K., FRANKFURT O.S., RUSTUM Y.M., HUBEN R.P., BERNACKI R.J., Growth of human urologic tumors on extracellular matrix. **J. Urology**, 136: 512-516, 1986. **Q1**
53. PAVELIĆ K., Calmodulin antagonist W13 prevents DNA repair after bleomycin treatment of human urological tumor cells growing on extracellular matrix. **Int. J. Biochemistry**, 19: 1091-1095, 1987.
54. PAVELIĆ K., BERNACKI R.J., VUK-PAVLOVIĆ S., Insulin-modulated interleukin-2 production by murine splenocytes and T-cell hybridoma. **J. Endocrinology**, 114: 89-94, 1987. **Q1**
55. KOS Z., PAVELIĆ LJ., PEKIĆ B., PAVELIĆ K., Reversal of human myeloid leukemia cells into normal granulocytes and macrophages: activity and intracellular distribution of catalase. **Oncology**, 44: 245-247, 1987. **Q2**
56. PAVELIĆ K., SPAVENTI Š., Nerve growth factor (NGF) induced differentiation of human neuroblastoma cells. **Int. J. Biochemistry**, 19: 1237-1240, 1987.
57. ČABRIJAN T., PAČARIZI H., LEVANAT S., VRBANEC D., PAVELIĆ J., MILKOVIĆ D., SPAVENTI R., KONČAR M., BALTIĆ V., SPAVENTI Š., PAVELIĆ K., Autocrine tumor growth regulation by the insulin growth factor I (IGF I) and the epidermal growth factor (EGF). **Progress in Cancer and Therapy**, Vol. 35, **Hormones and Cancer 3**, edited by F. Bresciani, R.J.B. King, M.E. Lippman and J.P. Raynaud. Raven Press, Ltd. New York, 227-230, 1988.
58. BERNACKI R.J., PAVELIĆ K., SULLIVAN C.L., LETO G., BULBUL M.A., RUSTUM Y.M., NIEDBALA M.J., CRICKARD K., Interactions of human carcinoma cells with extracellular matrix. **Tumor Progression and Metastasis**, edited by G.I. Nicolson and I.J. Fidler. Alan R. Liss, Inc., New York, 251-260, 1988.
59. BERNACKI RJ, PAVELIĆ K., SULLIVAN C.L., LETO G., BULBUL M.A., RUSTUM Y.M., NIEDBALA M.J., CRICKARD K., Interactions of human carcinoma cells with extracellular matrix. In: **Tumor Progression and Metastasis**, (edited by Nicolson GL and Fidler IJ). Alan R. Liss, Inc., New York, 251-260, 1988.

60. OSMAK M., SIROTKOVIĆ M., LEVANAT S., KORBELIK M., PAVELIĆ K., Substance immunologically cross-reactive with insulin (SICRI) stimulates cell division. **Oncology**, 46: 54-57, 1989. [Q2](#)
61. LEVANAT S., PAVELIĆ K., Isolation and purification of a substance immunologically cross-reactive with insulin (SICRI) from human tissue. **Int. J. Biochemistry** 21: 509-515, 1989.
62. KRUŠLIN B., LEVANAT S., BALTIĆ V., MILKOVIĆ D., PAVELIĆ J., SPAVENTI R., SPAVENTI Š., PAVELIĆ K., Growth factors in human tumors. **Res. Exp. Med.**, 189: 91-99, 1989. [Q1](#)
63. PAVELIĆ K., KOS Z., SPAVENTI Š., Antimetabolic activity of L-ascorbic acid in human and animal tumors. **Int. J. Biochemistry**, 21:931-935, 1989.
64. SPAVENTI R., ANTICA M., PAVELIĆ K., Insulin and insulin-like growth factor I (IGF I) in early mouse embryogenesis. **Development**, 108: 491-495, 1990. [Q1](#)
65. PAČARIZI H., SPAVENTI R., SPAVENTI Š., LEVANAT S., PAVELIĆ J., PAVELIĆ K., The expression of growth factors in human melanomas. **Tumordiagn.Ther.**11: 37-40, 1990. [Q4](#)
66. LEVANAT S., PAVELIĆ K., Substance immunologically cross-reactive with insulin from murine myeloid leukemia: purification and characterization. **Biol. Chem. Hoppe-Seyler**, 371: 249-254, 1990.
67. PAVELIĆ K., BALTIĆ V., SPAVENTI Š., Artificial reversion of acute myeloid leukemia cells into hormonal phenotype. **Int. J. Biochemistry**, 22: 533-538, 1990.
68. MARUŠIĆ-GALEŠIĆ S., PAVELIĆ K., Dynamics of positive and negative selection in the thymus: review and hypothesis. **Immunology Letters**, 24:149-154, 1990. [Q2](#)
69. PAVELIĆ K., DESPOT N., LEVANAT S., ČASL T., Protective role of transforming growth factor beta (TGF b) in tumor-induced degradation of basement membranes. **Biol. Chem. Hoppe-Seyler**, 371:687-692, 1990.
70. OSMAK M., ECKERT-MAKSIĆ M., PAVELIĆ K., MAKSIĆ Z.B., SPAVENTI R., BEKETIĆ L, KOVAČEK I, ŠUŠKOVIĆ B., 6-Deoxy-6-bromo-ascorbic acid inhibits growth of mouse melanom cells. **Res. Exp. Med.** 190:443-449, 1990. [Q1](#)
71. PAVELIĆ K., PAVELIĆ Z.P., DENTON D., REISING J., KHALILY M., PREISLER H.D., Immunohistochemical detection of C-MYC oncoprotein in paraffin embedded tissues. **J. Exp. Pathol.** 5: 143-153, 1990.
72. PAVELIĆ Z.P., PAVELIĆ LJ., PAVELIĆ K., PEACOCK J.S., Utility of anti-carcinoembryonic antigen monoclonal antibodies for differentiating ovarian adenocarcinomas from gastrointestinal metastasis to the ovary. **Gynecologic Oncology**, 40: 112-117, 1991. [Q1](#)
73. MARUŠIĆ-GALEŠIĆ S., PAVELIĆ K., POKRIĆ B., Cellular immune response to the antigen administered as an immune complex. **Immunology**, 72: 526-531, 1991. [Q1](#)
74. PAVELIĆ J., ZGRADIĆ I., PAVELIĆ K., Presence of estrogen receptors on target cells and antiproliferative activity of estramustine phosphate: positive correlation for human tumours in vitro. **J. Cancer. Res. Clin. Oncol.** 117: 244-248, 1991. [Q2](#)

75. ECKERT-MAKSIĆ M., KOVAČEK I., MAKSIĆ Z.B., OSMAK M., PAVELIĆ K., Effect of ascorbic acid and its derivatives on different tumors *in vivo* and *in vitro*. **Molecules in Natural Science and Medicine, An Encomium for Linus Pauling**, edited by Z.B. Maksić and M. Eckert-Maksić. Ellis Horwood, New York/London/Toronto/Sydney/Tokyo/Singapore, 509-524, 1991.
76. PAVELIĆ K., PAVELIĆ Z.P., PREISLER H.D., C-MYC detection in bone marrow biopsies. **Leukemia Res.** 15, 1075-1078,1991.
77. SLADE N., LEVANAT S., SPAVENTI Š., PAVELIĆ K., Collagenase derived from human fibrosarcoma is responsible for degradation of basement membranes. **Int. J. Exp. Pathol.** 72, 715-724,1991. **Q1**
78. ČABRIJAN T., LEVANAT S., PEKIĆ B., PAVELIĆ J., SPAVENTI R., FRAHM H., ZJAČIĆ-ROTKVIĆ V., GOLDONI V., VRBANEC D., MISJAK M., GRAZIO S., PAVELIĆ K., The role of insulin-related substance in Hodgkin's disease. **J. Cancer Res. Clin. Oncol.** 117, 615-619,1991. **Q2**
79. PAVELIĆ Z.P., PAVELIĆ LJ., PAVELIĆ K., GENTA R.M., RAY M.B., DVORNIK G., ŠČUKANEC-ŠPOLJAR M., PEACOCK J.S., Expression of carcinoembryonic antigen in ulcerative colitis, tubular adenomas and hyperplastic polyps: correlations with degree of dysplasia. **Anticancer Res.** 11, 1671-1676, 1991. **Q2**
80. PAVELIĆ K., PEĆINA N., SPAVENTI R., Growth factor and proto-oncogenes in early mouse embryogenesis. **Int. J. Dev. Biol.** 35: 209-214, 1991.
81. BANAVALI S.D., SILVESTRI F.F., PAVELIĆ K., PAVELIĆ Z.P., SMITH P.L., PREISLER H.D., Studies of the geographic patterns of c-myc expression in bone marrow. **Cell Prolif.** 24: 529-542, 1991. **Q3**
82. PAVELIĆ Z.P., PAVELIĆ LJ., PAVELIĆ K., DVORNIK G., ŠČUKANEC-ŠPOLJAR M., PEACOCK J.S., Immunohistochemical detection of carcinoembryonic antigen (CEA) with anti-CEA monoclonal antibodies in conventional tissue sections. **Period. biol.** 93: 479-484, 1991. **Q3**
83. PAVELIĆ Z.P., PAVELIĆ K., CARTER C.P., PAVELIĆ LJ., Heterogeneity of *c-myc* expression in histologically similar infiltrating ductal carcinomas of the breast. **J. Cancer Res. Clin. Oncol.** 118: 16-22, 1992. **Q2**
84. SEVER Z., PAVELIĆ J., LEVANAT S., SPAVENTI R., SLADE N., JELIĆ I., BALTIĆ V., PAVELIĆ LJ., ČABRIJAN T., ČASL T., PAVELIĆ K., Insulin-related substances in human solid tumors. **Tumordiagn. u. Ther.** 13: 54-59, 1992. **Q4**
85. OSMAK M., PEĆINA N., PAVELIĆ K., Multiple fractions of gamma rays increase the expression of p62^{c-myc} in Chinese hamster V79 cells. **Period. biol.** 94: 59-64, 1992. **Q3**
86. ŠTORGA D., PEĆINA-ŠLAUS N., PAVELIĆ J., PAVELIĆ Z.P., PAVELIĆ K., *c-fms* is present in primary tumours as well as in their metastases in bone marrow. **Int J. Exp. Path.** 73: 527-533, 1992. **Q1**
87. POLJAK LJ., VERSTOVŠEK S., KNEŽEVIĆ N., UŽAREVIĆ B., BATINIĆ D., PAVELIĆ K., MARUŠIĆ-GALEŠIĆ S., Cyclosporine A differently affects the function of the two Main T cell subsets. **Croatian Med. J.** 33: 102-106, 1992. **Q2**

88. PAVELIĆ K., ANTONIĆ M., PAVELIĆ LJ., PAVELIĆ J., PAVELIĆ Z., SPAVENTI Š., Human lung cancers growing on extracellular matrix: Expression of oncogenes and growth factors. **Anticancer Res.** 12: 2191-2196,1992. **Q2**
89. GRAZIO S., FRKOVIĆ-GRAZIO S., ČABRIJAN T., ZJAČIĆ-ROTKVIĆ V., GOLDONI V., PEĆINA-ŠLAUS N., KAMENJICKI E., PAVELIĆ K., Freshly frozen subsequently AMeX processed breast carcinoma tissue - a new possibility for immunohistochemical detection of c-myc oncoprotein. **Period. biol.** 94: 215-220, 1992. **Q3**
90. KAPITANOVIĆ S., SPAVENTI R., KUŠIĆ B., PAVELIĆ K., *c-erbB-2/neu* in colorectal carcinoma: A potential prognostic value? **Eur. J. Cancer**, 29A: 170-170, 1993. **Q1**
91. GALL-TROŠELJ K., PAVIČIĆ D., AUDY-JURKOVIĆ S., PAVELIĆ J., PAVELIĆ K., PCR amplification of DNA from stained cytological smears. **J. Clin. Pathol.** 46: 378-379,1993. **Q1**
92. HORVAT Š., HORVAT J., VARGA-DEFTERDAROVIĆ L., PAVELIĆ K., CHUNG N.N., SCHILLER P.W. Methionine-enkephalin related glycoconjugates. Synthesis and biological activity. **Int. J. Peptide Protein Res.** 41: 399-404, 1993. **Q3**
93. PUJIĆ N., HEGEDIS LJ., PAVELIĆ K., CASL T., MARUSIĆ S., SAVOVSKI K., DUJIC A., DIMITRIJEVIĆ B., Humoral stimulating activities in post-cyclophosphamide rat sera and their purified fractions. **Cell Prolif.** 26: 1-11, 1993. **Q3**
94. GALL K., PAVELIĆ J., JADRO-ŠANTEL D., POLJAK M., PAVELIĆ K. DNA amplification by polymerase chain reaction from brain tissues embedded in paraffin. **Int. J. Exp. Path.** 74: 333-337, 1993. **Q1**
95. POLJAK LJ., PEĆINA N., DŽUBUR A., UŽAREVIĆ B., VITALE B., PAVELIĆ K.: Modulation of p62c-myc expression in a single case of non-T acute lymphoblastic leukemia (ALL) assessed by image analyzer. **Tumordiagn. u.Ther.** 14:158-162,1993. **Q4**
96. PAVELIĆ K, BANJAC Ć, PAVELIĆ J, SPAVENTI Š.: Evidence for a role of EGF receptor in the progression of human lung carcinoma. **Anticancer Res.** 13:1133-1138, 1993. **Q2**
97. SPAVENTI R., PEČUR L., PAVELIĆ K., PAVELIĆ Z.P., SPAVENTI Š., STAMBROOK P.J.: Human Tumour Bank in Croatia: a Possible Model for a Small Bank as a Part of the Future European Tumour Bank Network. **Eur. J. Cancer** 30A:419-419, 1994. **Q1**
98. KAPITANOVIĆ S., SPAVENTI R., POLJAK LJ., KAPITANOVIĆ M., PAVELIĆ Z.P., GLUCKMAN J.L., SPAVENTI Š., PAVELIĆ K.: High c-erbB-2 protein level in colorectal adenocarcinomas correlates with clinical parameters. **Cancer Detect. Prevent.** 18: 97-101,1994.
99. KNEŽEVIĆ V., SPAVENTI R., POLJAK LJ., SLADE N., ŠVAJGER A., PAVELIĆ K.: p185^{neu} is expressed in yolk sac during rat postimplantation development. **J. Anat.** 185: 181-187, 1994. **Q1**
100. SPAVENTI R., PAVELIĆ K., PAVELIĆ Z.P., GLUCKMAN J.L.: The concomitant expression of oncogenes and growth factors in human breast cancer. **Eur. J. Cancer** 30A:723-724, 1994. **Q1**
101. SPAVENTI R., KAMENJICKI E., PEĆINA N., GRAZIO S., GRAZIO S., PAVELIĆ J., KUSIĆ B., CVRTILA D., DANILOVIĆ Z, SPAVENTI S., PAVELIĆ K., GLUCKMAN

- J., PAVELIĆ Z.P.: Immunohistochemical detection of TGF- α , EGF-R, *c-erbB-2*, *c-H-ras*, *c-myc*, estrogen and progesterone in benign and malignant human breast lesions: A concomitant expression? **In vivo** 8:183-190, 1994.
102. PAVELIĆ J., GALL-TROŠELJ K., HLAVKA V., PAVELIĆ Z.P., GLUCKMAN J.L., STAMBROOK P.J., PAVELIĆ K.: nm23-H1 protein in oligodendrogliomas. **Int. J. Oncol.** 4:1399-1403, 1994. [Q2](#)
 103. PEĆINA-ŠLAUS N., PAVELIĆ J., PAVELIĆ K.: Comparison of reverse-phase HPLC and gel electrophoretic purification of synthetic oligonucleotides. **Period. biol.** 96:161-164, 1994. [Q3](#)
 104. ILIJAS M., PAVELIĆ K., SARCEVIC B., KAPITANOVIC S., KURJAK A., STAMBROOK P.J., GLUCKMAN J.L., PAVELIĆ Z.P.: Expression of nm23-H1 gene in squamous cell carcinoma of the cervix correlates with 5-year survival. **Int. J. Oncol.** 5: 1455-1457, 1994. [Q2](#)
 105. SARIC T., SEITZ H.J., PAVELIĆ K.: Detection of the substance immunologically cross-reactive with insulin in insulin RIA is an artifact caused by insulin tracer degradation: involvement of the insulin-degrading enzyme. **Mol. Cell. Endocr.**, 106:23-29, 1994. [Q1](#)
 106. PAVELIĆ J., HLAVKA V., POLJAK M., GALE N., PAVELIĆ K.: p53 immunoreactivity in oligodendrogliomas. **J. Neuro-Oncol.** 22:1-6, 1994. [Q1](#)
 107. PAVELIĆ Z.P., LI Y-Q., STAMBROOK P.J., McDONALD J.S., MUNCK-WIKLAND E., PAVELIĆ K., DACIĆ S., DANILOVIC Z., PAVELIĆ, L.J., MUGGE R.E., WILSON K., NGUYEN C., GLUCKMAN J.L.: Overexpression of p53 protein is common in premalignant head and neck lesions. **Anticancer Res.** 14: 2259-2266, 1994. [Q2](#)
 108. PECUR L., KAPITANOVIĆ S., SONICKI Z, PAVIČIĆ F., SPAVENTI Š., SPAVENTI R., GLUCKMAN J.L., STAMBROOK P.J., PAVELIĆ Z.P., SPAVENTI R., PAVELIĆ K.P.: Prognostic significance of transforming growth factor alpha (TGF- α) in human lung carcinoma: An immunohistochemical study. **Anticancer Res.** 14:2839-2844, 1994. [Q2](#)
 109. PAVELIĆ Z.P., LI Y-Q., STAMBROOK P.J., MUNCK-WIKLAND E., PAVELIĆ K., McDONALD J.S., DACIĆ S., DANILOVIC Z., PAVELIĆ, L.J., MUGGE R.E., WILSON K., NGUYEN C., KLUSMAN P., GLUCKMAN J.L.: p53 mutation and expression during multistage human head and neck carcinogenesis. **Proceedings of the XVI International Cancer Congress**, New Delhi, India, 30.10.-5.5.1994. edited by R.S. Rao, M.G. Deo and L.D. Sanghvi. Monduzzi Editore S.p.A. Bologna, 923-927, 1994.
 110. SLADE N., PAVELIĆ J., KRUŠLIN B., PAVELIĆ K.: Type IV collagenase in squamous cell and basal cell skin carcinomas. **Arch. Dermat. Res.** 287:512-514, 1995. [Q1](#)
 111. GRDIŠA M., KRALJ M., ECKERT-MAKSIĆ M., MAKSIĆ Z.B. 6-amino-6-deoxyascorbic acid induces apoptosis in human tumor cells. **J. Cancer Res. Clin. Oncol.**, 121:98-102, 1995. [Q2](#)
 112. KAPITANOVIĆ S., SPAVENTI R., VUJISIĆ S., PETROVIĆ Z., KURJAK A., PAVELIĆ Z.P., GLUCKMAN J.L., STAMBROOK P.J., PAVELIĆ K. nm23-H1 gene expression in ovarian tumors - a potential tumor marker. **Anticancer Res.**, 15:587-590, 1995. [Q2](#)

113. GALL-TROŠELJ K., KUŠIĆ B., PEĆINA-ŠLAUS, N., PAVELIĆ K., PAVELIĆ J. Nested polymerase chain reaction for detection of hepatitis C virus RNA in blood derivatives. **Eur J Clin Chem Clin Biochem**, 33:733-736, 1995.
114. SLADE N., KUZMIĆ I., POLJAK LJ., KRUŠLIN B., PAVELIĆ K., PAVELIĆ J. Inverse relation between type IV collagenase and TGF- β 1 in human endometrial carcinoma. **Tumordiagn. u. Ther.** 16:230-231, 1995. **Q4**
115. PAVELIĆ K., HRAŠČAN R., KAPITANOVIĆ S., KARAPANDŽA N., VRANEŠ Z., BELICZA M., KRUŠLIN B., ČABRIJAN T. Multiple genetic alterations in malignant metastatic insulinomas. **J. Pathol.**, 178:395-400, 1995. **Q1**
116. PAVELIĆ K. Human tumor bank. **Period. Biol.** 97:11-12, 1995. **Q3**
117. KRALJ M., KOJIĆ-PRODIĆ B., BANIĆ Z., GRDIŠA M., VELA V., ŠUŠKOVIĆ B., PAVELIĆ K. Synthesis, structural characterization and cytotoxic effect of 6-amino-6-deoxy-L-ascorbic acid derivatives. **Eur. J. Med. Chem.** 31:23-35, 1996. **Q1**
118. PAVELIĆ K. Is tumor suppressor gene p53 involved in neuroendocrine tumor carcinogenesis. **J. Pathol.** 178:359-360, 1996. **Q1**
119. PAVELIĆ J., GALL-TROŠELJ K., HERAK-BOSNAR M., KARDUM M.M., PAVELIĆ K.: PCR amplification of DNA from archival specimens. A methodological approach. **Neoplasma**, 43:75-81, 1996. **Q3**
120. GRCE M., MAGDIĆ L., KOCIJAN I., PAVELIĆ K. increase of genital human papillomavirus infection among men and women in Croatia. **Anticancer Res.**, 16:1039-1042, 1996. **Q2**
121. PAVELIĆ K., HRASČAN R., KAPITANOVIĆ S., VRANES Z., CABRIJAN T., SPAVENTI S., KORSIC M., KRIZANAC S., LI Y.Q., STAMBROOK P., GLUCKMAN J.L., PAVELIC Z.P.: Molecular genetics of malignant insulinoma. **Anticancer Res.**, 16:1707-1718, 1996. **Q2**
122. HRAŠČAN R., PAVELIĆ K., PAVIČIĆ F., KRIŽANAC Š., ŠTAJČER-ŠTITIĆ, V., PEČUR L., SPAVENTU Š., KLIMPFINGER M., PAVELIĆ J: Concomitant point mutation of tumor suppressor gene p53 and oncogene c-N-ras in malignant neuroendocrine pancreatic tumor. **Anticancer Res.**, 16:3761-3766, 1996. **Q2**
123. STEINER-BIOCIC, I., GLAVAS-OBROVAC, L. KARNER, I., PIANTANIDA, I., ZINIC, M., PAVELIC, K., PAVELIC, J.: 4,9-Diazapyrenium dications induce apoptosis in human tumor cells. **Anticancer Res.**, 16:3705-3708, 1996. **Q2**
124. KRUŠLIN, B., HRAŠČAN, R., MANOJLOVIĆ, S., PAVELIĆ, K.: Oncoproteins and tumor suppressor proteins in congenital sacrococcygeal teratomas. **Pediatr. Pathol. Lab. Med.**, 17:43-52, 1977.
125. POPOVIĆ-HADŽIJA, M., POLJAK-BLAŽI, M., PAVELIĆ, K.: Presence of c-MYC protein in murine myeloid leukaemia cells during growth and after irradiation. **Anticancer Res.**, 17:1089-1092, 1997. **Q2**
126. GRCE, M., FURČIĆ I., HRAŠČAN, R., HUSNJAK, K., KRHEN, I., MAREKOVIĆ, Z., ZELJKO Ž., PAVELIĆ, K.: Human Papilloma viruses are not associated with renal carcinoma. **Anticancer Res.**, 17:2193-2196, 1997. **Q2**
127. KAPITANOVIĆ S., RADOŠEVIĆ, S., KAPITANOVIĆ, M., ANĐELINOVIĆ, Š., FERENČIĆ, Ž., TAVASSOLI, M., PRIMORAC, D., SONICKI Z., SPAVENTI Š.,

- PAVELIĆ, K., SPAVENTI, R.: The expression of p185 HER-2/neu correlates with the stage of disease and survival in colorectal cancer. **Gastroenterology**, 112:1103-1113, 1997. **Q1**
128. GRCE, M., HUSNJAK, K., MAGDIĆ, L., ILIJAŠ, M., ZLAČKI, M., LEPUŠIĆ, D., LUKAČ, J., HODEK, B., GRIZELJ, V., KURJAK, A., KUSIĆ, Z., PAVELIĆ, K.: Detection and typing of human papillomaviruses by polymerase chain reaction in cervical scrapes of Croatian women with abnormal cytology. **Europ. J. Epidem.**, 13:645-651, 1997. **Q1**
129. HERAK-BOSNAR M., PAVELIĆ, K., HRAŠČAN, R., ZELJKO Ž., KRHEN I., MAREKOVIĆ, Z., KRIŽANAC, Š., PAVELIĆ, J.: Loss of heterozygosity of the nm23-H1 gene in human renal cell carcinomas. **J. Cancer Res. Clin Oncol.**, 123:485-488, 1997. **Q2**
130. HERAK BOSNAR, M., PAVELIĆ, K., KRIŽANAC, Š., SLOBODNJAK, Z., PAVELIĆ, J.: Squamous cell lung carcinomas: the role of nm23-H1 gene. **J.Mol. Med.**, 75:609-613, 1997. **Q1**
131. HEĆIMOVIĆ, S., BARIŠIĆ, I., MULLER, A., PETKOVIĆ, I., BARIĆ, I., LIGUTIĆ, I., PAVELIĆ, K.: Expand long PCR for fragile X mutation detection. **Clin. Genet.**, 52:147-154, 1997. **Q2**
132. PAVELIĆ, K., HRAŠČAN, R., ČABRIJAN, T., KRIŽANAC, D., ELJUGA, D., PAVELIĆ, K., KARAPANDŽA, N., KUSIĆ, Z., SPAVENTI, Š., PAVELIĆ, J.: Point mutation of tumor suppressor gene p53 in two highly malignant metastatic insulinomas. **Tumordiagn. u.Ther.** 18:102-106, 1997. **Q4**
133. MRAVAK-STIPETIĆ, M., GALL-TROŠELJ, K., LUKAČ, J., KUSIĆ, Z., PAVELIĆ, K., PAVELIĆ, J.: Detection of *Helicobacter pylori* in various oral lesions by nested polymerase chain reaction (PCR). **J. Oral. Pathol. Med.**, 27:1-3, 1998. **Q2**
134. PAVELIĆ, K., ČABRIJAN, T., HRAŠČAN, R., VRKLJAN, M., LIPOVAC, M., KAPITANOVIĆ, S., GALL-TROŠELJ, K., HERAK BOSNAR, M., TOMAC, A., GRŠKOVIĆ, B., KARAPANDŽA, N., PAVELIĆ, LJ., KRUŠLIN, B., SPAVENTI, Š., PAVELIĆ, J.: Molecular pathology of hemangiopericytomas accompanied by severe hypoglycemia: oncogenes, tumor-suppressor genes and the insulin-like growth factor family. **J. Cancer Res. Clin. Oncol.**, 124:307-314, 1998. **Q2**
135. GRDIŠA, M., LOPOTAR, N., PAVELIĆ, K.: Effect of a 17-member azalide on tumor cell growth. **Chemotherapy** 44:331-336, 1998. **Q2**
136. HEĆIMOVIĆ, S., BARIŠIĆ, I., PAVELIĆ, K.: DNA analysis of the fragile X syndrome in an at risk pediatric population in Croatia: simple clinical preselection criteria can considerably improve the cost-effectiveness of fragile X screening studies. **Human Hered.**, 48:256-265, 1998. **Q2**
137. ILIJAŠ, M., KAPITANOVIĆ, S., ŠARČEVIĆ, B., PAVELIĆ, K., PAVELIĆ, Z.P., KURJAK, A., PAVELIĆ J.: Gene nm23-H1 - possible prognostic factor for invasive squamous cell carcinoma of cervix uteri. **J. Tumour Marker Oncol.**, 13:61-67, 1998. **Q4**
138. PAVELIĆ, J., GALL-TROŠELJ, K., MRAVAK-STIPETIĆ, M., PAVELIĆ, K.: The p53 and nm23-H1 Genes are not Deleted in Oral Benign Epithelial Lesions. **Anticancer Res.**, 18:3527-3532, 1998. **Q2**

139. HEČIMOVIĆ, S., BARIŠIĆ, I., MARKOVIĆ, D., ŠKARPA, I., RELJA, M., PAVELIĆ, K.: Trinucleotide repeat diseases - DNA molecular analysis using a simple expand long PCR assay. **Period. biol.**, 100: 353-360, 1998. **Q3**
140. ŠTURLAN, S., KAPITANOVIĆ, S., KOVAČEVIĆ, D., LUKAČ, J., SPAVENTI, Š., SPAVENTI, R., PAVELIĆ, K.: Loss of heterozygosity of APC and DCC tumor suppressor genes in human sporadic colon cancer. **J. Mol. Med.**, 77: 316-321, 1999. **Q1**
141. PAVELIĆ, K., PAVELIĆ, Z.P., ČABRIJAN, T., KARNER, I., SAMARŽIJA, M., STAMBROOK, P.J.: Insulin-like growth factor family in malignant haemangiopericytomas: the expression and role of insulin-like growth factor I receptor. **J. Pathol.**, 188: 69-75, 1999. **Q1**
142. KATIĆ, M., HADŽIJA, M., WRISCHER, M., PAVELIĆ, K.: An in vitro model of the early genetic events in multistage carcinogenesis of malignant insulinoma. **Carcinogenesis**, 20: 1521-1527, 1999. **Q1**
143. RAIĆ-MALIĆ, S., HERGOLD-BRUNDIĆ, A., NAGL, A., GRDIŠA, M., PAVELIĆ, K., DE CLERCQ, E., MINTAS, M.: Novel pyrimidine and purine derivatives of L-ascorbic Acid: synthesis and biological evaluation. **J. Med. Chem.**, 42: 2673-2678, 1999. **Q1**
144. PEĆINA-ŠLAUS, N., PAVELIĆ, K., PAVELIĆ, J.: Loss of heterozygosity and protein expression of APC gene in renal cell carcinomas. **J. Mol. Med.**, 77: 446-453, 1999. **Q1**
145. PAVELIĆ K., SPAVENTI Š., GLUNČIĆ V., MATEJČIĆ A., PAVIČIĆ D., KARAPANDŽA N., KUSIĆ Z., LUKAČ J., ČABRIJAN T., PAVELIĆ J.: The expression and role of insulin-like growth factor II in malignant hemangiopericytomas. **J. Mol. Med.**, 77:865-869,1999. **Q1**
146. SLADE N., ŠTORGA-TOMIĆ D., BIRKMAYER GD., PAVELIĆ K., PAVELIĆ J.: Effect of extracellular NADH on human tumor cell proliferation. **Anticancer Res.**, 19:5355-5360,1999. **Q2**
147. RAIĆ-MALIĆ S., GRDIŠA M., PAVELIĆ K., MINTAS M.: Synthesis and biological evaluation of the novel purine and pyrimidine nucleoside analogues containing 2,3-epoxypropyl, 3-amino-2-hydroxypropyl or 2,3-epoxypropyl ether moieties. **Eur. J. Med. Chem.**, 34: 405-413,1999. **Q1**
148. PAVELIĆ K.: Molecular Genetics of Malignant Insulinomas. In: **Diseases of Pancreas, Biliary Tract and Duodenum**. Day of Dialogue in Diagnostic Dilemmas (edited by. Ferlan-Marolt V., Luzar B., Pavelić K., Vucelić B.) Institute of Pathology, Medical Faculty University of Ljubljana, Ljubljana, Slovenia,1999.
149. PAVELIĆ, K., KAPITANOVIĆ, S., BURJA, M., SEIWERTH, S., PAVELIĆ, LJ., SPAVENTI, R.: Increased activity of nm23-H1 gene in squamous cell carcinoma of the head and neck is associated with advanced disease and poor prognosis. **J. Mol. Med.**, 78:111-118, 2000. **Q1**
150. KAPITANOVIĆ S., RADOŠEVIĆ S., SLADE N., KAPITANOVIĆ M., ANĐELINOVIĆ Š., FERENČIĆ Ž., TAVASSOLI M., SPAVENTI Š., PAVELIĆ K., SPAVENTI R.: Expression of erbB-3 protein in colorectal adenocarcinoma: correlation with poor survival. **J. Cancer Res. Clin. Oncol.**, 126:205-211, 2000. **Q2**
151. GROET J., IVES J.H., JONES T.A., DANTON M., FLOMEN R.H., SHEER D., HRAŠČAN R., PAVELIĆ K., NIŽETIĆ D.: Narrowing of the region of allelic loss in 21q11-21 in squamous non-small cell lung carcinoma and cloning of a novel

- ubiquitin-specific protease gene from the deleted segment. **Genes, Chromosomes & Cancer**, 27:153-161,2000. **Q1**
152. PAVELIĆ J., LAMOVEC J., NOVAK J., GALL-TROŠELJ K., KAPITANOVIĆ S., PAVELIĆ K.: Collision tumour in the pelvic cavity: rectal leiomyosarcoma and prostate adenocarcinoma. **J Cancer Res. Clin. Oncol.** , 126:95-100, 2000. **Q2**
153. ROKNIĆ S., GLAVAŠ-OBROVAC LJ., KARNER I., Piantanida I., ŽINIĆ M., PAVELIĆ K.: In vitro cytotoxicity of three 4,9-diazapyrenium hydrogensulfate derivatives on different human tumor cell lines. **Chemotherapy**, 46:143-149, 2000. **Q2**
154. GRCE M., HUSNJAK K., SKERLEV M., LIPOZENČIĆ J., PAVELIĆ K.: Detection and typing of human papillomaviruses by means of polymerase chain reaction and fragment length polymorphism in male genital lesions. **Anticancer Res.** 20:2097-2102, 2000. **Q2**
155. COLIC M., PAVELIC, K.: Molecular mechanisms of anticancer activity of natural dietetic products. **J. Mol. Med.**, 78:333-336, 2000. **Q1**
156. HUSNJAK K., GRCE M., MAGDIĆ L., PAVELIĆ K. Comparison of five different polymerase chain reaction methods for detection of human papillomavirus in cervical cell specimens. **J. Virol. Methods**, 88:125-134, 2000. **Q3**
157. RAVLIĆ-GULAN J., RADOŠEVIĆ-STAŠIĆ B., GULAN G., ŠTIMAC D., PAVELIĆ K., RUKAVINA D.: Immunoprotective properties of peptidoglycan monomer linked with zinc in cholestatic jaundice. **Int. Arch. Allergy Immunol.** 123:354-364, 2000.
158. PAVELIĆ K., HADŽIJA M., BEDRICA LJ., PAVELIĆ J., ĐIKIĆ I., KATIĆ M., KRALJ M., HERAK BOSNAR M., KAPITANOVIĆ S., POLJAK-BLAŽI M., KRIŽANAC Š., STOJKOVIĆ R., JURIN M., SUBOTIĆ B., ČOLIĆ M.: Natural zeolite clinoptilolite: new adjuvant in anticancer therapy. **J. Mol. Med.** 78:708-720, 2001. **Q1**
159. KRALJ M., KAPITANOVIĆ S., KOVAČEVIĆ D., LUKAČ J., SPAVENTI Š., PAVELIĆ K.: Effect of the nonsteroidal anti-inflammatory drug indomethacin on proliferation and apoptosis of colon carcinoma cells. **J. Cancer Res. Clin. Oncol.**, 127:173-179, 2001. **Q2**
160. POPOVIĆ HADŽIJA M., KAPITANOVIĆ S., RADOŠEVIĆ S., ČAČEV T., MIRT M., KOVAČEVIĆ D., LUKAČ J., HADŽIJA M., SPAVENTI R., PAVELIĆ K.: Loss of heterozygosity of DPC4 tumor suppressor gene in human sporadic colon cancer. **J. Mol. Med.** 79:128-132, 2001. **Q1**
161. GRCE M., HUSNJAK K., BOŽIKOV J., MAGDIĆ L., ZLAČKI M., LUKAČ J., FISTONIĆ I., ŠIKANIĆ-DUGIĆ N., PAVELIĆ K.: Evaluation of genital human papillomavirus infections by polymerase chain reaction among Croatian women. **Anticancer Res.**, 21:579-584, 2001. **Q2**
162. POLJAK-BLAŽI M., KATIĆ M., KRALJ M., ŽARKOVIĆ N., MAROTTI T., BOŠNJAK B., ŠVERKO V., BALOG T., PAVELIĆ K.: *In vitro* and *in vivo* effect of natural clinoptilolite on malignant tumors. **Stud. Surf. Sci. Catal.** 135:5309-5316, 2001. **Q3**
163. K. PAVELIĆ K., SUBOTIĆ B., ČOLIĆ M.: Biomedical applications of zeolites. **Stud. Surf. Sci. Catal.** 135:5309-5316, 2001. **Q3**

164. KAPITANOVIĆ S., ČAČEV T., SPAVENTI R., PAVELIĆ K.. Submerged gel electrophoresis on sephadex gels- a new method for APC gene mutation detection. **J. Mol. Med.**, 79:333-337, 2001. **Q1**
165. PAVELIĆ K., KRIŽANAC Š., ČAČEV T., POPOVIĆ HADŽIJA M., RADOŠEVIĆ S., CRNIĆ I., LEVANAT S., KAPITANOVIĆ S.: Aberration of FHIT gene is associated with increased tumor proliferation and decreased apoptosis – clinical evidence in lung and head and neck carcinomas. **Molecular Medicine**, 7: 442-453, 2001. **Q1**
166. GLAVAS-OBROVAC LJ., KARNER I., ZINIC B., PAVELIC K.: Antineoplastic activity of novel N-1-sulfonylpyrimidine derivatives. **Anticancer Res.**, 21:1979-1986, 2001. **Q2**
167. PAVELIĆ K., GALL-TROŠELJ K.: Recent advances in molecular genetics of breast cancer. **J. Mol. Med.**, 79:566-573, 2001. **Q1**
168. HEĆIMOVIĆ S., VLAŠIĆ J., BARIŠIĆ I., MARKOVIĆ D., ČULIĆ V., PAVELIĆ K.: A simple and rapid analysis of triplet repeat diseases by expand long PCR. **Clin. Chem. Lab. Med.** 39:1259-1262, 2001. **Q1**
169. PAVELIĆ K., KATIĆ M., ŠVERKO V., MAROTTI T., BOŠNJAK B., BALOG T., STOJKOVIĆ R., RADAČIĆ M., ČOLIĆ M., POLJAK-BLAŽI M.. Immunostimulatory effect of natural clinoptilolite as a possible mechanism of its antimetastatic ability. **J. Canc. Res. Clin. Oncol.**, 128:37-44, 2002. **Q2**
170. HEĆIMOVIĆ S., BAGO R., MUŽINIĆ D., BEGOVIĆ D., PAVELIĆ K.: The first case of the FRAXE form of inherited mental retardation in Croatia. **Eur. J. Pediatr.** 161:112-113 , 2002. **Q2**
171. HEĆIMOVIĆ S., PETEK TARNIK I., BARIĆ I., ČAKARUN Ž., PAVELIĆ K.: Screening for fragile X syndrome: results from a school for mentally retarded children. **Acta Paediatr.** 91:535-539, 2002.
172. HEĆIMOVIĆ S., KLEPAC N., VLAŠIĆ J., VOJTA A., JANKO D., ŠKARPA-PRPIĆ I., CANKI-KLAIN N., MARKOVIĆ D., BOŽIKOV J., RELJA M., PAVELIĆ K.: Genetic background of Huntington disease in Croatis: Molecular analysis of CAG, CCG, and d2642 (E2642del) polymorphisms. **Human Mutation** #526 2002. **Q1**
173. PAVELIĆ J., PAVELIĆ LJ., KARADŽA J., KRIŽANAC Š., UNEŠIĆ J., SPAVENTI Š., PAVELIĆ K.: Insulin-like growth factor family and combined antisense approach in therapy of lung carcinoma. **Molecular Medicine** 8:149-157, 2002. **Q1**
174. PEĆINA-ŠLAUS N., GALL-TROŠELJ K., KAPITANOVIĆ S., PAVELIĆ J., PAVELIĆ K.: Novel alleles of the D16S752 polymorphic genetic marker linked to E-Cadherin Gene – A potential population marker. **Coll. Antropol.** 26:85-88, 2002. **Q2**
175. PAVELIĆ K., BUKOVIĆ D., PAVELIĆ J.: The role of insulin-like growth factor 2 and its receptors in human tumors. Review. **Molecular Medicine**, 8:771-780, 2002. **Q1**
176. DOGAN-KORUŽNJAK J., SLADE N., ZAMOLA B., PAVELIĆ K., KARMINSKI-ZAMOLA G.: Synthesis, photochemical synthesis and antitumor evaluation of novel derivatives of thieno(3',2':4,5)thieno(2,3-c)quinolones. **Chem. Pharm. Bull.**, 50:656-660, 2002. **Q2**
177. COLIC M., PAVELIC K.: Molecular, cellular and medical aspects of the action of nutraceuticals and small molecules therapeutics: from chemoprevention to new drug development. **Drugs Exptl. Clin. Res.** 26:169-175, 2002.

178. COLIC M., PAVELIC K.: Cellular mechanisms of immunomodulatory activities of silicate materials. **J. Tumour Marker Oncol.**, 18:63-68, 2002. [Q4](#)
179. DZOLIC Z., KRISTOFOR V., CETINA M., NAGL A., HERGOLD-BRUNDIC D., MRVOS-SERMEK T., BURGEMEISTER M., GRDISA N., SLADE K., PAVELIC K., BALZARINI J., DECLERCQ E., MINTAS M.: Synthesis, structural studies and biological evaluation of some purine substituted 1-aminocyclopropane-1-carboxylic acids and 1-amino-1-hydroxymethylcyclopropanes. **Nucleosides Nucleotide & Nucleic Acid** 22:373-389, 2003. [Q2](#)
180. ZARKOVIC N., ZARKOVIC K., KRALJ M., BOROVIĆ S., SABOLOVIC S., POLJAK BLAZI M., CIPAK A., PAVELIC K.: Anticancer and antioxidative effects of micronized zeolite clinoptilolite. **Anticancer Res.** 23:1589-1596, 2003. [Q2](#)
181. DZOLIC Z., CETINA M., KOVACEK D., HERGOLD-BRUNDIC A., MRVOS-SERMEK D., NAGL A., SLADE N., PAVELIC K., BALZARINI J., DE CLERCQ E., ZERBE O., FOLKERS G., SCAPOZZA L., MINTAS M.: Molecular structures and ab initio molecular orbital calculations of the optically active derivatives of 1-aminocyclopropane-1-carboxylic acid. **J. Mol. Struct.** 655:229-241, 2003. [Q3](#)
182. SARIC T., MULLER D., SEITZ H.J., PAVELIC K.: Non-covalent interaction of ubiquitin with insulin-degrading enzyme. **Mol. Cell. Endocrinol.** 204:11-20, 2003. [Q1](#)
183. DOGAN KORUZNJAK J., GRDISA M., SLADE N., ZAMOLA B., PAVELIC K., KARMINSKI-ZAMOLA G.: Novel derivatives of benzo(b)thienol(2,3-c)quinolones: synthesis, photochemical synthesis and antitumor evaluation. **J. Med. Chem.** 46:4516-4524, 2003. [Q1](#)
184. KRALJ M., PAVELIĆ K.: Medicine on a small scale. How molecular medicine can benefit from self-assembled and nanostructured materials? **EMBO Rep.** 4: 1008-1012, 2003. [Q1](#)
185. HRANJEC M., GRDIŠA M., PAVELIĆ K., BOYKIN D.W., KARMINSKI-ZAMOLA G.: Synthesis and antitumor evaluation of some new substituted amidino-benzimidazolyl-furyl-phenyl-acrylates and naphthol/2,1,-b/furan-carboxylates. **Farmaco** 58:1319-1324, 2003. [Q2](#)
186. PAVELIC K., KOLAK T., KAPITANOVIC S., RADOSEVIC S., SPAVENTI S., KRUSLIN B., PAVELIC J.: Gastric cancer: the role of insulin-like growth factor 2 (IGF 2) and its receptors (IGF 1R and M6-P/IGF 2R). **J. Pathol.** 201:430-438, 2003. [Q1](#)
187. PREKUPEC S., SVEDRUŽIĆ D., GAZIVODA T., MRVOŠ-SERMEK D, NAGL A., GRDIŠA M., PAVELIĆ K., BALZARINI J., DECLERCQ E., FOLKERS G., SCAPOZZA L., MINTAS M., RAIĆ-MALIĆ S.: Synthesis and biological evaluation of iodinated and fluorinated 9-(2-hydroxypropyl) and 9-(2-hydroxyethoxy)methyl purine nucleoside analogues. **J. Med. Chem.**, 46:5763-5772, 2003. [Q1](#)
188. PAVELIĆ K., HADŽIJA M.: Medical application of zeolites. In: **Handbook of Zeolite Science and Technology**. (edited by Auerbach S.M., Carrado K.A., Dutta P.K.) Marcel Dekker, New York, 1141-1172, 2003.
189. GRCE M., HUSNJAK K., MATOVINA M., MILUTIN N., MAGDIĆ L., HUSNJAK K., PAVELIC, K.: Human papillomavirus, cytomegalovirus, and adeno-associated virus infections in pregnant and nonpregnant women with cervical intraepithelial neoplasia. **J. Clin. Microbiol.** 42:1341-1344, 2004. [Q1](#)

190. POPOVIĆ-HADŽIJA M., RADOŠEVIĆ S., KOVAČEVIĆ D., LUKAČ J., HADŽIJA M., SPAVENTI R., PAVELIĆ K., KAPITANOVIĆ S.: Status of the DPC4 tumor suppressor gene in sporadic colon adenocarcinoma of Croatian patients: identification of a novel somatic mutation. **Mutation Res.** 548:61-73, 2004. [Q1](#)
191. RAIC-MALIC.S., TOMASKOVIC L., MRVOS-SERMEK D., PRUGOVECKI B., CETINA M., GRDISA M., PAVELIC K., MANNSCHRECK A., BALZARINI J., DE CLERCQ E., MINTAS M.: Spirobipyridopyrans, spirobinaphthopyrans, indolinospiropyridopyrans, indolinospironaphthopyrans and indolinospironaphtho-1,4-oxazines: synthesis, study of X-ray crystal structure, antitumoral and antiviral evaluation. **Bioorganic Medicinal Chemistry** 12: 1037-1045, 2004. [Q1](#)
192. KOWANETZ K., HUSNJAK K., HOLLER D., KOWANETZ M., SOUBEZTRAN P., HIRSCH D., SCHMIDT M.H.H., PAVELIC K., DE CAMILLI P., RANDAZZO P.A., DIKIC I.: CIN85 associates with multiple effectors controlling intracellular trafficking of EGF receptors. **Mol. Biol. Cell.**, 15:3155-3166, 2004. [Q1](#)
193. ČALETA I., GRDIŠA M., MRVOŠ-SERMEK D., CETINA M., TRALIĆ-KULENOVIĆ V., PAVELIĆ K., KARMINSKI-ZAMOLA G.: Synthesis, crystal structure and antiproliferative evaluation of some new substituted benzothiazoles and styrylbenzothiazoles. **Il Farmaco.** 59:297-305, 2004. [Q2](#)
194. PEĆINA-ŠLAUS N., GALL-TROŠELJ K., ŠLAUS M., RADIĆ K., NIKUŠEVA-MARTIĆ T., PAVELIĆ K.: Genetic changes of the E-cadherin and APC tumor suppressor genes in clear cell renal cell carcinoma. **Pathology** 36: 1-7, 2004. [Q1](#)
195. KRALJEVIC S., STAMBROOK P.J., PAVELIC K.: Accelerating drug discovery. **EMBO Rep.** 5: 837-842, 2004. [Q1](#)
196. BATINAC S., MRVOŠ SERMEK D., CETINA M., PAVELIĆ K., MINTAS M., RAIĆ-MALIĆ S.: Synthesis of the novel bicyclic oxepinopyrimidine and fluorinated pyrrolidinopyrimidines. **Heterocycles**, 63:2523-2536, 2004. [Q3](#)
197. KAPITANOVIĆ S., ČAČEV T., RADOŠEVIĆ S., SPAVENTI Š., SPAVENTI R., PAVELIĆ K.: APC gene loss of heterozygosity, mutations, E1317Q, and I1317K germ-line variants in sporadic colon cancer in Croatia. **Exp. Mol. Pathol.** 77:193-200, 2004. [Q1](#)
198. POPOVIĆ-HADŽIJA M., HRAŠČAN R., HERAK-BOSNAR M., ZELJKO Ž., HADŽIJA M., ČADEŽ J., PAVELIĆ K., KAPITANOVIĆ S.: Infrequent alterations of the DPC4 tumor-suppressor gene in renal cell carcinoma. **Urolog. Res.** 32:229-235, 2004.
199. KAPITANOVIĆ S., ČAČEV T., BERKOVIĆ M., POPOVIĆ-HADŽIJA M., RADOŠEVIĆ S., SEIWERTH S., SPAVENTI Š., PAVELIĆ K., SPAVENTI R.: nm23-H1 expression and loss of heterozygosity in colon adenocarcinoma. **J. Clin. Pathol.** 57: 1312-1318, 2004. [Q1](#)
200. JARAK I., KRALJ M., ŠUMAN L., PAVLOVIĆ G., DOGAN J., PAVELIĆ K., KARMINSKI-ZAMOLA G.: 2-carboxanilides and benzo(b) thieno(2, 3-c)quinolones: synthesis, photochemical synthesis, crystal structure determination and antitumor evaluation. Part 2. **J. Med. Chem.** 48:2346-2360, 2005. [Q1](#)
201. PREKUPEC S., KALOKIRA B., GRDIŠA M., PAVELIĆ K., DECLERCQ E., MINTAS M., RAIĆ-MALIĆ S. Synthesis and comparative cytostatic activity of the new N-7 acyclic purine nucleoside analogues with natural N-9 regioisomers. **Heterocycles** 65:787-797, 2005. [Q3](#)

202. OPAČIĆ N., BARBARIĆ M., ZORC B., CETINA M., NAGL A., FRKOVIĆ D., KRALJ M., PAVELIĆ K., BALZARINI J., ANDREI G., SNOECK R., DE CLERCQ E., RAIĆ-MALIĆ S., MINTAS M.: The novel L- and D-amino acid derivatives of hydroxyurea and hydantoins: synthesis, X-ray crystal structure study, cytostatic and antiviral evaluations. **J. Med. Chem.**, 48:475-482, 2005. **Q1**
203. PAVELIĆ J., KRIŽANAC Š., KAPITANOVIĆ S., PAVELIĆ LJ., SAMARŽIJA M., PAVIČIĆ F., SPAVENTI Š., JAKOPOVIĆ M., HERCEG-IVANOVI Z., PAVELIĆ K.: The consequences of insulin-like growth factors/receptors dysfunction in lung cancer. **Am. J. Respir. Cell Mol. Biol.**, 32: 65-71, 2005. **Q1**
204. KRALJ M., KRALJEVIĆ S., SEDIĆ M., KURJAK A., PAVELIĆ K.: Global approach to perinatal medicine: functional genomics and proteomics. **J. Perin. Med.**, 33 : 5-16, 2005. **Q2**
205. GRCE M., PAVELIĆ K.: Antiviral properties of clinoptilolite . **Micropor. Mesopor. Mater.**, 79:165-169, 2005. **Q1**
206. GAZIVODA T., PLEVNIK M., PLAVEC J., KRALJEVIĆ S., KRALJ M., PAVELIĆ K., BALZARINI J., DE CLERCQ E., MINTAS M., RAIĆ-MALIĆ S.: The novel pyrimidine and purine derivatives of L-ascorbic acid: synthesis, one- and two-dimensional ¹H and ¹³C NMR study, cytostatic and antiviral evaluation. **Biorg. Med. Chem.** 13: 131-139, 2005. **Q1**
207. BARBARIĆ M., URŠIĆ S., PILEPIĆ V., ZORC B., HERGOLD-BRUNDIĆ A., NAGL A., GRDIŠA M., PAVELIĆ K., SNOECK R., ANDREI G., BALZARINI J., DECLERCQ E., MINTAS M.: Synthesis, X-ray cristal structure study, cytostatic and antiviral evaluation of the novel cycloalkyl-N-aryl-hydroxamic acids. **J. Med Chem** , 48:884-887, 2005. **Q1**
208. PREKUPEC S., MAKUC D., PLAVEC J., KRALJEVIĆ S., KRALJ M., PAVELIĆ K., ANDREI G., SNOECK R., BALZARINI J., DECLERCQ E., RAIĆ-MALIĆ S., MINTAS M.: The novel 5-methyl 6-acyclic chain substituted pyrimidine derivatives: synthesis, ¹H and ¹³C NMR conformational analysis, antiviral and cytostatic evaluation. **Antiviral Chemistry. Chemotherapy.**, 16:327-338, 2005. **Q2**
209. SIROTKOVIĆ-SKERLEV M., KRIŽANAC S., KAPITANOVIĆ S., HUSNJAK K., UNUŠIĆ J., PAVELIĆ K.: Expression of c-myc, erbB-2, p53 and nm23-H1 gene product in benign and malignant breast lesion: Coexpression and correlation with clinicopathologic parameters. **Exp. Mol. Pathol.** 79 : 42-50, 2005. **Q1**
210. ČAČEV T., RADOŠEVIĆ S., SPAVENTI R., PAVELIĆ K., KAPITANOVIĆ S.: NF1 gene loss of heterozygosity and expression analysis in sporadic colon cancer. **Gut**, 54:1129-1135, 2005. **Q1**
211. KRALJEVIĆ S. PAVELIĆ K.: Navigare necesse est. **EMBO Rep** 6 : 695-700, 2005. **Q1**
212. PAVELIĆ K., ETRA A., GALL-TROSELJ K.: Insights from the front lines of nutraceutical research: The Third International Conference on Mechanisms of Action of Nutraceuticals (ICMAN 3). **J. Altern. Complem. Med.** 11: 735-738, 2005. **Q1**
213. MALOJČIĆ G., PIANTANIDA I., MARINIĆ, M., ŽINIĆ M., MARJANOVIĆ M., KRALJ M., PAVELIĆ K., SCHNEIDER-H.-J. : A novel bis-phenanthridine triamine with pH

- controlled binding to nucleotides and nucleic acid. **Org. Biomol. Chem.** 3:4373-4381,2005. **Q1**
214. KRALJEVIĆ S., SEDIĆ M., PAVELIĆ K.: Cancer research meets functional genomics – what has been accomplished so far? In: **Molecular diagnostic in medicine**. (edited by Luzar B., Poljak M., Glavač D., Balažic J.) Faculty of Medicine University of Ljubljana, Ljubljana, Slovenia 99-108, 2005.
215. KAPITANOVIĆ S., ČAČEV T., ANTICA M., KRALJ M., CAVRIĆ G., PAVELIĆ K., SPAVENTI R.: Effect of indometacin on *E-cadherin* and β -*catenin* expression in HT-29 colon cancer cells. **Exp. Mol. Pathol.** 80:91-96, 2006. **Q1**
216. ČAČEV T., JOKIĆ M., SPAVENTI R., PAVELIĆ K., KAPITANOVIĆ S.: Loss of heterozygosity testing using real-time PCR analysis of single nucleotide polymorphism. **J. Canc. Res. Clin. Oncol.** 132:200-204,2006 **Q2**
217. KATIC M., BOŠNJAK B., GALL-TROŠELJ K., DIKIC I., PAVELIC K.: A clinoptilolite effect on cell media and the consequent effects on tumor cells in vitro. **Front. Biosci.** 11:1722-1732, 2006. **Q1**
218. GAZIVODA T., WITTINE K., LOVRIĆ I., MAKUC D., PLAVEC J., CETINA M., MRVOS-SERMEK D., SUMAN L., KRALJ M., PAVELIC K., MINTAS M., RAIC-MALIC S.: Synthesis, structural studies, and cytostatic evaluation of 5,6-di-O-modified L-ascorbic acid derivatives. **Carbohydrate Res.** 341:433-442, 2006. **Q2**
219. JARAK I., KRALJ M., PIANTANIDA I., SUMAN L., ZINIC M., PAVELIC., KARMINSKI-ZAMOLA G.: Novel cyano- and amidino-substituted derivatives of thieno(2,3-b)- and thieno(3,2-b)thiophene-2-carboxanilides and thieno(3',2':4,5)thieno- and thieno(2',3':4,5)thieno(2,3-c)quinolones: Synthesis, photochemical synthesis, DNA binding, and antitumor evaluation. **Bioorgan. Med. Chem.** , 14: 2859-2868, 2006. **Q1**
220. STARČEVIĆ K., KRALJ M., PIANTANIDA I., ŠUMAN L., PAVELIĆ K., KARMINSKI-ZAMOLA G.: Synthesis, photochemical synthesis, DNA binding and antitumor evaluation of novel cyano-and amidino-substituted derivatives of naphtho-furans, naphtho-thiophenes, thieno-benzofurans, benzo-dithiophenes and their acyclic precursors. **Europ. J. Med. Chem.** , 41: 925-939, 2006 **Q1**
221. PAVELIĆ K., PRIMORAC D., VUK-PAVLOVIĆ S.: Integrating new countries into the European Research Area. **EMBO Rep.** , 7 : 458-462, 2006. **Q1**
222. PAVELIĆ K., DEDIVITIS R.A., KAPITANOVIĆ S., ČAČEV T., GUIRADO C.R., DANIC D., RADOSEVIC S., BRKIC K., PEGAN B., KRIZANAC S., KUSIC Z., SPAVENTI S., BURA M.: Molecular genetic alterations of FHIT and p53 genes in benign and malignant thyroid gland lesions. **Mutation Res.** 599: 45-57, 2006. **Q1**
223. KRALJEVIC S., SEDIC M., SCOTT M., GEHRING P., SCHLAPBACH R., PAVELIC K.: Casting light on molecular events underlying anti-cancer drug treatment: What can be seen from the proteomic point of view? **Cancer Treat. Rev.** 32:619-629, 2006. **Q1**
224. KOLUNDŽIĆ R., ORLIĆ D., TRKULJA V., PAVELIĆ K., GALL-TROŠELJ K.: Single nucleotide polymorphism in the interleukin-6 gene promoter, tumor necrosis factor- α gene promoter, and transforming growth factor- β 1 gene signal sequence as predictors of time to onset of aseptic loosening after total hip arthroplasty:preliminary study. **J. Orthop. Sci.** 11:592-600, 2006. **Q2**

225. RAJIC Z., ZORC B., RAIC-MALIC S., ESTER K., KRALJ M., PAVELIC K., BALZARINI J., DECLERCQ E., MINTAS M.: Hydantoin derivatives of L- and D-amino acids: Synthesis and evaluation of their antiviral and antitumoral activity. **Molecules** 11:837-848, 2006. **Q1**
226. GAZIVODA T., RAIĆ-MALIĆ S., MARJANOVIĆ M., KRALJ M., PAVELIĆ K., BALZARINI J., DECLERCQ E., MINTAS M.: The novel C-5 aryl, alkenyl substituted uracil derivatives of L-ascorbic acid: Synthesis, cytostatic, and antiviral activity evaluations. **Bioorganic Med. Chem.**, 15:749-758, 2007. **Q1**
227. BARBARIĆ M., KRALJ M., MARJANOVIĆ M., HUSNJAK I., PAVELIĆ K., FILIPOVIĆ-GRČIĆ J., ZORC D., ZORC B.: Synthesis and in vitro antitumor effect of diclofenac and fenoprofen thiolated and nonthiolated polyaspartamide-drug conjugates. **Europ. J. Med. Chem** 42:20-29, 2007. **Q1**
228. KRIŠTAFOR V, RAIĆ-MALIĆ S, CETINA M, KRALJ M, ŠUMAN L, PAVELIĆ K, BALZARINI J, DECLERCQ E, MINTAS M. Synthesis, X-ray crystal structural study, antiviral and cytostatic evaluations of the novel unsaturated acyclic and epoxide nucleoside analogues. **Bioorganic Med. Chem** 14:8126-8138, 2006. **Q1**
229. SIROTKOVIĆ-SKERLEV M., CACEV T., KRIZANAC S., KULIĆ A., PAVELIC K., KAPITANOVIC S.: TNF alpha promoter polymorphism analysis in benign and malignant breast lesions. **Exp. Mol. Pathol.** 83:54-58 (2007) **Q1**
230. STARČEVIĆ K., KRALJ M., ESTER K., SABOL I., GRCE M., PAVELIĆ K., KARMINSKI-ZAMOLA G.: Synthesis, antiviral and antitumor activity of 2-substituted-5-amidino-benzimidazoles. **Bioorganic Med. Chem.** 15:4419-4426, 2007. **Q1**
231. PREKUPEC S., MAKUC D., PLAVEC J., ŠUMAN L., KRALJ M., PAVELIĆ K., BALZARINI J., DE CLERCQ E., MINTAS M., RAIĆ-MALIĆ S. Novel C-6 fluorinated acyclic side chain pyrimidine derivatives: synthesis, ¹H and ¹³C NMR conformational studies, and antiviral and cytostatic evaluation. **J. Med. Chem** 50:3037-3045, 2007. **Q1**
232. GAZIVODA T., ŠOKČEVIĆ M., KRALJ M., ŠUMAN L., PAVELIĆ K., DECLERCQ E., ANDREI G., SNOECK R., BALZARINI J., MINTAS M., RAIĆ-MALIĆ S.: 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. **J. Med. Chem.** 50:4105-4112, 2007. **Q1**
233. HRANJEC M., KRALJ M., PIANTANIDA I., SEDIĆ M., ŠUMAN L., PAVELIĆ K., KARMINSKI-ZAMOLA G.: Novel cyano- and amidino-substituted derivatives of styryl-2-benzimidazoles and benzimidazol/1,2-quinolines. Synthesis, photochemical synthesis, DNA-binding, and antitumor evaluation, Part 3. **J. Med. Chem.** 50:5696-5711, 2007. **Q1**
234. PAVELIC J, RADA KOVIC B, PAVELIC K: Insulin-like growth factor 2 and its receptors (IGF 1R and IGF 2R/mannose 6-phosphate) in endometrial adenocarcinomas. **Gynecol. Oncol.** 105:727-735, 2007. **Q1**
235. GAZIVODA T., RAIĆ-MALIĆ S., KRIŠTAFOR V., MAKUC D., PLAVEC J., BRATULIĆ S., KRALJEVIĆ PAVELIĆ S., PAVELIĆ K., NAESSENS L., ANDREI G., SNOECK R., BALZARINI J., MINTAS M.: Synthesis, cytostatic and anti-HIV evaluations of the new unsaturated acyclic C-5 pyrimidine nucleoside analogues. **Bioorganic Med. Chem.**, 16:5624-5634, 2008. **Q1**
236. DŽIMBEG G., ZORC B., KRALJ M., ESTER K., PAVELIĆ K., ANDREI G., SNOECK R., BALZARINI J., DE CLERCQ E., MINTAS M.: The novel primaquine derivatives

- of N-alkyl, cycloalkyl or aryl urea: Synthesis, cytostatic and antiviral activity evaluations. **Europ. J. Med. Chem.** 43:1180-1187, 2008. [Q1](#)
237. MALČIĆ A., JUKIĆ S., NAIĆ I., PAVELIĆ B., KAPITANOVIĆ S., KRUŠLIN B., PAVELIĆ K.: Alterations of FHIT and P53 genes in keratocystic odontogenic tumor, dentigerous and radicular cyst. **J. Oral. Pathol. Med.** 37:294-301, 2008. [Q2](#)
238. HRAŠČAN R., PEĆINA-ŠLAUS N., MARTIĆ T.N., ČOLIĆ J.F., GALL-TROŠELJ K., PAVELIĆ K., KARAPANDŽA N.: Analysis of selected genes in neuroendocrine tumors: insulinomas and pheochromocytomas. **J. Neuroendocr.**, 20:1-8, 2008. [Q1](#)
239. SEDIĆ M, POZNIĆ M, GEHRIG P, SCOTT M, SCHLAPBACH R, HRANJEC M, KARMINSKI-ZAMOLA G, PAVELIĆ K, KRALJEVIĆ PAVELIĆ S: Differential antiproliferative mechanisms of novel derivative of benzimidazol /1,2-□/quinoline in colon cancer cells depending on their p53 status. **Mol. Cancer Ther.** 7:2121-2132, 2008. [Q1](#)
240. PERKOVIĆ, I., BUTULA I., ZORC B., HOCK K., KRALJEVIĆ PAVELIĆ S., PAVELIĆ K., DE CLERCQ E., BALZARINI J., MINTAS M. Novel lipophilic hydroxyurea derivatives: synthesis, cytostatic and antiviral activity evaluations. **Chem. Biol. Drug. Des.** 71:546-553, 2008. [Q2](#)
241. BOŠNJAK H., PAVELIĆ K., KRALJEVIĆ PAVELIĆ S.: Towards preventive medicine. High-throughput methods from molecular biology are about to change daily clinical practice. **EMBO Rep.** 9:1056-1060. 2008. [Q1](#)
242. HRANJEC M, PIANTANIDA I, KRALJ M, ŠUMAN L, PAVELIĆ K, KARMINSKI-ZAMOLA G: Novel amidino-substituted thienyl- and furylvinylbenzimidazole: Derivatives and their photochemical conversion into corresponding diazacyclopenta(c)fluorenes. Synthesis, interactions with DNA and RNA, and antitumor evaluation 4. **J. Med. Chem.** 51:4899-4910, 2008. [Q1](#)
243. KRALJEVIĆ PAVELIĆ S, SEDIĆ M, HOCK K, VUČINIĆ S, JURIŠIĆ D, GEHRIG P, SCOTT M, SCHLAPBACH R, ČAČEV T, KAPITANOVIĆ S, PAVELIĆ S: An integrated proteomics approach for studying the molecular pathogenesis of Dupuytren's disease. **J. Pathol.** 217:524-533, 2009. [Q1](#)
244. ESTER K, HRANJEC M, PIANTANIDA I., ČALETA I, JARAK I, PAVELIĆ K, KRALJ M, KARMINSKI-ZAMOLA G.: Novel derivatives of pyridylbenzol/b/thiophene-2-carboxamides and benzo/b/thienol/2,3-c/napthyridin-2-ones: Minor structural variations provoke major differences of antitumor action mechanisms. **J. Med. Chem.** 52:2482-2492, 2009. [Q1](#)
245. ČALETA I, KRALJ M, MARJANOVIĆ M, BERTOŠA B, TOMIĆ S, PAVLOVIĆ G, PAVELIĆ K, KARMINSKI-ZAMOLA G.: Novel cyano- and amidinobenzothiazolo derivatives: synthesis, antitumor evaluation, and X-ray and quantitative structure – Activity relationship (QSAR) analysis. **J. Med. Chem.** 52:1744-1756, 2009. [Q1](#)
246. RAJIC Z, BUTULA I, ZORC B, KRALJEVIĆ PAVELIĆ S, HOCK K, PAVELIĆ K., DECLERCQ E, BALZARINI JH, PRZYBOROWSKA M, OSSOWSKI T, MINTAS M: Cytostatic and antiviral activity evaluations of hydroxamic derivatives of some non-steroidal anti-inflammatory drugs. **Chem. Biol. Drug. Des.** 73:328-338, 2009. [Q2](#)
247. RADULESCU RT, POZNIĆ M, PAVELIĆ K. (2009) Complex formation between metabolic enzymes in tumor cells: unfolding the MDR1-IDE paradigm. **Mol. Cancer Ther.** 8:3171-3172, 2009. [Q1](#)

248. KRALJEVIĆ PAVELIĆ S, BRATULIĆ S, HOCK K, JURIŠIĆ D, HRANJEC M, KARMINSKI-ZAMOLA G, ŽINIĆ B, BUJAK M, PAVELIĆ K: Screening of potential prodrugs on cells derived from Dupuytren's disease patients. **Biomed. Pharmacother.** 63:577-585, 2009. [Q2](#)
249. SEDIC M, JURISIC D, STANEC Z, HOCK K, PAVELIC K, KRALJEVIC PAVELIC S.: Functional genomics in identification of drug targets in Dupuytren's contracture. **Frontiers Biosci.** 15:57-64, 2010. [Q1](#)
250. RATKAJ I, ŠTAJDUHAR E, VUČINIĆ S, SPAVENTI Š, BOŠNJAK H, PAVELIĆ K, KRALJEVIĆ PAVELIĆ S. Integrated gene networks in breast cancer development. **Functional & Integrative Genomics**, 15:57-64, 2010. [Q2](#)
251. BENCI K, WITTINE K, RADAN M, CETINA M, SEDIC M, KRALJEVIC PAVELIC S, PAVELIC K, DE CLERCQ E, MINTAS M: The unsaturated acyclic nucleoside analogues bearing a sterically constrained (Z)-4'-benzamido-2'-butenyl moiety: Synthesis, X-ray crystal structure study, cytostatic and antiviral activity evaluations. **Bioorganic. Med. Chem.** 18:6349-6257, 2010. [Q1](#)
252. KRALJEVIĆ PAVELIĆ S, SEDIĆ M, POZNIĆ M, RAJIĆ Z, ZORC B, PAVELIĆ K, BALZARINI J, MINTAS M. Evaluation of *in vitro* biological activity of O-alkylated hydroxamic derivatives of some nonsteroidal anti-inflammatory drugs. **Anticancer Res.** 30:3987--3994, 2010. [Q2](#)
253. RACANE L, TRALIĆ-KULENOVIĆ V, KRALJEVIĆ PAVELIĆ S, RATKAJ I, PEIXOTO P, NHILI R, DEPAUW S, HILDEBRAND M-P, DAVID-CORDONNIER M-H, PAVELIĆ K, KARMINSKI-ZAMOLA G: Novel diamidino-substituted derivatives of phenyl-benzothiazolyl- and dibenzothiazolyl furans and thiophenes: synthesis, antiproliferative and DNA binding properties, **J. Med. Chem**, 53 : 2418-2432., 2010. [Q1](#)
254. KOZARIĆ-KOVAČIĆ, D.; PAVELIĆ, K.; FILIPAC, V.; CINDRIĆ, M.; VUČINIĆ, S.; KRALJEVIĆ PAVELIĆ, S., "Proteomics and Posttraumatic Stress Disorder (PTSD)" // Coping with Posttraumatic Stress Disorder in Returning Troops: Wounds of War II / Wiederhold, Brenda, K ; (ur.). Amsterdam, Berlin, Tokio, Washington D.C. : IOS Press, Str. 57-61, 2010.
255. SEDIC M, KRALJEVIC PAVELIC S, CINDRIC M, PERONJA M, WISSERS H, JOSIC D, CUK M, FUMIC K, BARIC I, PAVELIC K Plasma biomarker identification in S-adenosylhomocysteine hydrolase deficiency. **Electrophoresis.** 32:1970-1975, 2011. [Q1](#)
256. KOLUNDŽIĆ R, TRKULJA V, MIKOLAUCIĆ M, KOLUNDŽIĆ M, PAVELIĆ KRALJEVIC S, PAVELIĆ K: Association of interleukin-6 and transforming growth factor-β1 gene polymorphisms with developmental hip dysplasia and severe adult hip osteoarthritis: a preliminary study. **Cytokines**, 54:125-128, 2011. [Q1](#)
257. KRALJEVIC PAVELIC S, SEDIC M, BOSNJAK H, SPAVENTI S, PAVELIC K: Metastasis: new perspectives on an old problem. **Molecular Cancer**, 10:22-36, 2011. [Q1](#)
258. WITTINE K, BENCI K, KRALJEVIĆ PAVELIĆ S, PAVELIĆ K, BRATULIĆ S, HOCK K, BALZARINI J, MINTAS M. Synthesis, cytostatic and antiviral activity evaluation of the novel acyclic nucleoside analogues containing a sterically constrained (Z)-4-amino-2-butenyl moiety. **Med. Chem. Res.** 20:280-287, 2011. [Q1](#)

259. WITTINE K, STIPKOVIĆ BABIĆ M, KOŠUTIĆ M, CETINA M, RIASSEN K, KRALJEVIĆ PAVELIĆ S, TOMLJENOVIC PARAVIĆ A, SEDIĆ M, PAVELIĆ K, MINTAS M.: The new 5- or 6-azapyrimidine and cyanic acid derivatives of L-ascorbic acid bearing the free C-5 hydroxy or C-4 group at the ethylenic spacer: CD-spectral absolute configuration determination and biological activity evaluations. **Europ. J. Med. Chem.** 46:2770-2785, 2011. [Q1](#)
260. HRANJEC M, STARČEVIĆ K, PAVELIĆ KRALJEVIĆ S, LUČIN P, PAVELIĆ K, KARMINSKI-ZAMOLA G: Synthesis, spectroscopic characterization and antiproliferative evaluation in vitro of novel Schiff bases related to benzimidazoles. **Europ. J. Med. Chem.** 46:2274-2279, 2011. [Q1](#)
261. BENCI K, SUHINA T, MANDIĆ L, KRALJEVIĆ PAVELIĆ S, TOMLJENOVIC A, PAVELIĆ K, BALZARINI J, WITTINE K, MINTAS M: The novel 1,2,4-triazole and purine acyclic cyclopropane nucleoside analogues: Synthesis, antiviral and cytostatic activity potency evaluations. **Antiviral Chem. Chemother.** 21:221-230, 2011. [Q2](#)
262. HRANJEC M, LUCIC B, RATKAJ I, KRALJEVIĆ PAVELIĆ S, PIANTANIDA I, PAVELIĆ K, KARMINSKI-ZAMOLA G: Novel imidazo[4,5-b]pyridine and triaza-benzo[c]fluorene derivatives: Synthesis, antiproliferative activity and DNA binding studies. **Eur. J. Med. Chem.** 46: 2748-2758, 2011. [Q1](#)
263. WITTINE K, STIPKOVIĆ BABIĆ M, MAKUC D, PLAVEC J, KRALJEVIĆ PAVELIĆ S, SEDIĆ M, PAVELIĆ K, LEYSSEN P, NEYTS J, MINTAS M: The Novel 1,2,4-Triazole-3-carboxamide and imidazole derivatives of L-ascorbic acid: Synthesis, anti-HCV and antitumor activity evaluations. **Bioorganic Medicinal Chem.** 20:3675-3685, 2012. [Q1](#)
264. RACANE L, KRALJEVIĆ PAVELIĆ S, RATKAJ I, STEPANIĆ V, PAVELIĆ K, TRALIĆ-KULENOVIĆ V, KARMINSKI-ZAMOLA G. Synthesis and antiproliferative evaluation of some new amidino-substituted bis-benzothiazolyl-pyridines and pyrazine. **Eur. J. Med. Chem.** 55:108-116, 2012. [Q1](#)
265. RATKAJ I, BUJAK M, JURIŠIĆ D, BAUS L, SEDIĆ M, BENDELJA K., PAVELIĆ K, KRALJEVIĆ PAVELIĆ S: Microarray analysis of Dupuytren's disease cells: the profibrogenic role of the TGF- β inducible p38 MAPK pathway. **Cell. Physiol. Biochem.** 30:927-942, 2012. [Q2](#)
266. BENCI K, MANDIĆ L, SUHINA T, SEDIĆ M, KLOBUČAR M, KRALJEVIĆ PAVELIĆ S, PAVELIĆ K, WITTINE K, MINTAS M: Novel Coumarin Derivatives Containing 1,2,4-Triazole, 4,5-Dicyanoimidazole and Purine Moiety: Synthesis and Evaluation of Cytostatic Activity. **Molecules**, 17:11010-11025, 2012. [Q1](#)
267. MUNJAS JURKIĆ L, KRALJEVIĆ PAVELIĆ S, CEPANEC I, PAVELIĆ K. Zeolites and orthosilicic acid: new perspectives for therapy. **Nutrition & Metabolism**, 10:2 doi:10.1186/1743-7075-10-2, 2013. [Q1](#)
268. HRANJEC M, SOVIĆ I, RATKAJ I, PAVLOVIĆ G, ILIĆ N, VALJALO L, PAVELIĆ K, KRALJEVIĆ PAVELIĆ S, KARMINSKI-ZAMOLA G: Antiproliferative potency of novel benzofuran-2-carboxamides on tumor cell lines: cell death mechanisms and determination of crystal structure **Eur. J. Med. Chem.** 59:111-119, 2013. [Q1](#)
269. WITTINE K, POLJAK K, KOVAČ M, MAKUC D, PLAVEC J, BALZARINI J, MARTINOVIĆ T, KRALJEVIĆ PAVELIĆ S, PAVELIĆ K, MINTAS M: The novel 8,5-e)(1,3)diazepine-4,8-dione and acyclic carbamoyl imino-ureido derivatives of

- imidazole: Synthesis, anti-viral and anti-tumor activity evaluations. **Molecules** 18:13385-13397, 2013. [Q1](#)
270. ŠABAN N, STEPANIĆ V, VUČINIĆ S, HORVATIĆ A, CINDRIĆ M, PERKOVIĆ I, ZORC B, ORŠOLIĆ N, MINTAS M, PAVELIĆ K, KRALJEVIĆ PAVELIĆ C: Antitumor mechanisms of amino acid hydroxyurea derivatives. **Int. J. Mol. Sci.** 14:23654-23671, 2013. [Q1](#)
271. RACANE L, KRALJEVIC PAVELIC S, NHILI R, DEPAUW S, CONSTANT C-P, RATKAJ I, DAVID-CORDONNIER M-H, PAVELIC K, TRALIC-KULENOVIC V, KARMINSKI-ZAMOLA G: New anticancer active and selective phenylene-bisbenzothiazoles: Synthesis, Antiproliferative Evaluation and DNA binding. **Eur. J. Med. Chem.** 63:882-891, 2013. [Q1](#)
272. ŠTAJDUHAR E, SEDIĆ M, LENIČEK T, RADULOVIĆ P, KERENJI A, KRUŠLIN B, PAVELIĆ K, KRALJEVIĆ PAVELIĆ S: Expression of growth hormone receptor, plakoglobin and NEDD9 protein in association with tumour progression and metastasis in human breast cancer. **Tumor Biol.** 35:6425-6434, 2014. [Q3](#)
273. KAPITANOVIĆ S, ČAČEV T, LONČAR B, CATELA IVKOVIĆ T, KRIŽANAC Š, PAVELIĆ K: Reduced FHI expression is associated with tumor progression in sporadic colon adenocarcinoma. **Exp. Mol. Path.** 96:92-97, 2014. [Q1](#)
274. SEDIĆ M, PAVELIĆ K, JOSIĆ D, KRALJEVIĆ PAVELIĆ S Peptidomics to study age-related diseases: spotlight on cancer and neurodegeneration. **Peptidomics** 1:65-76, 2014.
275. IVANIŠEVIĆ MALČIĆ A, BREEN L, JOSIĆ D, JUKIĆ KRMEK S, DŽOMBETA T, MATIJEVIĆ J, GRGUREVIĆ L, PAVELIĆ K, KRUŠLIN B, KRALJEVIĆ PAVELIĆ: Proteomics profiling of keratocystic odontogenic tumours reveals AIDA as novel biomarker candidate. **J Oral Pathol Med.** DOI: 10.1111/jop.12239, 2014. [Q2](#)
276. ŠALE S, PAVELIĆ K: Mammary Lineage Tracing: The Coming of Age. **J. Cell. Mol. Life Sci.** 72:1577-1583, 2015. [Q1](#)
277. PAVELIĆ K, MARTINOVIĆ T, KRALJEVIĆ PAVELIĆ S: Do we understand the personalized medicine paradigm? **EMBO Rep** 16:133-136, 2015. [Q1](#)
278. MARTINOVIĆ T, PAVELIĆ K: Stem cells and regenerative medicine: scientific, political and social aspects. **Period Biol** 117:5-10, 2015. [Q3](#)
279. KRALJEVIĆ PAVELIĆ S, KLOBUČAR M, SEDIĆ M MICEK V, GEHRIG P, GROSSMAN J, PAVELIĆ K, VOJNIKOVIĆ B: UV-induced retinal proteome changes in the rat model of age-related macular degeneration. **BBA - Mol Basis Dis,** 1852:1833-2012, 2015. [Q1](#)
280. STIPKOVIĆ BABIĆ M, MAKUC D, PLAVEC J, MARTINOVIĆ T, KRALJEVIĆ PAVELIĆ S, PAVELIĆ K, SNOECK R, ANDREI G, SCHOLS D, WITTINE K, MINTAS M: Novel halogenated 3-deazapurine, 7-deazapurine and alkylated 9-deazapurine derivatives of l-ascorbic or imino-l-ascorbic acid: Synthesis, antitumour and antiviral activity evaluations. **Eur. J. Med. Chem.** 102:288–302, 2015. [Q1](#)
281. BUJAK M, RATKAJ I, MARKOVA-CAR E, JURIŠIĆ D, HORVATIĆ A, VUČINIĆ S, LERGA J, BAUS-LONČAR M, PAVELIĆ K, KRALJEVIĆ PAVELIĆ S: Inflammatory gene expression upon TGF-β1-Induced p38 activation in primary Dupuytren's disease fibroblasts. **Frontiers Bio. Sci.** 2:1-9, 2015. [Q1](#)

282. WITTINE K, RATKAJ I, BENCI K, SUHINA T, MANDIĆ L, ILIĆ N, KRALJEVIĆ PAVELIĆ S, PAVELIĆ K, MINTAS M (2016): The novel coumarin (3,2.c)thiophene and its hydroxamic acid and ureido derivatives: synthesis and cytostatic activity evaluations. **Med. Chem. Res.** 25:728-737, 2016. **Q1**
283. KLOBUČAR M, SEDIĆ M, GEHRIG P, GROSSMANN J, BILIĆ M, KOVAČ BILIĆ L, PAVELIĆ K, PAVELIĆ KRALJEVIĆ S: Basement membrane protein lasimin-1 and the MIF-CD 44-β1 integrin signalling axis are implicated in laryngeal cancer metastases. **BBA - Mol Basis Dis**, 1862:1938-1954, 2016. **Q1**
284. PAVELIĆ K, PAVELIĆ KRALJEVIĆ S, SEDIĆ M: Personalized medicine: The path to new medicine.. In **Personalized Medicine. A New Medical and Societal Challenge**. Editors: Bodiroga-Vukobrat N, Rukavina D, Pavelić K, Sander G.G. Springer, Switzerland. 2: 1-19, 2016.
285. KLOBUČAR M, VISENTIN S, JAKOVČEVIĆ A, BILIĆ M, KOVAČ-BILIĆ L, ĐANIĆ D, PAVELIĆ K, KRALJEVIĆ PAVELIĆ S: Expression of polysialic acid in primary laryngeal squamous cell carcinoma. **Life Sciences**, 173:73-79, 2017. **Q1**
286. KRALJEVIĆ PAVELIĆ S, MICEK V, FILOŠEVIĆ A, GUMBAREVIĆ D, ŽURGA P, BULOG A, ORCT T, YAMAMOTO Y, PREOČANIN T, PLAVEC J, PETER R, PETRAVIĆ M, VIKIĆ-TOPIĆ D, PAVELIĆ K (2017): Novel, oxygenated clinoptilolite material efficiently removes aluminium from aluminium chloride-intoxicated rats in vivo. **Micropor Mesopor Mat** doi: 10.1016/j.micromeso.2017.04.062 249:146-156, 2017 **(Q1)**
287. MARTINOVIĆ T, ANDJELKOVIĆ U, KLOBUČAR M, ČERNIGOJ U, VIDIČ J, LUČIĆ M, PAVELIĆ K, JOSIĆ D. (2018) Affinity chromatography on monolithic supports for simultaneous and high-throughput isolation of immunoglobulins from human serum. **Electrophoresis**, 38: 2909-2913 **(Q2)**
288. PAVELIĆ K, KRALJEVIĆ PAVELIĆ S (2018). Need for a new medicine. In **Science and Religion. Synergy not Scepticism**. Editors: Kurjak A, Chervenak F, McCullough LB, Hasanovic A. Jaypee, New Delhi, London, Panama 185-195.