

PERSONAL INFORMATIONS

Aneta Aleksova



📍 Italy  
 ☎️ +393405507762  
 ✉️ aaleksova@units.it, aaleksova@gmail.com

Gender Female | Date of birth 06/02/1977 | Nationality Italian, Macedonian

POSITIONS COVERED

- 2024 – today **Associate Professor at the University of Trieste, Clinical University Department of Medical, Surgical and Health Sciences**  
 Disciplinary sector: MEDS-07/B Diseases of the Cardiovascular System.
- 01/11/2012 – 2024 **Assistant Professor at the University of Trieste, Clinical University Department of Medical, Surgical and Health Sciences**  
 Disciplinary sector: MEDS-07/B Diseases of the Cardiovascular System. In possession of the national scientific qualification (ASN) for the MEDS-07/B sector.
- 01/01/2010-31/10/2012 **Cardiologist in Cardiac Rehabilitation Clinic, S.p.A Pineta del Carso - Trieste**
- 15/04/2013 - today **Cardiologist Intensivist at Intensive Cardiac Care Unit, at Cardiovascular Department, Giuliano Isontina University Hospital**
- 07/01/2021 - today **Highly specialized professional assignment in the management of complex heart disease patients, simulated medicine and research**
- 09/24 - today **Scientific Director of the Centre for Medical Simulation and Advanced Training (CSMAA) of the University of Trieste**
- 2013 - today **Head of the Centre for Translational Cardiology – CTC of the Cardiovascular Department, Giuliano Isontina University Hospital, Trieste**
- 2013 - today **Member of the Degree Course Council of the University of Trieste**

  - Medicine and Surgery
  - Dentistry
  - Pharmacy and pharmacy technicians
  - Medical biotechnology
- 2013 - today **Member of the Board of various Specialization Schools of the University of Trieste**

  - Diseases of the cardiovascular system
  - Diseases of the respiratory system
  - Radiodiagnostics
  - Sports and exercise medicine
- 2013 - 2023 **Member of the Traineeship Commission of the Degree Course in Medicine and Surgery of the University of Trieste**
- 2023 - today **Coordinator of Traineeship Commission of Medical Degree Course in Medicine and Surgery of the University of Trieste; Since the beginning of my mandate as the Coordinator this Commission, I have implemented a thorough revision and rationalization of the entire traineeship offering. This quality improvement process proved to be a key element in successfully obtaining ANVUR accreditation in 2025 for the Faculty, ensuring adherence to the highest educational standards.**
- 2025 - today **Member of the Teaching Commission of the Degree Course in Medicine and**

**Surgery of the University of Trieste**

- 09/24 - today **Member of the Traineeship Commission of the University of Trieste, for the Department of Medical and Surgical Sciences and Health (DSMCS)**
- 2023 - today **Member of the faculty board of the PhD program "Personalized Medicine and Innovative Therapies", at the University of Trieste**
- 2023-today **Research Fellow and Professor in Cardiac Rehabilitation at University of Heraklion, Crete, Greece; project Postgraduate Master Program "Exercise and exercise-based cardiac rehabilitation in patients with cardiac disease"**
- 2024 - today **Professor and member of the II Level Master Postgraduate Program of the University of Trieste "Clinical management of Cardiomyopathies: from genetics to multidisciplinary management"**
- 19/03/2021 – 18/04/2024 **Member of the Disciplinary Board of the University of Trieste**
- 2017 - 2021 **Member of the Research Commission of the Clinical University Department of Medical, Surgical and Health Sciences, University of Trieste**
- 2015 - today **Member of various commissions for the evaluation of research grants of the Clinical University Department of Medical, Surgical and Health Sciences, University of Trieste**
- 2012 - today **Member of various commissions for the examinations of the University of Trieste**
- 01/01/2016 - today **Reviewer for the evaluation of biomedical research proposals funded by the Ministry of Health**

**PROFESSIONAL EXPERIENCE**

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- 10/06/2015 – 01/07/2018 **Member Appointed from the Minister from the Health of the Committee Technician Sanitary For the research healthcare of the Ministry from the Health, Rome**  
 (decree of the Minister of Health May 20, 2015, member of the Technical Health Committee established with Presidential Decree March 28, 2013, n. 44) (sections C and D)
  - member of the commission for the evaluation of research projects for young researchers (GR);
  - member of the capital account procedure evaluation commission 2015-2016, 2016-2017;
  - member of the IRCCS classification commission 2015-2018;
  - evaluation member of the cardiological network of the IRCCS;
  - member of the IRCCS triennial planning commission 2015-2018;
  - member of the commission for the National Plan for Health Research 2015-2018.
- 2016-2018 **Member of the final scientific committee for the evaluation of biomedical research proposals funded by the Ministry of Health;**
- 31/01/2012 -31/10/2012 **Research Fellow at Cardiovascular Department "Ospedali Riuniti", Trieste**  
 For the realization of the project called "End Stage Hearth Failure: novel Diagnostic and therapeutic technologies", of the Ministry of Health.
- 01/06/2011 – 31/12/2011 **Research Fellow at Cardiovascular Department "Ospedali Riuniti", Trieste**  
 Research activity on Cardiomyopathies Registry and evaluation of cardiac involvement in patients with rheumatic diseases
- 2010 - 2011 **Research Fellow at Cardiovascular Department "Ospedali Riuniti", Trieste**  
 For the realization of the project "Dilatative Cardiomyopathy and gluten dependent autoimmunity" funded by the Ministry of Health

- 17/09/2009 – 18/09/2010 **Research Fellow at the University of Trieste**  
 Project "Dilatative cardiomyopathy and gluten dependent autoimmunity", directed by Prof Gianfranco Sinagra of the university hospital and by the Tarsio Not group of the IRCCS Burlo Garofolo, Trieste.
- 20/07/2009 - 30/09/2009 **Research Fellow at the International Centre for Genetic Engineering and Biotechnology – ICGEB**
- 24/11/2008 - 30/06/2009 **Research Fellow at the International Centre for Genetic Engineering and Biotechnology – ICGEB**
- 05/2003 – 11/2003 **Research Fellow at the Institute of Immunobiology and Human Genetics of the Faculty of Medicine, "SS Cyril and Methodius" University Skopje, Macedonia**

## EDUCATION AND TRAINING

- 1995 **Professional Nurse Diploma**
- 2003 **Degree in Medicine from the "SS Cyril and Methodius" University in Skopje, Macedonia**  
 Recognized by the University of Trieste in Degree in Medicine and Surgery  
 Italian state exam with score 270/270;  
 Registration in the Order of Doctors of Trieste n°4100
- 2008 **Specialization in Cardiology**  
 Score 50/50 cum laude at the University of Trieste
- 2003 - 2005 **II level International Master "Alpe Adria" in Cardiovascular pathologies, at the University Of Trieste, Ljubljana and Graz**  
 Research activity within the Master, at three universities, in the two-year period 2003-2005 (24 months);  
 Final score 50/50  
 Title of the final thesis "Atrial Fibrillation and Heart Failure", Supervisors Prof. Sinagra G, Prof. Biolo G and Dr. Di Lenarda A.
- 2010 – 2011 **Specialization course "Clinical training, communication and management in Cardiology" at the University of Padua**
- 2012 – 2013 **II level Master in Clinical Competence in Intensive Cardiological Care**  
 Vote 50/50 cum laude at the University of Florence  
 Supervisor Prof. Gensini Gianfranco; final thesis entitled "Post Cardiac Arrest Syndrome"
- 2017 – today **Basic Life Support (BLS) Instructor - American Heart Association**  
 Instructor code 1709000154, pertaining to the ASUGI centre
- 2017 – today **ACLS (Advanced Cardiovascular Life Support) Instructor - American Heart Association**  
 Instructor code 1709000154, pertaining to the ASUGI centre
- 2018 **American Heart Association PALS - Pediatric Advanced Life Support course**
- 27/10/2020 – today **Certification of the Profession "Expert Instructor of Simulation in Medicine"**  
 According to the Reference Practice UNI/PdR 64:2019 - Expert professional profiles in the medical health sector (REF. N°010\_2020\_EISM; reissued 10/2025)
- 2023 **Master Class Intensive Care Medicine, Department of Anesthesiology, Intensive Care and Pain Therapy, University of Saarland, Homburg (final grade:100%)**
- 2024 **Master Class Intensive Care Medicine, Department of Anesthesiology, Intensive Care and Pain Therapy, University of Saarland, Homburg (final grade:100%)**

- 2025 Master Class Intensive Care Medicine, Department of Anesthesiology, Intensive Care and Pain Therapy, University of Saarland, Homburg (final grade:100%)
- 17-18/11/2023 ESC - ACVC School 2023 workshop for procedures in cardiac emergencies (Echo-guided vascular access and pericardial drainage  
Difficult airway management, Clinical simulations focusing on communication and leadership, VA-ECMO management and troubleshooting  
Comprehensive evaluation of congestion in acute heart failure, Mechanical ventilation, Patients in shock - The importance of ECMO unloading) at Vall d'Hebron, Centre for Advanced Clinical Simulation, Barcellona, Spagna
- 08-09/11/2024 ESC - ACVC School 2024 workshop for procedures in cardiac emergencies (Echo-guided vascular access and pericardial drainage  
Difficult airway management, Clinical simulations focusing on communication and leadership, VA-ECMO management and troubleshooting  
Comprehensive evaluation of congestion in acute heart failure, Mechanical ventilation, Patients in shock - The importance of ECMO unloading) at Vall d'Hebron, Centre for Advanced Clinical Simulation, Barcellona, Spagna
- 23-25/10/2025 Workshop and training in simulation during ERC Congress at Rotterdam in: management of critical care and emergency procedures, including managing traumatic bleeding, patients with spinal cord injury, handling thermal shock, addressing neonatal and premature emergencies, management of in-hospital cardiac arrest .

PERSONAL SKILLS

Mather tongue Macedonian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Italian	C2	C2	C2	C2	C2
Croatian	C2	C2	C2	C2	C2
French	B2	B2	B2	B2	B2

Levels: A1/A2: Basic user - B1/B2: Intermediate user - C1/C2: Advanced user  
Common European Framework of Reference for Languages

Organizational and management skills

- **Experience in management of research laboratory and biobank collection**, planning and management activities, quality control, analysis and discussion of data, presentation of results at national and international congresses.
- **Experience in data-management activities**: collection, insertion of clinical data in the clinical registries, quality control, analysis and discussion of data, presentation of results at national and international congresses
- **Experience in management of Centre for Medical Simulation and Advanced Training, training in emergency, BLS, ACLS, technical and non-technical skills.**
- Experience in management of Traineeship of Master Degree including various types of professional figures in multiple hospitals in Friuli Venezia Region.
- **Experience in organizing scientific meetings.**
- **Experience in research, scientific and reporting project management.**

Professional skills

- Considerable experience in the evaluation of research programs and activities, as well as in verifying

activities during site visits of IRCCS.

- Skills in the evaluation of health technologies and advanced instruments for research, also as regards the evaluation of possible volumes of use, the risks of rapid obsolescence, the convertibility for healthcare purposes, the cost-utility with respect to the acquisition of procedures through mechanisms other than purchase.

#### Digital competence

- Advanced user of SPSS clinical trial software:
  - TSC – Statistical Tests and Sampling Plans
  - REG – Regression analysis
  - SURV - Survival analysis
  - MULTI – Multivariate analysis
  - LOG-COX – Logistic regression and Cox regression
  - PSCORE – Propensity score matching
- Good command of Microsoft Office™ (Word, Excel, Powerpoint)

#### Other skills

- **Problem-solving:** Critical thinking, creativity, analytical skills, and decision-making.
- **Organization:** Time management, planning, and attention to detail.
- **Leadership:** Motivation, negotiation, and managing others.

#### Driver's license

- B

### FURTHER INFORMATION

#### Participation in international agreements

05/2003-11/2003 – Research Fellow at the Institute of Immunobiology and Human Genetics of the Faculty of Medicine, “SS Cyril and Methodius” University Skopje, Macedonia;  
 11/2003-09/2005 Research activity during International “Alpe Adria” program in Cardiovascular pathologies, at the University of Trieste, Ljubljana and Graz;  
 11/2008 – 09/2009 – Research Fellow at International Center for Genetic Engineering and Biotechnology – ICGEB;  
 2023 - today Research Fellow in Cardiac Rehabilitation Setting; Project: Postgraduate Master Program of the University of Heraklion, Crete, Greece entitled "Exercise and exercise-based cardiac rehabilitation in patients with cardiac disease"

#### Collaborations

- Institute of Clinical Pathology, University of Udine; Prof. AP Beltrami (clinical and translation research in various cardiovascular fields); International Center for Genetic Engineering and Biotechnology, Trieste; Prof. S. Zacchigna, (Molecular Cardiology);
- Collaborations in various clinical trials and post-hoc analyses with Mario Negri Institute of Pharmacological Research - Department of Cardiovascular Research, Milan (Dr. R. Latini, Dr. L. Starzewsky, Dr. S. Masson);
- Collaborations in cardiometabolic field: Group of Prof. Maria Marketou (professor of Cardiology, Head of the Laboratory of Molecular Cardiology, Inherited and Infiltrative Cardiomyopathies, University of Heraklion, Crete); Dr. Donna Zwas (Director of Linda Joy Pollin Cardiovascular Wellness Center for Women, Hadassah Hospital, Jerusalem); Prof. Yosefa Avraham (Hebrew University of Jerusalem), Prof. F. Campos Corgosinho (Nutrition Faculty, Federal University of Goiás—UEGo, Goiânia, Goiás, Brazil); Prof. A. Giustina, professor of Endocrinology and Head, Institute of Endocrine and Metabolic Sciences at San Raffaele Vita-Salute University and IRCCS Hospital and the International group including Prof. John Bilezikian (Columbia University) and A. Pittas (Tufts University, Boston); submitted and revision “Consensus paper on Vitamin D - Cardiometabolic health Consensus paper on Vitamin D - Cardiometabolic health”; Group of Prof. E. Novellino, expert in pharmaceutical and toxicological chemistry, in the study of the effects of the metabolite TMAO on the genesis of major cardiovascular events as well as on their post-infarction course and in the untargeted metabolomic evaluation of patients with acute myocardial infarction; Group of Prof. E. Dozio, University of Milan, Director of the School of Specialization in Clinical Pathology and Clinical Biochemistry, expert in nutrition, metabolism and cardiovascular diseases
- National and international collaborations on SARS-CoV-2 infection, COVID-19, and the cardiovascular system during the pandemic period; Prof A. Zumla (National Institute for Health Research Biomedical Research Centre, Department of Infection, Division of Infection and Immunity, Center for Clinical Microbiology, University College London, London, UK), Prof. G. Ippolito (National Institute for Infectious Diseases (INMI) "Lazzaro Spallanzani" of Rome and Ministry of Health) and Dr. E.A. Noveska (University of Skopje);
- National and international collaborations in cardiac rehabilitation research with professionals from

the European Association of Preventive Cardiology (EAPC); Group of Prof. Maria Marketou, professor of Cardiology, University of Heraklion, Crete; Prof C.Davos, Clinical, Experimental Surgery & Translational Research, University of Athens, Greece, expert in the field of myocardial hypertrophy, ischaemia, cardiomyopathies, heart failure and cardiac rehabilitation, member of European Associations of Heart Failure and Cardiac Prevention and Rehabilitation; Dr. F. Perone, member of European Association of Preventive Cardiology (EAPC);

- Collaborations in the field of acute myocardial infarction and cardiac arrest research (Prof. G.Ristagno, Prof. M. Noc, Prof. J.Saw, Prof. Maddedu, Prof. Maisel etc);

#### Memberships

- Italian Society of Cardiology (SIC)
- ESC Acute CardioVascular Care;
- Italian Society of Intensive care (SITI-ISIC)
- European Resuscitation Council (ERC)
- ANMCO and ANMCO Next generation network
- Atherosclerosis, Thrombosis, Vascular Biology Study Group (ATVB)
- Heart Failure Association of the ESC
- European Association of Preventive Cardiology

#### Editorial activity and reviewer

- Editorial Board Member of Scientific Reports, publisher Nature Research, indexed in PubMed, Q1 quartile for multidisciplinary sciences based on metrics from sources like Scimago Journal Rank (SJR) and Scopus. <https://srepeditorialsite.nature.com/users/aneta-aleksova>;
- Editorial Board Member, Associate Editor - European Heart Journal Supplements, Publisher: European Society of Cardiology (ESC), indexed in PubMed Central, Q2 for Cardiology and Cardiovascular medicine. [https://academic.oup.com/eurheartjsupp/pages/Editorial\\_Board](https://academic.oup.com/eurheartjsupp/pages/Editorial_Board)
- Review Editor for Frontiers in Cardiovascular Medicine, publisher Frontiers Media SA, indexed in PubMed and PubMed Central, Q1 quartile for Cardiology and Cardiovascular Medicine based on metrics from sources like Scimago Journal Rank (SJR) and Scopus.  
Sections: 1) Cardiovascular Biologics and Regenerative Medicine  
2) Coronary Artery Disease
- Academic Editor, Topical Advisory Panel Member of Journal of Clinical Medicine; Publisher: Multidisciplinary Digital Publishing Institute, indexed in PubMed, Q1 for Medicine (miscellaneous).
- Guest Editor of the Special Issue "The Role of Cardiac Rehabilitation After Myocardial Infarction, Coronary Artery Bypass Surgery, and in Other Cardiac Diseases"; Journal of Clinical Medicine (ISSN 2077-0383). 2024-2026;
- Guest Editor Special Issue "Cardiovascular Diseases and COVID-19". Section "Molecular and Translational Medicine"; Biomedicine (ISSN 2227-9059). 2022-2023;
- Guest Editor Special Issue "Management of Myocardial and Pericardial Diseases under COVID-19 Pandemic". Section "Cardiology"; Journal of Clinical Medicine (ISSN 2077-0383). 2022-2023;
- Reviewer in various scientific journals: Cardiovascular Drugs and Therapy, Heart, International Journal of Cardiology, Chest, International Journal of Molecular Sciences, Journal of Clinical Medicine, ESC Heart Failure, European Journal of Heart Failure, PlosONE, Journal of Cardiovascular Medicine, Nutrition, Metabolism and Cardiovascular Diseases, The American Journal of Cardiology, JAHA, Journal of Internal Medicine, Scientific Reports, Frontiers in Cardiovascular Medicine, Life Sciences etc.

#### Scientific and research activity

- Member of the board of the Italian Association of Intensive Care (SITI) –period 2024-to date;
- Member of the board of the Atherosclerosis, Thrombosis, Vascular Biology Study Group (ATVB) - period 2017-2019;
  - Participation in the activities of the Research Group of the University of Trieste and of the Giuliano Isontina University Health Authority for the study of thrombophilias.
- Member of the Coordination Centre of the Regional Registry of Sudden Cardiac Deaths in Juvenile Age of the Friuli Venezia Giulia Region;
- Member of the Study Group on Myocardial Diseases of Trieste;
- Professional assignment by ASUGI as the Head of the Centre for Translational Cardiology – CTC of the Cardiovascular Department, Giuliano Isontina University Hospital, Trieste (ASUGI); in this role:
  - a) Promoter and Principal Investigator (PI) for the prospective observational study on 'The Role of Vitamin D in Cardiovascular Diseases' (funded by the institution itself);
  - b) Promoter and National Principal Investigator (PI) of the prospective observational study, 'Multimarker Approach for Better Prognostic Stratification in Patients with Acute Myocardial Infarction' (funded by the institution itself);
  - c) Promoter and National Principal Investigator (PI) of the observational study on thrombophilias (funded by the institution itself);
  - d) Promoter and National Principal Investigator (PI) of the prospective observational study, "Metabolic alterations in patients with ischemic and inherited cardiomyopathies" (funded by the

institution itself);

- Italian lead Investigator (PI) in the “Study of the Hemodynamic Effects of Systemic Amyloidosis on Blood Pressure and the Arterial Stiffness of Peripheral Vessels”, funded from the Hellenic Society of Cardiology and the Cardiology Department, Heraklion University General Hospital, Greece;
- Italian lead Investigator (PI) in the “Gene Expression and microRNA Investigation in Patients with Myocarditis: Correlation with Imaging Parameters and Clinical Outcome of the Disease”, funded from the Hellenic Society of Cardiology and the Cardiology Department, Heraklion University General Hospital, Greece;
- Italian lead Investigator (PI) in the “Assessment of the Quality of Life in Elderly Patients After Acute Coronary Syndrome”, funded from the Hellenic Society of Cardiology and the Cardiology Department, Heraklion University General Hospital, Greece;

#### Participation in international trials

- Participation in the research activity of the Cardiovascular Clinical Pharmacology Laboratory of the Mario Negri Institute, Department of Cardiovascular Research, in Milan (Dr. Roberto Latini; Dr. Serge Masson, Prof. Giuseppe Ristagno). Within this activity participation as an investigator in the cardiovascular field: GISSI-HF, GISSI-AF, n-3 PUFA and Statin: effects on inflammation and lipid profile, CandHeart, CYCLE, ICOS-ONE, OPERA.
- Head of the Trieste Cardiology Operating Unit:
  - biohumoral part in the randomized multicenter trial "Randomized, Prospective, Parallel Group, Placebo-Controlled, Multi-Center Study on the Use of Valsartan an Angiotensin II AT1-Receptor Blocker in the Prevention of Atrial Fibrillation Recurrence."; trial promoted by the GISSI Research Group; <https://clinicaltrials.gov/ct2/show/NCT00376272>; from 14/09/2006 to 01/12/2015
  - in the international multicenter trial (USA, Italy and Argentina), "OPERA"- Randomized Clinical Trial to Examine Whether Peri-operative Intake of n-3 Polyunsaturated Fatty Acids Will Reduce the Occurrence of Post-operative Atrial Fibrillation in Patients Undergoing Cardiac Surgery; <https://clinicaltrials.gov/ct2/show/NCT00970489>; from 02/09/2009 up to date
  - biohumoral part in the multicenter CYCLOsporinE A in Reperfused Acute Myocardial Infarction (CYCLE) trial; trial promoted by the Mario Negri Pharmacological Research Institute; <https://clinicaltrials.gov/ct2/show/NCT01650662>; from 01/01/2012 to 02/02/2016
  - biohumoral part in the multicenter randomized trial "ICOS-ONE - Prevention of Anthracycline-induced Cardiotoxicity: a Multicenter Randomized Trial Comparing Two Therapeutic Strategies."; trial sponsored by the European Institute of Oncology; <https://clinicaltrials.gov/ct2/show/NCT01968200>; from 23/10/2013 up to date
- 2024 up to date Local Principal Investigator (Trieste Centre) for the 'Takotsubo Italian Network: Italian Multicenter Observational Registry on Takotsubo Syndrome' national study

#### Awards and fundings

- Winner in the award session (First research prize) at the Congress of Acute Cardiovascular Care of the European Society of Cardiology's (ACVC-ESC), in 03/2025, in Florence for the original unpublished research 'Negative impact of low IGF-1 levels and hypovitaminosis D on coronary artery disease severity and prognosis in patients with AMI'.
- Second research prize at the Congress of Acute Cardiovascular Care of the European Society of Cardiology's (ACVC-ESC), in 03/2024, in Athens for the original unpublished research 'Increased amyloid-beta values predict mortality during long-term follow-up in patients with acute myocardial infarction, both STEMI and NSTEMI'.
- Award in Cardiology in 2009 from the Triestina Medical Association for the paper "Impact of atrial fibrillation on outcome of patients with idiopathic dilated cardiomyopathy. Data from the heart muscle disease of Trieste".
- 2013-2014 - Head of the operative unit, Molecular Cardiology Laboratory of the project "New strategies for improving the prognosis of myocardial infarction: role of metabolic-nutritional factors" funded by FRA funds, University of Trieste, competitive financing program with external evaluation commissioners;
- 2017-2019 - Head of the Operative Unit of the Giuliano Isontina University Health Authority - ASUGI, of the project entitled "Heart failure as Alzheimer's disease of the heart. Diagnostic and therapeutic opportunities: HEARTzeimer". Partners: Antonio Paolo Beltrami, University of Udine, Aneta Aleksova, Giuliano Isontina University Health Authority, Serena Zacchigna ICGEB - International Center for Genetic Engineering and Biotechnology. Research project financed using the 2017 FVG Region grant for the granting of grants for clinical, translational, basic, epidemiological and organizational research, pursuant to article 15, paragraph 2, letter b), of regional law 17/ 2014; (competitive financing program);
- 01/2020 – 04/2022 Head of the Operative Unit of the Department of Medical, Surgical and Health Sciences, University of Trieste of the project entitled "TROPOS - Portable detector for early

diagnosis of myocardial infarction". Project partners: Aneta Aleksova DSM, University of Trieste, Maurizio Prato, Department of Chemical and Pharmaceutical Sciences, University of Trieste, Rhazes Srl, Trieste, Dr. Dino Paladin, Padua and Prof. Paolo Ugo, Department of Molecular Sciences and Nanosystems of the Cà Foscari University of Venice. Research project financed by Call 2017 for Activity 1.3.b of the POR FESR 2014-2020; competitive financing program;

- 09/2020 – 09/2022 Winner of funding of a two-year research grant within the project "From simulation to precision medicine" financed through the law of 11 December 2016, n°232, art 1, paragraphs 314-337; competitive financing program; Collaboration and supervision of the research fellow's activity in the period 1 September 2020 - 1 September 2022.

#### Teaching activity

##### ▪ *Teaching activity*

- Teaching assignment "Molecular cardiology" of the Master's Degree in Medical Biotechnology of the University of Trieste from 2014/15 to present, 2 credits
- Teaching assignment "CI Physiopathology and integrated pathology 2-diseases of the cardiovascular system" of the Master's Degree in Medicine and Surgery of the University of Trieste from 2014/15, 2015/16, 2016/17, 1 credit
- Teaching assignment - ADE "Electrocardiography" of the Master's Degree in Medicine and Surgery of the University of Trieste from 2016/17 up to date, 1 credit
- Teaching assignment - ADE "Advanced Electrocardiography" of the Master's Degree in Medicine and Surgery of the University of Trieste from 2016/17- 2024/25, 2 credits
- Teaching assignment - BLS course of the Master's Degree in Medicine and Surgery of the University of Trieste from 2019/20 up to date, 1 credit
- Teaching assignment - BLS course of the Master's Degree in Pharmacy and Pharmacy technicians, from 2023 up to date, 1 credit
- Teaching assignment – Simulated Medicine in Cardiological Emergencies – 1 credit, from 2019 up to date
- Responsible for training in Emergencies for the Clinical University Department of Medical, Surgical and Health Sciences of the University of Trieste from 2020/2021 up to date
- From the academic year 2019/20 up to date: Fourth year Traineeship, 1 credit
- From the academic year 2023/24 up to date: Third year Traineeship Coordinator, 5 credits
- From the academic year 2025/26 up to date: First year Traineeship Coordinator for Master's Degree in Medicine and Surgery, 1 credit
- From the academic year 2025/26 up to date: First year Traineeship Coordinator for Master's Degree in Dentistry, 1 credit
- From 2024, Professor at 2<sup>nd</sup> level Master's degree Clinical management of Cardiomyopathies
- From 2023, Professor at the Master Postgraduate Program of the University of Crete "Exercise and exercise-based cardiac rehabilitation in patients with cardiac disease"

##### ▪ *Tutoring activities*

- Tutoring of students of the Degree Course in Medicine and Surgery of the University of Trieste
- Tutor of simulated medicine in Emergencies of the Degree Course in Medicine and Surgery of the University of Trieste
- Internship tutor in pre-graduate Medical Biotechnology
- Tutoring Residents of Cardiovascular Diseases
- Tutoring of Emergency Medicine Residents
- Tutoring of Internal Medicine Residents
- Tutoring of Sports Medicine Residents
- Tutoring of Neurology Residents

#### Participation in congresses as a speaker or participant

- *Member of the Scientific Committee, Faculty* of the 21st Annual Meeting of the Alpe Adria Association of Cardiology, Trieste, Member of the Scientific Committee, from 07/06/2013 to 08/06/2013:
  - Moderator of one of the Poster sessions, 8 June 2013.
- 45<sup>th</sup> National Congress of the National Association of Hospital Cardiologists - ANMCO. Florence 29-31<sup>st</sup> May, 2014.
- Course for instructors in simulation, SimAv Center, University of Genoa, Genoa, 2016.

- *Invited speaker* at the "15<sup>th</sup> Annual Conference of the European Society of Cardiology Working Group on Myocardial & Pericardial Diseases in Belgrade, Serbia" from 05/10/2018 to 07/10/2018. Paper title: Hemopericardium after Pacemaker Implantation, 7 October 2018.
- *Member of the Scientific Committee, Faculty of the XI Edition of the Meetings in Cardiology - Heart Failure and Cardiomyopathies* from 18/10/2018 to 20/10/2018.
  - Moderator of the III session 20 October 2018.
- *Member of the Scientific Committee, Faculty of the 13<sup>th</sup> National Congress of the Atherosclerosis, Thrombosis, Vascular Biology-ATBV Study Group.* Bologna, from 23/11/2018 to 24/11/2018.
  - *Invited speaker.* Clinical Cardiologist Updates Session; title "Biomarkers in heart failure: current role and new frontiers" - 23<sup>th</sup> November 2018.
- *Invited speaker* "Cortona inspires the future"; Cortona (Arezzo) from 04/10/2019 to 05/10/2019
  - Title: "Guideline recommendations in the absence of evidence (Level C) - Acute coronary syndromes".
- Member of the Scientific Committee, Faculty of the 14<sup>th</sup> National Congress of the Atherosclerosis, Thrombosis, Vascular Biology-ATBV study group. Atherothrombosis: ordering the pieces of a pathophysiological and clinical mosaic. Ravenna, from 29/11/2019 to 30/11/2019.
- Faculty of the 80<sup>th</sup> National Congress of the Italian Society of Cardiology. Rome, from 12/12/2019 to 15/12/2019.
  - *Invited speaker.* Session: Emerging concepts in acute heart failure; title: "Emerging biomarkers", 13 December 2019
- National Congress of the Italian Society for Simulation in Healthcare, CRIBO Training Academy, Bologna. 08-09 January 2020
- *Invited presentation* at the "Cortona Inspires the future" conference. Cortona, from 18/09/2020 to 19/09/2020.
  - Title: Italian registry of patients undergoing cardiac surgery.
- Faculty of the 81<sup>st</sup> National Congress of the Italian Society of Cardiology. From 17/12/2020 to 20/12/2020, Rome;
  - *Invited speaker.* Session COVID-19 and cardiovascular diseases; title: "COVID -19: the role of ACE2" - 17/12/2020.
- Member of the Scientific Committee, Faculty at the International Congress "Advances in Heart Failure and Cardiomyopathies and Pericardial Diseases, from 22/4/2022 to 23/4/2022;
  - Moderator of the session Cardiomyopathy and heart failure: from bench to bedside, 23 April, 2022.
- Faculty of the 83<sup>rd</sup> National Congress of the Italian Society of Cardiology. Rome, from 15/12/2022 to 18/12/2022;
  - *Invited speaker.* Session "The modern use of biomarkers in the cardiovascular field"; title: "Proteomics and metabolomics" - 15 December 2022;
- Scientific director and Faculty of the Conference "The role of beta-amyloid in cardiovascular diseases", 28<sup>th</sup> March 2023, Trieste
  - Relation: Amyloid- $\beta$  (1-40) predicts long-term mortality in patients with acute myocardial infarction
  - Relation: Type 3 diabetes mellitus
- Faculty ESC Acute CardioVascular Care 2023, 24-26<sup>th</sup> March,, 2023, Marseille, France
  - Poster presentation "The impact glycosylated hemoglobin level on admission plasma beta amyloid in patients with acute myocardial infarction" 25/03/2023
- Faculty of the 84<sup>th</sup> National Congress of the Italian Society of Cardiology. Rome, from 14/12/2023 to 17/12/2023;
  - *Invited speaker.* Session "The management of the cardiac arrest between reasonable certainties and new challenges"; title: "Survival of cardiac arrest, critical points" - 15 December 2023.
- Faculty ESC Preventive Cardiology 2023, 13-15<sup>th</sup> April, 2023, Malaga, Spain;
  - Moderated oral poster presentation "Persistent hypovitaminosis D among Italian patients with

myocardial infarction" 15/04/2023.

- Faculty ESC Congress 2023, 25-28<sup>th</sup> August, 2023, Amsterdam, Netherlands;
  - Moderated oral poster presentation "NSTEMI MINOCA: clinical-instrumental characterization of a heterogeneous clinical enigma" 27/08/2023.
- Faculty ESC Acute CardioVascular Care 2024, 8-10<sup>th</sup> March, 2024, Athens, Greece;
  - 2<sup>o</sup> place ACVC winner (award session) or the oral presentation of the original scientific research: "Incremented Amyloid-beta values predict mortality during long-term follow-up in patients with acute myocardial infarction, both STEMI and NSTEMI".
- Faculty ESC Preventive Cardiology 2024, 25-27<sup>th</sup> April, 2024, Athens, Greece;  
Moderated oral poster presentations:
  - Co-existence of hypovitaminosis D and Diabetes Mellitus triple the incidence of severe CAD in women;
  - In-hospital dynamics of Trimethylamine N-oxide (TMAO) predicts major adverse cardiovascular events in patients with acute myocardial infarction;
  - Worst glycaemic status is associated with higher circulating Amyloid beta 1-40 in patients with acute myocardial infarction.
- 55<sup>o</sup> National Congress of the National Association of Hospital Cardiologists - ANMCO. Rimini, Italy, 16-18 May, 2024:
  - The complex world of non-critical coronary arteries disease;
  - Characteristics and outcome of patients with various type of acute coronary syndrome.
- Invited speaker and Faculty at the Congress "Piacenza Cardiac Arrest 2024. From Prevention to Treatment, Piacenza, Italy, 31<sup>th</sup> May 2024;
  - Title: "Sudden death risk stratification in myocarditis", 31 May 2024.
- Invited speaker and Faculty at the 8<sup>th</sup> International conference on controversies in vitamin D, "Vitamin D: a pleiotropic hormone"; Rome, 1-4 September 2024
  - Title: Hypertension/Heart failure; 2 sept 2024
- ERC Congress – Resuscitation 2024, 31<sup>th</sup> October -2<sup>nd</sup> November, Athens, Greece;
  - *Moderated poster presentation* Characteristics, in-hospital and long-term mortality of patients with myocardial infarction with and without out-of-hospital or in-hospital cardiac arrest.
- Faculty of the 85<sup>th</sup> National Congress of the Italian Society of Cardiology, Rome, from 12/12/2024 to 15/12/2024;
  - *Invited speaker*. Session "Out-of-hospital Cardiac Arrest 2024"; title "The importance of the first two links of the chain of survival: population training, mandatory BLS in schools/universities, and public access to AEDs" - 14 December 2024
  - *Moderator* Miscellanea 1 Session - 13 December 2024
  - Oral presentation of abstract "Gender differences in predictive IGF-1 features for major adverse cardiovascular events in patients with AMI"
  - Oral presentation of abstract "Simulation-based ultrasound training significantly enhances practical skills in medical students"
- Faculty ESC Acute CardioVascular Care 2025, 14-15<sup>th</sup> March, Florence, Italy;
  - Winner (1<sup>o</sup> place) ACVC for the oral presentation of the original scientific research: "Negative impact of low IGF-1 levels and hypovitaminosis D on coronary artery disease severity and prognosis in patients with AMI".
- 56<sup>o</sup> National Congress of the National Association of Hospital Cardiologists - ANMCO. Rimini, Italy, 15-17<sup>th</sup> May, 2025;
  - *Invited speaker*. Session Myocardial Fibrosis Session: "One, None, One Hundred Thousand"; title: "Current Therapeutic Approaches and Future Perspectives" - 15<sup>th</sup> May 2025;
  - Abstract presentation: Determinants of reduced 6-minutes walking distance and its prognostic value in patients with acute myocardial infarction;
  - Abstract presentation: The coexistence of a shorter 6MWD and Hypovitaminosis D doubles adverse outcome risk in patients with acute myocardial infarction.
- European Resuscitation Council (ERC) Congress, 23-25<sup>th</sup> October 2025, Rotterdam, Netherlands

## Moderated poster presentations:

- The IHCA Paradox: High Early Mortality, Yet Comparable Long-Term Survival in STEMI Patients;
- The Critical Window: ROSC Duration as a Determinant of Survival in STEMI Patients with Out-of-Hospital Cardiac Arrest;
- Prognostic Crossroads: How Arrest Location, ROSC, and Renal Function Shape Survival in STEMI.

- Publications** Plevritaki A, Volaklis K, Nakou E, Davos C, Kopidakis I, Kallergis E, Savva E, Simantirakis E, **Aleksova A**, Marketou M. **Functional Capacity Evaluation and Rehabilitation Strategies in Cardiac Amyloidosis: A Comprehensive Review.** J Clin Med. 2025 Oct 9;14(19):7111. doi: 10.3390/jcm14197111. PMID: 41096190. (IF: 2.9, Q1)
- Perone F, Loguercio M, Sabato F, Pasquini A, Ostojic M, Avagimyan A, Sileikiene V, Popiolek-Kalisz J, **Aleksova A**, Ambrosetti M. **Cardiac Rehabilitation After Mitral Valve Intervention: Tailored Assessment, Management, and Exercise Training.** J Cardiovasc Dev Dis. 2025 Jul 9;12(7):265. doi: 10.3390/jcdd12070265. PMID: 40710790. (IF: 2.3, Q1)
- Vianello E, Beltrami AP, **Aleksova A**, Janjusevic M, Fluca AL, Corsi Romanelli MM, La Sala L, Dozio E. **The Advanced Glycation End-Products (AGE)-Receptor for AGE System (RAGE): An Inflammatory Pathway Linking Obesity and Cardiovascular Diseases.** Int J Mol Sci. 2025 Apr 14;26(8):3707. doi: 10.3390/ijms26083707. PMID: 40332316. (IF: 4.9, Q1)
- Aleksova A**, Fluca AL, Pierri A, Barbati G, Beltrami AP, Padoan L, Merro E, Marketou M, Zwas D, D'Errico S, Sinagra G, Janjusevic M. **Amyloid  $\beta$ 1-40 Predicts Long-Term Mortality Rate in Patients With Acute Myocardial Infarction.** J Am Heart Assoc. 2025 Apr 15;14(8):e035620. doi: 10.1161/JAHA.124.035620. Epub 2025 Apr 3. PMID: 40178097. (IF: 6.1, Q1)
- Troian M, Lovadina S, Ravasin A, Arbore A, **Aleksova A**, Baratella E, Cortale M. **An Assessment of ChatGPT's Responses to Common Patient Questions About Lung Cancer Surgery: A Preliminary Clinical Evaluation of Accuracy and Relevance.** J Clin Med. 2025 Mar 1;14(5):1676. doi: 10.3390/jcm14051676. PMID: 40095693. (IF: 2.9, Q1)
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- Aleksova A**, Fluca AL, Beltrami AP, Dozio E, Sinagra G, Marketou M, Janjusevic M. **Part 1-Cardiac Rehabilitation After an Acute Myocardial Infarction: Four Phases of the Programme-Where Do We Stand?** J Clin Med. 2025 Feb 9;14(4):1117. doi: 10.3390/jcm14041117. PMID: 40004648. (IF: 2.9, Q1)
- Calligaris M, **Aleksova A**, Fluca AL, Janjusevic M, Carpi G, Stefanizzi D, Carnevali S, Curcio F, Puca AA, Cattaneo M, Beltrami AP. **Protective role of the longevity-associated BPIFB4 gene on cardiac microvascular cells and cardiac aging.** Vascul Pharmacol. 2025 Feb 3;158:107470. doi: 10.1016/j.vph.2025.107470. Epub ahead of print. PMID: 39909151. (IF: 3.5, Q2)
- Aleksova A**, Fluca AL, Janjusevic M, Padoan L, Pierri A, Chiaradia V, Munaretto L, Merro E, Barbati G, Hiche C, Gabrielli M, Lovadina S, Beltrami D, D'Errico S, Saw J, Fabris E, Di Lenarda A, Sinagra G. **Differences between MINOCA and type 2 myocardial infarction: An ITALIAN observational study.** Int J Cardiol. 2025 Feb 1; 420:132745. doi: 10.1016/j.ijcard.2024.132745. Epub 2024 Nov 26. PMID: 39592072. (IF: 3.2, Q1)
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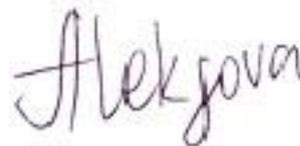
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subsequent amendments and additions, I authorize the processing of my personal data, limited to the purposes for which this curriculum was submitted by me.

The undersigned, aware of the penal sanctions in the case of untruthful declarations, the formation or use of false documents, referred to in art. 76 of Presidential Decree 445 of 12/28/2000, declares that the information contained in this Curriculum Vitae is true.

Trieste, 06/11/2025

Signature of the interested party

A handwritten signature in black ink that reads "Aleksova". The letters are cursive and slightly slanted.