

Curriculum vitae: Prof. Andreja Ambriović-Ristov, PhD

Prof. Andreja Ambriović-Ristov, PhD, Senior Scientist with Tenure

Head of Laboratory for Cell Biology and Signalling

Ruđer Bošković Institute, Bijenička 54, 10000 Zagreb

Andreja.Ambriovic.Ristov@irb.hr

Mob: +385 91 565 3535

Name	Andreja
Surname	Ambriović-Ristov
Date of birth	28/10/1967
Place of birth	Zagreb, Croatia
Citizenship	Croatian
Current Position	Senior Scientist with Tenure, Head of Laboratory for Cell Biology and Signalling
Marriage status	married, daughter Ana (29 years)
Mother tongue:	Croatian
Other languages:	English, French

Qualifications

-primary and secondary school (V gymnasium), Zagreb, Croatia

-1995-1989 B. Sc. (clinical chemistry), Faculty of Pharmacy and Biochemistry, University of Zagreb, Zagreb, Croatia

-1991-1993 M. Sc. (biology), Faculty of Science, University of Zagreb, Zagreb, Croatia

-1997 Ph. D. (biology), Faculty of Science, University of Zagreb, Zagreb, Croatia; Thesis: "Influence of promoters on expression of pseudorabies virus glycoprotein D gene in immunization with plasmid and adenovirus vectors"

Positions and Employment

-1990, assistant, Division for Chemistry, Croatian Veterinary Institute, Zagreb, Croatia

-1991-1993, assistant, Laboratory for genotoxic agents, Division of Molecular Biology, Ruđer Bošković Institute, Zagreb, Croatia

-1993-1997, PhD student, Laboratory for genotoxic agents, Division of Molecular Biology, Ruđer Bošković Institute, Zagreb, Croatia

-1997-2001, Postdoctoral student, Laboratory for genotoxic agents, Division of Molecular Biology, Ruđer Bošković Institute, Zagreb, Croatia

-2001-2009, Research Associate Laboratory for genotoxic agents, Division of Molecular Biology, Ruđer Bošković Institute, Zagreb, Croatia

-2009-2014, Senior Research Associate, Laboratory for genotoxic agents, Division of Molecular Biology, Ruđer Bošković Institute, Zagreb, Croatia

-2014-2022, Senior Scientist, Laboratory for Cell Biology and Signalling, Division of Molecular Biology, Ruđer Bošković Institute, Zagreb, Croatia

-2022-, Senior Scientist with Tenure, Laboratory for Cell Biology and Signalling, Division of Molecular Biology, Ruđer Bošković Institute, Zagreb, Croatia

-2016-2022, Head of Division of Molecular Biology, Ruđer Bošković Institute, Zagreb, Croatia

-2016-, Head of Laboratory for Cell Biology and Signalling

-2022-, President of the Scientific Council - Biology

Training

- March-August 2001, postdoctoral fellowship *INRA*, Ecole Nationale Veterinaire D'Alfort, 7 avenue du General de Gaulle, 94704 Maisons Alfort, France
- June, 2000, *FEBS short term fellowship*, Ecole Nationale Veterinaire D'Alfort, 7 avenue du General de Gaulle, 94704 Maisons Alfort, France
- November 1994-August 1995; *French Government Fellowship*, Ecole Nationale Veterinaire D'Alfort, 7 avenue du General de Gaulle, 94704 Maisons Alfort, France
- September-October 1999; *French Government Fellowship*, Ecole Nationale Veterinaire D'Alfort, 7 avenue du General de Gaulle, 94704 Maisons Alfort, France

Scientific Interests

- cell biology/tumor biology: mechanisms of tumor cells resistance to antitumor drugs, integrin mediated resistance of tumor cells to antitumor drugs; adhesion of tumor cells by integrins, molecular composition of integrin adhesion complexes
- virology: adenovirus-vector vaccines; DNA vaccines; suid herpesvirus 1; genetical retargeting of adenovirus vectors through incorporation of short peptide motifs; basic biology of adenovirus infection

Publications

- author of 58 WoS publications, at 28 of these publications first and/or corresponding author
- citations WoS 1164; Google scholar 1938 (August, 2026)
- h index WoSCC 19; Google scholar 25 (August 2026)

Lectures

- *talks or invited lectures at international conferences and lectures in foreign institutions:*

- XII Annual Congress of the European Society of Gene Therapy, 2004, Tampere, Finland; lecture: „Vector for Tumor Gene Therapy through Inhibition of Angiogenesis: Adenoviruses Bearing NGR Motifs in the HI-Loop of Adenovirus Fiber Protein Bind Aminopeptidase N and $\alpha\beta3$ Integrins“.
- Ecole Nationale Veterinaire D'Alfort, 7 avenue du General de Gaulle, 94704 Maisons Alfort, France, 2004, lecture: „Human adenovirus type 5 retargeted on aminopeptidase N: a vector for tumor gene therapy through inhibition of angiogenesis“.
- Target Definition & Vector Design for Molecular Medicine, 2005, Cold Spring Harbor Laboratory, USA, lecture: „Vector for Tumor Gene Therapy through Inhibition of Angiogenesis: Adenoviruses Bearing NGR Motifs in the HI-Loop of Adenovirus Fiber Protein Bind Aminopeptidase N and $\alpha\beta3$ Integrins“.
- 1st Central European Forum for Microbiology (CEFORM), 2005, Keszthely, Hungary, lecture: „Vector for Tumor Gene Therapy through Inhibition of Angiogenesis: Adenovirus Bearing NGR Motifs in the HI-Loop of Adenovirus Fiber Protein Bind Aminopeptidase N and $\alpha\beta3$ Integrin“.
- 8th International Adenovirus Meeting, 2006, Zurich, Switzerland; lecture: „Differential role of alpha v integrin in internalization and transduction efficacies of wild type and RGD4C fiber-modified adenovirus“.
- Ecole Nationale Veterinaire D'Alfort, Maisons Alfort, France, 2007, lecture: „Adenovirus, integrins and cancer“.
- Adenoviruses: Basic Biology to Gene Therapy, Zadar, Croatia, 2008, lecture 1: „Integrin $\alpha\beta3$: link between resistance to cisplatin and adenovirus transduction efficacy“, lecture 2: „General Properties of Adenoviruses : Virus Structure and its Molecular Biology“.
- 9th International Adenovirus Meeting, 2009, Dobogóko, Hungary; lecture: „Changes in promoter activity in human laryngeal carcinoma cells resistant to vincristine are responsible for increased adenoviral transgene expression“.
- Centre de biophysique moléculaire - UPR 4301, Orleans, France, 2010, lecture: „The interplay of drug resistant tumors, integrins and adenoviruses“.
- The 9th Annual Workshop in System Biology Theme: Biomarkers, University of Skövde, 2014, Skövde, Sweden; lecture: „Integrin $\alpha\beta3$ -mediated resistance of tumor cells to chemotherapeutic drugs“.

- University Medical Center Mainz, Department of Toxicology, Mainz, Germany, 2014, lecture: Integrin-mediated drug resistance of tumor cells against chemotherapeutic drugs.
- Summer School Power of Viral Vectors in Gene Therapy and Basic Science, 2014, Primošten, Croatia; lecture: „What we can learn about adenovirus biology from infection of cancer cells resistant to chemotherapeutics?“.
- Department of Molecular Biotechnology and Health Sciences, University of Torino, Italy, 2016, lecture: „Integrin $\alpha\beta3$ -mediated resistance of tumor cells to chemotherapeutic drugs“.
- COST Action CA15214: Mechanobiology of cells and tissues in health and disease, 2018, Ljubljana, Slovenia; lecture: „Characterisation of the integrin α -dependent adhesome in MDA-MB-435S melanoma cells“.
- ABCD Meeting: Signal Transduction in Cancer, 2018, Torino, Italy; lecture: „Characterisation of integrin α V-dependent adhesome in melanoma cell line MDA-MB-435S“.
- COST Action CA15214: The workshop on Mechanobiology in Migrating Cells, 2019, Coimbra, Portugal; lecture: „The α V-integrin adhesome affects melanoma cell migration and sensitivity to microtubule poisons“.
- Virtual PharmaCon “Understanding Genetics: a Key to a Healthier GENERation” (online), 2022, lecture: „Gene therapy and vector vaccines: principles and perspectives“.
- Annual meeting of Croatian Society of Biochemistry and Molecular Biology "HDBMB22 – From science to knowledge“, 2022, Brela, Croatia, lecture: „Integrin adhesion complexes in sensitivity of tumour cells to chemotherapeutic drugs“
- „Biochemistry and molecular genetics in medicine“, Scientific symposium with international participation on the occasion of the 50th anniversary of the Institute of Biochemistry and Molecular Genetics (1972-2022) and the 30th anniversary of the Medical Centre for Molecular Biology (1992-2022) at the Faculty of Medicine, University of Ljubljana, Slovenia, 2023; lecture: „Talin2 and KANK2 functionally interact to regulate microtubule dynamics, paclitaxel sensitivity and cell migration“.
- Department of Molecular Biotechnology and Health Sciences, University of Torino, Italy, 2023, lecture: „Talin2 and KANK2 functionally interact to regulate microtubule dynamics, paclitaxel sensitivity and cell migration in the MDA-MB-435S melanoma cell line“.
- „Adhere1“, the first conference in a series of future annual conferences focused on cell adhesion, 2023, Zadar, Croatia; lecture: „Talin2 and KANK2 in integrin $\alpha\beta5$ -Associated Focal and Reticular Adhesions in Melanoma Cell Line“.
- Women Who are Changing Science: Driving Bold Research in Canada and Croatia, Zagreb and Rijeka, Croatia 2024; lecture: „From viruses to adhesion and back and some other things that I did...“.
- Frontiers in drug discovery, 2025, Cres, Croatia; lecture: „Localization of KANK2 to Focal or Fibrillar Adhesions Influences Migration in Melanoma Cell Lines“.

-invited lectures at national scientific conferences (some of them with international participation-lecture in English) or institutions:

- Annual meeting of Croatian immunological society, 2000, Zagreb, Croatia, lecture: „Immunisation using replication-defective adenovirus vector vaccines in the presence of maternal antibodies“ (lecture in Croatian).
- 45 years of Molecular Biology in Croatia, 2003, Zagreb, Croatia, lecture: „Increased adenoviral transduction efficacy in human laryngeal carcinoma cells resistant to cisplatin is associated with increased expression of $\alpha\beta3$ and Cocksackie adenovirus receptor“ (lecture in English).
- 3rd Congress of Croatian Microbiological Society, 2004, Poreč, Croatia, lecture: „Vector for Tumor Gene Therapy through Inhibition of Angiogenesis: Adenoviruses Bearing NGR Motifs in the HI-Loop of Adenovirus Fiber Protein Bind Aminopeptidase N and $\alpha\beta3$ Integrins“ (lecture in English).
- Second Congress of Croatian Geneticists with international participation, 2005, Brač, Croatia, lecture: „Expression of $\alpha\beta3$ integrin in human laryngeal carcinoma cell line induces drug-resistance to cisplatin, mitomycin C, doxorubicin and nitric oxide“ (lecture in English).
- Congress of the Croatian Society of Biochemistry and Molecular Biology with international participation, 2008, Osijek, Croatia, lecture: „ $\alpha\beta3$ Integrin mediated drug-resistance in human laryngeal and tongue squamous carcinoma cells“ (lecture in English).

- 10th Congress of the Croatian Society of Biochemistry and Molecular Biology with international participation, 2010, Opatija, Croatia, lecture: „Role of integrin $\alpha\beta 3$ in tumor drug resistance and adenovirus mediated gene delivery“ (lecture in English).
- 5th Congress of Croatian Microbiological Society, 2012, Primošten, Croatia., lecture: „The disulfide bond of an RGD4C motif inserted within the HI loop of adenovirus type 5 fiber protein is critical for retargeting to αv -integrins“ (lecture in English).
- 1st Croatian Virus Workshop, Basic and Translational Virus Research, 2014, Rijeka, Croatia; lecture: „Increased Adenovirus type 5 mediated transgene expression due to RhoB downregulation“ (lecture in English).
- The fifth meeting of the Croatian Association for Cancer Research (with international participation), 2018, Zagreb, Croatia; lecture: “Characterisation of Integrin αv -dependent Adhesome in Tumor Cells” (lecture in English).
- 1st Biotechnology Students Congress, 2018, Zagreb, Croatia; lecture: „Integrins: modulators of sensitivity of tumor cells to antitumor drugs and adenovirus receptors“ (lecture in Croatian).
- Symposium of Croatian Academy of Sciences and Arts “Apoptosis in cancer”, 2019, Zagreb, Croatia; lecture: „Integrins and apoptosis in tumor cells” (lecture in Croatian).
- Online lecture for student association PROBION, 2020, Zagreb, Croatia, lecture: „Vaccination against COVID-19: Test of education and unity of the nation“ (lecture in Croatian).
- Online symposium „COVID, reproduction and selected topics in gynecology”, 2021, Zagreb, Croatia, in organization of Croatian Society for Gynecological Endocrinology and Human Reproduction, Croatian Medical Association and Croatian Society of Clinical Embryologists; lecture: „Patophysiology of SARS-CoV-2 and vaccination: impact on human reproduction?“ (lecture in Croatian)
- Faculty of Science, University of Zagreb, 2021, Zagreb, Croatia, lecture: "Vaccination against SARS-CoV-2"(lecture in Croatian).
- Symposium of the Croatian Society for Cancer Research "Melanoma - Synergy of Science and Clinic", 2023, Zagreb, Croatia; lecture: "Molecular mechanism of integrin-mediated resistance of melanoma cells to microtubule toxins" (lecture in Croatian).
- Matica Hrvatska, 2023, Zagreb, Croatia, lecture: "How do normal and tumor cells communicate with the environment?" (lecture in Croatian).

Teaching

Course leader:

- 2002-: elective course “Molecular basis of gene therapy” doctoral study in biology, Faculty of Science, University of Zagreb, Croatia.
- 2008-: elective course “Gene Therapy”, graduate study in Molecular biotechnology, Faculty of food technology and biotechnology, University of Zagreb, Croatia

Course co-leader:

- 2007-: elective course „Basic methods in molecular biology and medicine“, University Postgraduate Interdisciplinary Doctoral Study Molecular Biosciences, University of Osijek, University of Dubrovnik and Ruđer Bošković Institute, Croatia (co-leader Neda Slade, PhD)
- 2014-: elective course „ Molecular basis of genetic engineering “, doctoral study of veterinary sciences, Faculty of Veterinary Medicine Zagreb, University of Zagreb, Croatia (co-leader dr. sc. Dušica Vujaklija)

Lecturer on courses of other course leaders:

- 2011-: lecturer on course „Gene Therapy-gene transfer” course leader Prof. Chantal Pichon (University of Orleans, France), Bioindustrial Techniques - joint study of the University of Zagreb, Croatia and the University of Orleans, France, course leader Prof. Chantal Pichon.
- 2014-: lecturer “Molecular basis of genetic engineering”, postgraduate specialist studies „Microbiology and epizootiology “, Faculty of Veterinary Medicine Zagreb, University of Zagreb, Croatia, course leader Dušica Vujaklija, PhD.

Projects:

-leader of research projects:

- (1998-2000) Ministry of Science, Education and Sports, Young researcher grant "Vector vaccines against pseudorabies virus", 9.547,20 EUR
- (2007-2014) Ministry of Science, Education and Sports, "Increase of adenovirus transduction efficacy and resistance to cytostatics", 31.028,00 EUR
- (2007-2010) Technological project awarded by Ministry of Science, Education and Sports, "Regeneration of knee articular cartilage", 136.710,60 EUR
- (2014-2018) HRZZ Research Project "Molecular mechanisms of chemosensitisation of human breast carcinoma and melanoma cell lines by silencing of integrins", 132.600,00 EUR
- (2020-2024), HRZZ Research Project "Integrin $\alpha\beta 5$ -associated Focal and Reticular Adhesions in Melanoma", 132.600,00 EUR
- (2025-2026); duration of the project: 1 year) project leader within the call "Proof of Innovative Concept - Second Call", C3.2.R3-11.05 "Method for the identification of any potentially pathogenic virus: VirusHunter 2.0" 66.000,00 EUR
- (2024-2026) co-leader of the project within the Technology Transfer Support call, NPOO.C3.2.R3-11.02.0003 "VirusHunter - method and diagnostic kit for detection and identification of viruses" 200.000,00 EUR

-leader of bilateral scientific projects:

- (2002-2004) NATO Science Program, Collaborative linkage grant, "Human adenovirus type 5 retargeted on aminopeptidase N", 3000,00 EUR only for travel costs
- (2006-2008) Integrated action: Ministry of Science, Education and Sports and French Government: COGITO, "Adenovirus retargeting to aminopeptidase N and potential use in gene therapy of cystic fibrosis", 3000,00 EUR only for travel costs
- (2014-2015): bilateral project with Germany "Sensitization of melanoma and glioma cells to alkylating drugs by integrin $\alpha\beta 3$, $\alpha\beta 5$, $\alpha 3\beta 1$ and $\alpha 4\beta 1$ silencing", 3000,00 EUR only for travel costs

-co-worker of research projects

- (1990-1995) Ministry of Science, Education and Sports, „Investigation of cell resistance to genotoxic agents“, project leader Maja Osmak, PhD
- (1996-2002) Ministry of Science, Education and Sports, Cell response to physical, chemical and biological noxa, project leader Maja Osmak, PhD
- (2002-2006) Ministry of Science, Education and Sports suradnica na projektu "Cellular response to physical, chemical and biological noxa", project leader Maja Osmak, PhD
- (2007-2014) Ministry of Science, Education and Sports, "Cell responses to cytotoxic agents and resistance development ", project leader Maja Osmak, PhD; 31.028,00 EUR
- (2016-2017) Proof of Concept (POC6) Croatian Agency for SMEs, Innovations and Investments (HAMAG-BICRO) „VirusHunter - identifying new potentially pathogen viruses“, project leader Dragomira Majhen, PhD; 39.780,00 EUR
- (2015-2018) HRZZ Installation Research Project „Understanding cell entry pathway of Adenovirus type 26: way of improving vaccine vectors“ (project leader Dragomira Majhen, PhD); 72.930,00 EUR
- (2019-2020) project of ZAGREBAČKA BANKA D.D., Zagreb: "Combining basic and clinical research to improve treatment and increase social awareness on prostate cancer", project leader Ivana Samaržija, PhD; 12.000,00 EUR
- 2025, collaborator on the project within the call "Proof of an innovative concept - Second call", C3.2.R3-11.05 "ViroSENS: sensor for detection of any virus" (project duration: 1 year) (leader Dragomira Majhen, PhD) 66.000,00 EUR
- (2023-2027) Marie Skłodowska-Curie Actions, Staff Exchanges (SE), Call: HORIZON-MSCE-SE-2022: INVECTA, (leader Dragomira Majhen, PhD)

- co-worker of bilateral, FP7 and COST projects

- (2008-2009) bilateral project with Germany „Molecular mechanisms that determines cell sensitivity to platinum compounds“ Institut for toxicology, Johannes Gutenberg University, Mainz, Germany (project leader Maja Osmak, PhD); 3.000,00 EUR only for travel costs
- (2012-2013) bilateral project with Germany „Platinum compounds: Drug-induced stress responses and mechanisms of drug- resistance“ Institute for toxicology, Heinrich Heine University Düsseldorf, Düsseldorf, Germany (project leader Maja Osmak, PhD); 3.000,00 EUR only for travel costs
- (2013-2016) FP7-REGPOT project “Enhancement of the Innovation Potential in SEE through New Molecular Solutions in Research and Development” leader Oliver Vugrek, PhD, 4.738.978,00 EUR
- (2016-2019) COST Action 15214 „An integrative action for multidisciplinary studies on cellular structural networks (EuroCellNet) (leader prof. Pavel Hozak)
- (2018-2023) COST Action 18133 “European Research Network on Signal Transduction” (ERNEST) (leader, Jana Selent, PhD)

Participation at scientific conferences

Participated with more than 100 oral or poster presentations at national or international scientific conferences (more detailed information available at [Search for PERSON: Andreja Ambriović Ristov \(CROSBI Profile: 22162, MZO: 173311\) - Advanced search - CROSBI \(irb.hr\)](#))

Mentorship of defended doctoral, master and diploma dissertations

-PhD thesis:

Dragomira Majhen (2008), Nikolina Stojanović (2014), Ana Dekanić (2019), Tihana De Zan (2021), Marija Lončarić (2024)

-Master of Science Thesis:

Dragomira Majhen (2005)

- Master's Thesis:

Tihana Jelušić (2009), Nikolina Stojanović (2009), Tea Špeljko (2010), Dunja Vukić (2010); Irena Bardak (2011), Ana Dekanić (2012), Tvrtko Bugar (2012), Kristijan Pažur (2012), Krešimir Ferenčak (2012), Ivan Faraho (2015), Alen Kovačević (2015), Delphine Sedda (2016), Nebojša Vujnović (2017), Christine Supina (2018), Kristina Čuljak (2018), Zrinka Vitković (2018); Isabela Pehar (2020); Marija Tomić (2020), Marta Acman (2021), Kaatje Coopmans (2023), Natalija Vidović (2026); Mirna Rešetar (ongoing); Nika Celinic (ongoing)

Reviewer

-scientific journals:

Acta Pharmaceutica, Advanced Science, Biochemistry and Biophysics Reports, Bioconjugate Chemistry, Biomaterials, Biomedical and Environmental Sciences, Biomedicines, BMC Cancer, Breast Cancer Research, Cancer Communications, Cancers (Basel), Cell Reports, Central European Journal of Biology, Croatian Medical Journal, Communications Biology, Expert Opinion on Drug Discovery, FASEB Journal, Food Technology and Biotechnology, Gene Therapy, Gene, International Journal of Biochemistry and Molecular Biology, Life Sciences, Journal of Proteomics, Journal of orthopaedic translation, Microbes and Infection, Mediators in Inflammation, Mini-Reviews in Medicinal Chemistry, Molecular Therapy, Nature Communications, Oncotarget, Periodicum Biologorum, Pharmaceuticals, Plos One, Viral Immunology, Viruses, Virus Research.

-national foundations:

- reviewer for programme “COOPERATION 2011”, Greek government
- member of panel The Foundation for Science and Technology (Portuguese: Fundação para a Ciência e a Tecnologia) Biological Sciences, Biodiversity and Ecosystems Panel in the R&D Units Evaluation 2017
- reviewer for Ministry of University and Research (Ministero dell'Università e della Ricerca) 2020 PRIN call, Italy

- member of the panel of The Foundation for Science and Technology "Call for R&D projects in all scientific domains", 2022, Portugal
- Panel member of The Foundation for Science and Technology "Call for Exploratory Projects in all Scientific Domains 2023", Portugal
- panel member of The Foundation for Science and Technology "Call for SR&TD Projects in all Scientific Domains" 2023, Portugal
- reviewer of the Breast Cancer Now Foundation project, UK, 2023.
- evaluator of Croatian Science Foundation*

Visiting professor

- academic years 2013/2014 and 2010/2011, visiting professor (1 month): Centre de Biophysique Moléculaire, CNRS-UPR 4301, Orléans, University of Orléans, France
- academic years 2016/2017; 2018/2019; 2019/2020; 2020/2021; 2021/2022, 2022/2023; 2023/2024 visiting professor (1 month): Molecular Biotechnology Center, University of Torino, Torino, Italy

Membership in science organisations and bodies

- Croatian Society of Biochemistry and Molecular Biology (also member of Federation of European Biochemical Societies, FEBS)
- Croatian Association for Cancer Research (also member of European Association for Cancer Research, EACR)
- Croatian Association of genetic engineer
- Croatian Genetic Society

Editorial work

- Editor in chief of the book "Methods in molecular biology" with a participation of 119 authors from all parts of Croatia, 2007
- Thematic editor in journals:
 - Frontiers in Cell and Developmental Biology*, Research Topic „Integrin Adhesion Receptors in Health and Disease“, Topic Editors: Andreja Ambriović-Ristov, Vassiliki Kostourou i Ben Goult, 2021. Integrin Adhesion Receptors in Health and Disease | Frontiers Research Topic (frontiersin.org)
 - Viruses, Special Issue „State-of-the-Art Virology Research in Croatia“,* Special Issue Editors: Stipan Jonjić, Dubravko Forčić i Andreja Ambriović-Ristov, 2021. Viruses | Special Issue: State-of-the-Art Virology Research in Croatia (mdpi.com)

Organisational skills and competences

- Coordinator of "Young Scientists", section of Croatian Society for Natural Sciences, 1993-1994
- Founder and director of educational project "Methodological Courses in Biology and Medicine" 2003-2013
- Member of Organising committee and co-editor of Book of Abstracts of "45 years of molecular biology in Croatia", Zagreb, Croatia, 2003
- Member of Organising committee and co-editor of Book of Abstracts of "50 years of molecular biology in Croatia", Zagreb, Croatia, 2008
- President, organiser and co-editor of Book of Abstracts of FEMS supported Summer School "Power of Viral Vectors in Gene Therapy and Basic Research" organised by Croatian Microbiological Society, French Society for Gene and Cell Therapy, German Society for Gene Therapy and Spanish Society for Gene and Cell Therapy, Primošten, Croatia, 17 – 20 September 2014
- President, organiser and co-editor of Book of Abstracts of the international FEMS workshop "Adenoviruses - Basic Biology to Gene Therapy", Zadar, Croatia, September 24-25, 2008

- Participation in organisation of 4 workshops of Innomol project, FP7-REGPOT-2012-2013-1: Enhancement of the Innovation Potential in SEE through new Molecular Solutions in Research and Development (InnoMol), (project leader dr. sc. Oliver Vugrek) 2013 – 2016: Proteomic Workshop, Zagreb, 2014; InnoMol Bioimaging Workshop, Zagreb, 2014; 3rd Croatian Microscopy Congress, Zadar, 2015 and Game of Epigenomics, Dubrovnik, 2016
- member of scientific committee „A COST Action CA15214 WG1-WG2-WG3-WG4 Networking Meeting: „Mechanobiology of cells and tissues in health and disease“, Ljubljana, Slovenia, 2018
- Initiator and main organizer of the *Adhere1* conference (in collaboration with Vassiliki Kostourou, Greece and Ben Goult, UK), the first in a series of annual conferences focused on cell adhesion, Zadar, Croatia, 2023
- Main organizer of the *Adhere2* conference (in collaboration with Vassiliki Kostourou, Greece and Ben Goult, UK), a conference focused on cell adhesion, Zadar, Croatia, 2025 (organization in progress).

Awards

- The award of director of Ruđer Bošković Institute for contribution in Institute development and common prosperity”, 2004
- A book “Methods in molecular biology” (Editor in chief Andreja Ambriović-Ristov) has received the Josip Juraj Strossmayer award, as the best publication achievement in science in Croatia in 2007
- Annual award for the best publication in Division of molecular biology, Ruđer Bošković Institute, in 2018 (*Stojanović et al., Molecular Pharmacology, 94(6):1334-1351, 2018*).
- Annual award for the best publication in Division of molecular biology, Ruđer Bošković Institute, in 2020 (*Paradžik et al., Frontiers in Cell and Developmental Biology, 8:125, 2020*).
- Annual award for the best publication in Division of molecular biology, Ruđer Bošković Institute, in 2021 (*Tadijan et al., Frontiers in Cell and Developmental Biology, 9:786758, 2021*).
- Annual award for the best publication in Division of molecular biology, Ruđer Bošković Institute, in 2023 (*Lončarić et al., Cellular and Molecular Biology Letters 2023 28(1):56*).
- Annual award for the best publication in Division of molecular biology, Ruđer Bošković Institute, in 2024 (*Samaržija et al., Frontiers in Cell and Developmental Biology 2024 12:1452463*).

Patent

Andreja AMBRIOVIC RISTOV, Dragomira MAJHEN, Alen KOVACEVIC: Method for identification of viruses and diagnostic kit using the same US Patent 12,360,112, 2025

Co-Founder & CEO BioDetect Solutions

October 2025 – Present

Founded and lead a technology company focused on virus diagnostic.

Awarded the *EIC Accelerator Seal of Excellence*, recognizing the company’s high-quality innovation proposal and secured public funding from the Republic of Croatia following the EIC Accelerator Seal of Excellence.

Commissions, Committees, Boards and Work Groups

- 2009-2011, Vicepresident of Croatian Society of Genetic Engineers,
- 2011-2013: member of Council for doctoral studies, Faculty of Science, University of Zagreb, Croatia
- 2012-2014, member of Council for economy, Ruđer Bošković Institute,
- 2012- : member of Commission for the structural funds, Ruđer Bošković Institute
- 2016-2022 Head of the Division of Molecular Biology, Ruđer Bošković Institute, Croatia
- 2020-2023 member of Croatian Government Science Council for COVID-19 pandemic
- 2016- Head of the Laboratory for Molecular Biology and Signalling, Ruđer Bošković Institute, Croatia

-2022- President of the Scientific Council - Biology

Popularisation of science

- participation in TV show "Scientific panel discussion", subject: viral diseases, Croatian Radiotelevision, 2004.
- lecture „Gene therapy“, Open Doors in 2006, Ruđer Bošković Institute
- invited lecture at international workshop Research Management Training Workshop (ReMaT), Ruđer Bošković Institute, 2007.
- participation in TV show, subject: "Methodological Courses in Biology and Medicine", Croatian Radiotelevision, 2008
- participation in TV show, subject: book "Methods in molecular biology" Croatian Radiotelevision, 2008
- popular lecture "Gene therapy of first clinical trial to first gene therapy drug approved for use in EU" Croatian Society for Biotechnology, 2013
- popular lecture „Gene therapy“, Student Association Samobor, Summer factory of science and city library Samobor, Croatia, 2013
- popular lecture „Genetically modified people“, Sceptics in pub, Zagreb, Croatia, 2013
- participation in TV show "Third element", subject: Gene therapy, Croatian Radiotelevision, 2014
- participation in „Gene Therapy workshop“, Open Doors in 2019, Ruđer Bošković Institute
- participation in the numerous News of various TV and radio stations, subject: COVID-19 pandemic, 2020-2023
- panel discussion: "The end of the pandemic - will we be smarter next time?" Sceptics in pub, Zagreb, Croatia, 2023

Online info:

-[Andreja Ambriović Ristov - Ruđer Bošković Institute \(irb.hr\)](#)

-[Andreja Ambriovic Ristov - Google Scholar](#)

List of publications

1. Stojanović N, Rac A, Lončarić M, Tadijan A, Paradžik M, Acman M, Humphries JD, Humphries MJ, **Ambriović-Ristov A**. KANK2 at focal adhesions regulates their maintenance and dynamics, while at fibrillar adhesions it influences cell migration via microtubule-dependent mechanism. Cell Communication and Signaling. 2026 Mar 3;24(1):224. doi: 10.1186/s12964-026-02771-w.
2. Rac A, Lončarić M, Stojanović N, Fatima M, Rešetar M, Hršak D, Humphries JD, Humphries MJ, **Ambriović-Ristov A**. Regulation of reticular adhesions by KANK2 and talin2 in two melanoma cell lines. Cell Communication and Signaling. 2026 Apr 24. doi: 10.1186/s12964-026-02904-1.
3. Samaržija I, Lukiyanchuk V, Lončarić M, Rac-Justament A, Stojanović N, Gorodetska I, Kahya U, Humphries JD, Fatima M, Humphries MJ, Fröbe A, Dubrovskaja A, **Ambriović-Ristov A**. The extracellular matrix component perlecan/HSPG2 regulates radioresistance in prostate cancer cells. Frontiers in Cell and Developmental Biology 12:1452463, 2024
4. Talajić A., Dominko K., Lončarić M., **Ambriović-Ristov A**, Četković H The ancestral type of the R-RAS protein has oncogenic potential. Cellular and Molecular Biology Letters, 29(1):27., 2024.
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