

2TOMULEASA / Ciprian

Email: ciprian.tomuleasa@umfcluj.ro

Citizenship: Romanian

Professional experience:

Period	Position held / occupation	Employer
2023 - present	Research Professor	Medfuture Research Center Advanced Medicine, Iuliu Hatieganu University of Medicine and Pharmacy Cluj Napoca, Romania
2022 - present	Senior consultant in hematology	Department of Hematology, Ion Chiricuta Oncology Institute, Cluj Napoca, Romania
2017 - present	General Secretary of Hematology Committee, affiliated with the Romanian Health Ministry	Health Ministry of Romania
2021 - present	General Secretary of Cellular Therapies Committee, affiliated with the Romanian Health Ministry	Health Ministry of Romania
2017 - 2022	Attending physician in hematology	Department of Hematology, Ion Chiricuta Oncology Institute, Cluj Napoca, Romania
2017 - present	Lecturer in hematology	Department of Hematology, Iuliu Hatieganu University of Medicine and Pharmacy Cluj Napoca, Romania
2020 - 2023	Research Associate Professor	Medfuture Research Center Advanced Medicine, Iuliu Hatieganu University of Medicine and Pharmacy Cluj Napoca, Romania
2015 - 2020	Research Assistant Professor	Research Center for Functional Genomics, Biomedicine and Translational Medicine, Iuliu Hatieganu University of Medicine and Pharmacy Cluj Napoca, Romania
2013 - 2016	Resident physician in hematology	Department of Hematology, Iuliu Hatieganu University of Medicine and Pharmacy Cluj Napoca, Romania
2013 - 2015	Physician Scientist	Research Center for Functional Genomics, Biomedicine and Translational Medicine, Iuliu Hatieganu University of Medicine and Pharmacy Cluj Napoca, Romania

2011 - 2013	Postdoctoral Fellow	Department of Internal Medicine, Division of Gastroenterology and Hepatology, The Johns Hopkins University School of Medicine, Baltimore, MD, USA
2009 - 2011	Research Teaching Assistant	Department of Histology, Iuliu Hatieganu University of Medicine and Pharmacy Cluj Napoca, Romania
2007 - 2011	Research Assistant	Department of Immunology, Ion Chiricuta Oncology Institute, Cluj Napoca, Romania

Education and Training:

Period	Position	Institution	Type of training	Supervisor
2018, September	Visiting Physician	Department of Immunotherapy, National Cancer Center Tokyo, Japan	Training in immunotherapy for hematological malignancies	Professor Shigehisa Kitano
2017, October	Visiting Physician	Department of Stem Cell Transplantation, National Cancer Center Tokyo, Japan	Training in the clinical management of complications following allogeneic stem cell transplantation	Professor Yoshihiro Inamoto
2017, November	Visiting Physician	Department of Stem Cell Transplantation, Osaka International Cancer Center, Osaka, Japan	Training in allogeneic stem cell transplantation for T-cell malignancies	Professor Shigeo Fuji
2016 - 2017	EHA fellow	European Hematology Association	Training in clinical research and clinical trials	Scientific Board of the European Hematology Association
2015, June - October	Visiting Physician	Department of Stem Cell Transplantation and Cellular Therapies, University of Texas MD Anderson Cancer Center, Houston, USA	Training in haploidentical stem cell transplantation	Professor Stefan Ciurea
2014, June - October	Visiting Physician	Department of Stem Cell Transplantation and Cellular Therapies,	Training in allogeneic stem	Professor Stefan Ciurea

		University of Texas MD Anderson Cancer Center, Houston, USA	cell transplantation	
2013 - 2016	Resident Physician	Department of Hematology, Ion Chiricuta Oncology Institute, Cluj Napoca, Romania	Residency in hematology	Dr. Delia Dima / Professor Andrei Cucuianu
2011 - 2013	Ph.D. student	Department of Immunology, Iuliu Hatieganu University of Medicine and Pharmacy Cluj Napoca, Romania	Ph.D. in cancer immunology	Professor Victor Cristea
2011 - 2013	Postdoctoral Fellow	Department of Internal Medicine, Division of Gastroenterology and Hematology, The Johns Hopkins University School of Medicine, Baltimore, USA	Postdoctoral research in tumor biology	Professor Florin Selaru
2005 - 2011	Medical student	Faculty of Medicine, Iuliu Hatieganu University of Medicine and Pharmacy Cluj Napoca, Romania	M.D. studies	Faculty of Medicine
2001 - 2005	Highschool student	Calistrat Hogas National College, Piatra Neamt, Romania	Baccalaureate diploma	Highschool studies

Meaningful Accomplishments in Medicine:

- The in vitro **isolation of the first cancer stem cell line from Romania**, in March 2010, as a 4th year medical student (**Tomuleasa C**, Soritau O, Rus-Ciucu D, et al. Isolation and characterization of hepatic cancer cells with stem-like properties from hepatocellular carcinoma. J Gastrointestinal Liver Dis. 2010; 19(1):61-7).
- **Part of the team that has successfully carried out the first haploidentical stem cell transplantation in Romania**, in collaboration with the transplant unit from Fundeni Clinical Institute, in February 2015, as a 3rd year resident physician in clinical hematology (Tanase A, Tomuleasa C, Colita A, Ciurea SO. Haploidentical donors: can faster transplantation be life-saving for patients with advanced disease? Acta Haematologica 2016, 2016;135(4):211-6/ Tanase A, Tomuleasa C, Colita A, Ciurea SO. First successful haploidentical stem cell transplantation in Romania. Rom J Intern Med 2016, 2016 Sep 1;54(3):194-20.
- **Joint research publications with a Nobel Prize laureate.**

1. KRAS/NRAS/BRAF mutations as potential targets in multiple myeloma. Sergiu Pasca, Ciprian Tomuleasa, Gabriel Ghiaur, Delia Dima, Vlad Moisoiu, Cristian Berce, Cristina Stefan, **Aaron Ciechanover**, Hermann Einsele. *Frontiers in Oncology*, 2019, 9:1137.
 2. Targeting ubiquitination in myeloid malignancies. From basic research to drug discovery in MDS and AML. Rares Drula, Sabina Iluta, Diana Gulei, Delia Dima, Cristina Iuga, Anca Dana Buzoianu, Gabriel Ghiaur, **Aaron Ciechanover**, Ciprian Tomuleasa. *Blood Reviews*, 2022.
 3. Insights into the roles of ubiquitin ligase KPC1: from cell cycle control to NF-kB regulator. Diana Gulei, Rares Drula, Gabriel Ghiaur, Anca Dana Buzoianu, Ciprian Tomuleasa, **Aaron Ciechanover**. *Cancer Research*, 2023.
 4. The NF-kB subunit generated by KPC1-mediated ubiquitination and proteasomal processing suppresses tumor growth. Yelena Kravtsova-Ivantsiv, Gilad Goldhirsh, Ciprian Tomuleasa, Eli Pikarsky, **Aaron Ciechanover**. *Cancer Cell International* 2023.
 5. Proteasome inhibition in combination with immunotherapies: state-of-the-art in multiple myeloma. David Kegyes, Diana Gulei, Rares Drula, Diana Cenariu, Bogdan Tigu, Delia Dima, Alina Tanase, Sorina Badelita, Anca-Dana Buzoianu, Stefan Ciurea, Gabriel Ghiaur, Evangelos Terpos, **Aaron Ciechanover**, Hermann Einsele, Ciprian Tomuleasa. *Blood Reviews*, 2023.
- Member of the **World Health Organization Strategic Advisory Group of Experts on In Vitro Diagnostics** (Geneva, 2020).
 - **Organization of the Romanian ALL Group (RoALL)**, in collaboration with professor Alina Tanase (Fundeni Clinical Institute Bucharest) and Dr. Angela Dascalescu (Regional Institute of Oncology Iasi), to **implement the GMALL protocol for acute lymphoblastic leukemia, as well as reporting the data to the European LeukemiaNet** (professor Dieter Hoelzer) (2022).
 - **Organization of the National Registry for Hemophilia and Rare Coagulation Disorders**, in collaboration with the Romanian Society of Hematology, as a result of an international grant of the Novo Nordisk Haemophilia Foundation (2021)
 - **Hirsch Index – 31**

Member of Professional Societies:

Professional Society	Period	Type of membership
European Hematology Association	2014 - present	Member
American Society of Hematology	2014 - present	Member
Romanian Society of Hematology	2017 - present	Member
Romanian Society of Radiotherapy and Medical Oncology	2008 - present	Member
Romanian Society for Bone Marrow Transplantation	2016 - present	Founding member
Japanese Society of Hematology	2019 - present	Member
Society of Hematologic Oncology	2022 - present	Member

Active Participant, with oral communications or poster presentations:

National Scientific Events: 35 meetings

International Scientific Events: 41 meetings in Australia (Melbourne), Austria (Vienna), Belgium (Antwerp), China (Beijing), Croatia (Zagreb), Cyprus (Nicosia), Czech Republic (Brno), Denmark (Copenhagen), Egypt (Cairo), France (Angers, Bordeaux, Champéry, Paris), Germany (Berlin), Greece (Ioannina), Hungary (Budapest, Pecs, Szeged), Germany (Berlin, Jena, Lindau), Iceland (Reykjavik), Italy (Bologna, Milano, Rome, Viareggio), Japan (Osaka, Tokyo), Lithuania (Druskininkai), Moldova (Chisinau), the Netherlands (Duin en Kruidbergweg), Poland (Poznan, Krakow), Portugal (Faro), Romania (Bucharest, Cluj Napoca, Iasi, Poiana Brasov, Piatra Neamt, Predeal, Sinaia, Timisoara, Tulcea), Russia (Moscow), Serbia (Novi Sad), South Africa (Cape Town, Stellenbosch), Spain (Barcelona, Madrid, Sitges, Valencia), Switzerland (Geneva), Taiwan (Taipei), United Kingdom of Great Britain (Edinburgh, London) and United States of America (Atlanta, Boston, Baltimore, Honolulu, Houston, Orlando, San Diego, San Francisco).

Invited Speaker / Physician / Scientist:

Stellenbosch University, Stellenbosch, South Africa- November 2016

University of the Western Cape, Cape Town, South Africa – February 2017

People’s Liberation Army Navy Hospital, Beijing, China – September 2017, October 2019

National Cancer Center, Tokyo, Japan – October 2017

Osaka International Cancer Center, Osaka, Japan – October 2017

University of Iceland, Reykjavik, Iceland – March 2018

Reykjavik University, Reykjavik, Iceland – May 2021

Ohio State University, Columbus, OH, USA – December 2021

International scientific recognition :

- Moderator for the Session on CAR T Cells on the Pipeline – 5th European CAR T Cell Meeting, Rotterdam, The Netherlands, February 9th-11th, 2023
- Invited Speaker for the Session of Ultrarare Diseases – 21st European Congress of Internal Medicine, Athens, Greece, March 15th-18th, 2023.

Research grants coordinated:

No.	Funding mechanism	Projects	Position	Period	Partner budget (EURO)
1	Grant received after the Romania – European Economic Space (EES) International Research Grant Competition 2014-2016	Nanotechnology approach in Acute Myeloid Leukemia management – Collaboration with Norway (University of Bergen) – acronym: NanoLAM	Grant manager for the partner institution - Ion Chiricuta Oncology Institute (Principal investigator – Prof. Andrei Cucuianu, Iuliu Hatieganu University of Medicine and Pharmacy Cluj)	2014-2016	110.000

			Napoca). Co-principal investigator: Prof. Emmet McCormack – University of Bergen, Norway		
2	Internal Grant Competition of the Iuliu Hatieganu University of Medicine and Pharmacy, for young researchers, 2014-2015	Cell and molecular mechanisms of primary myelofibrosis	Principal investigator - Iuliu Hatieganu University of Medicine and Pharmacy	2014-2015	8.000
3	Grant received after the Romania–European Economic Space (EES) International Grant Competition 2015-2016	Innovative Nanoparticles-based Chemotherapy for Acute Myeloid Leukemia - Collaboration with Norway (University of Bergen) – acronym: NanoChemotherapy	Principal investigator - Iuliu Hatieganu University of Medicine and Pharmacy. Co-principal investigator: Prof. Emmet McCormack – University of Bergen, Norway	2015-2016	41.000
4	Grant received after the Young Research Team Competition, awarded by the Romanian Research Ministry	Massively parallel high-throughput DNA sequencing for the identification of microRNAs differentially expressed between the metastatic site and the	Principal investigator - Iuliu Hatieganu University of Medicine and Pharmacy	2016-2017	125.000

	and Education 2016-2017	tissue of origin in cancers of unknown primary site			
5	Internal Grant Competition of the Iuliu Hatieganu University of Medicine and Pharmacy, for medical students, 2015-2016	A synthetic lethality approach in the acute myeloid leukaemia chemotherapy: PARP inhibitors plus anthracycline plus decitabine vs anthracycline plus decitabine –in vitro efficacy testing	Grant mentor for Grigore Gafencu	2015- 2016	2.000
6	Internal Grant Competition of the Iuliu Hatieganu University of Medicine and Pharmacy, for medical students, 2015-2016	The efficacy of pirfenidone in primary myelofibrosis	Grant mentor for Sonia Selicean	2016- 2017	2.000
7	Grant received after the Romania - P.R. China International Bilateral Collaboration competition 2016- 2017	Invasive biomarkers for graft versus host disease following bone marrow hematopoietic stem cell transplantation	Principal investigator- Iuliu Hatieganu University of Medicine and Pharmacy. Co- principal investigator: Prof. Jianlian Shen – Navy General Hospital, Beijing, China	2016- 2017	9.533
8	Grant received after the FDI competition of the National Council	Modern training for healthcare professionals affiliated to the departments of	Principal investigator- Iuliu Hatieganu University of	2017	43.826

	for the Financing of University Education 2017	hematology, oncology and bone marrow transplantation	Medicine and Pharmacy		
9	Grant received after the FDI competition of the National Council for the Financing of University Education 2018	Correlation of the educational curricula in molecular medicine and translational onco-hematology with the European workforce demand	Principal investigator- Iuliu Hatieganu University of Medicine and Pharmacy	2018	38.922
10	Grant received from the National Research Ministry for Frontiers Research 2017-2022	Multifunctional magnetoplasmonic nanoparticles for point of care applications in acute myeloid leukemia, acronym: NanoTEX	Grant manager for Ion Chiricuta Oncology Institute. (Principal investigator: Prof. Emil Burzo, Babes Bolyai University Cluj Napoca, Romania)	2018-2022	180.000 (total grant value – 1.800.000)
11	Invited Professor 2018 Grant – Gabriel Ghiaur, Johns Hopkins University School of Medicine, from the National Research Ministry	Invited Professor Grant – Gabriel Ghiaur, Johns Hopkins University School of Medicine.	Principal investigator, for the Iuliu Hatieganu University of Medicine and Pharmacy.	2018	2.619
12	Grant received after the Romania - P.R. China International Bilateral Collaboration	Experimental Immunotherapy for hematological malignancies	Principal investigator, Iuliu Hatieganu University of Medicine and Pharmacy. Co-principal	2018 - 2019	8.609

	competition 2018-2019		investigator: Prof. Liren Qian, Navy General Hospital, Beijing, China		
13.	Grant received after the FDI competition of the National Council for the Financing of University Education 2019	Increase of the competitiveness of medical education by correlating the curricula to Anglo-Saxon standards	Principal investigator, Iuliu Hatieganu University of Medicine and Pharmacy	2019	41.916
14.	Grant received after the Romania–European Economic Space (EES) International Grant Competition – Collaboration with Iceland; 2020-2022	HE-RO-IS strategic collaboration in hematology – Iceland collaboration (Reykjavik University) – Acronym: HERO	Principal investigator, Iuliu Hatieganu University of Medicine and Pharmacy. Co-principal investigator: Prof. Olafur Eysteinn Sigurjonsson, Reykjavik University, Iceland	2020 - 2021	144.153
15.	Novo Nordisk Haemophilia Foundation International Grant 2020-2022	Strengthen haemophilia care in the north and establish a national registry in Romania – Romania 3	Principal investigator, Romanian Hematology Society	2020 - 2021	81.903
16.	Grant received from the National Research Ministry for Postdoctoral	Evaluation of the effect of human chorionic gonadotrophin in stem cell transplantation as a new method of	Grant mentor for Andrei Cismaru - MD, PhD, Iuliu Hatieganu	2020 - 2022	51.667

	Research 2020-2022	pretransplant mobilization	University of Medicine and Pharmacy		
17.	Grant received from the National Research Ministry for Postdoctoral Research 2020-2022	New generation preclinical model for evaluating the therapeutic role of microRNA-505-5p for metastasis limitation in melanoma	Grant mentor for Diana Gulei - PhD, Iuliu Hatieganu University of Medicine and Pharmacy	2020 - 2022	51.667
18.	Grant received from the National Research Ministry for Young Research Teams 2020-2022	Supporting a team of young researchers in creating an independent research program based on the use of the Sleeping Beauty protocol for developing CAR T cells – Acronym: SEATTLE	Principal investigator, Iuliu Hatieganu University of Medicine and Pharmacy	2020 - 2022	93.001
19.	Grant received after the Romania – Wallonia/Belgium International Bilateral Collaboration competition 2020-2022	Consolidation of the Wallonia-Romania collaboration for setting of new standard operation procedures (SOP) in immunotherapy	Principal investigator, Iuliu Hatieganu University of Medicine and Pharmacy. Co-principal investigator: Prof. Jo Caers, University of Liege, Belgium	2021-2022	10.561
20.	Grant received from the National Research Ministry for Exploratory Research 2020-2023	Harnessing the ubiquitin-proteasome system (UPS) to suppress tumor's growth via manipulating generation of NF-kB – Acronym: ROME	Co-principal investigator, Iuliu Hatieganu University of Medicine and Pharmacy. Principal investigator: Prof. Aaron	2021-2024	250.000

			Ciechanover – Nobel Prize in Chemistry 2004		
21.	Grant received from the National Research Ministry for Exploratory Research 2020-2023	The role of stromal CYP26 in retinoid homeostasis in the context of myelodysplastic syndromes pathogenesis and response to treatment Acronym: LONDON	Co-principal investigator, Iuliu Hatieganu University of Medicine and Pharmacy. Principal investigator: Prof. Gabriel Ghiaur	2021 - 2024	250.000
22.	Novo Nordisk Haemophilia Foundation International Grant 2022-2024	Strengthen haemophilia care in the north-eastern part of Romania and in Moldova and establish a registry in Moldova – Romania 4	Principal investigator, Romanian Hematology Society	2022 - 2024	102.779
23.	Grant received from the National Health Ministry, for providing outreach healthcare services to vulnerable population from isolated areas 2022-2023	Sequencing as standard-of-care in diagnosis of hemophilia and rare coagulation disorders in Romania	Principal investigator, Iuliu Hatieganu University of Medicine and Pharmacy. Grant director: Romanian Hemophilia Association (Mr. Daniel Andrei)	2022 - 2023	222.222
24.	Grant received from the Romanian	Mathematical model for clonal hematopoiesis	Principal investigator, Iuliu Hatieganu University of	2023-2024	10.000

	Academy of Science		Medicine and Pharmacy.		
25.	Grant received from the European Hematology Association	CAR NK-cells for tumor-associated macrophage immunomodulation – a new era of immunotherapy	Principal investigator, Iuliu Hatieganu University of Medicine and Pharmacy.	2024	20.000
26.	Grant received from the Romanian Government, National Plan for Resilience (PNRR)	Creating a Research Group of Excellence to develop cell and immune therapy technology to target the tumor microenvironment	Co-principal investigator, Iuliu Hatieganu University of Medicine and Pharmacy. Principal investigator: Prof. Hermann Einsele	2024-2026	996.125
Total amount of continuous funding between 2014 - present					2.897.503 EURO

Editorial experience:

2018 – present, editorial board – Medicine and Pharmacy Reports.

2018 – present, editorial board – Journal of Clinical Medicine, impact factor: 5.688.

2019 – present, editorial board – Annals of Translational Medicine, impact factor: 3.689.

2019: Invited editor for a special issue: Frontiers in Pharmacology, impact factor: 3.92

2020: Invited editor for a special issue: Frontiers in Medicine, impact factor: 5.091

2021: Invited editor for a special issue: Frontiers in Medicine, impact factor: 5.091

Coordinator of M.D. / Ph.D. thesis / postdoctoral research for.

M.D. students.

No.	Student name	Thesis title	Year of graduation
1.	Patric Teodorescu	Algorithm of diagnosis for cancers of unknown primary site	2017
2.	Daiana Temian	The role of epigenetics in breast cancer	2018
3.	Alexandra Sacu	Role of microRNA-19b in the progression of chronic lymphocytic leukemia into Richter syndrome	2018
5.	Katharina Vogel	Pulmonary complications following chemotherapy in hematological malignancies	2019
6.	Vlad Moisoiu	Mathematical modelling for the response to therapy in chronic myeloid leukemia	2019
7.	Wilhelm-Thomas Micu	The role of CYP26A4 in the bone marrow niche for acute promyelocytic leukemia	2019
8.	Sergiu Pasca	The use of bioinformatics for sub-classifying acute myeloid leukemia	2020
9.	Gina Dobie	Role of RAMAN spectroscopy in T cell lymphomas	2020
10.	Jerome Dobrowolski	The role of basophilia in chronic myeloproliferative disorders	2020
11.	Ioana Pustan	Management of central venous approach for the immunocompromised patient	2020
12.	Cedric Richlitzki	Correlation between T-cell lymphoma and alcohol	2021
13.	Sebastian Rauch	Development of a mouse model of acute myeloid leukemia	2021
14.	Elena-Maria Santa	The role of MEWS score in hematological patients eligible for ICU transfer	2021

15.	Anthi Sarika	EuroFlow flow cytometry for chronic lymphocytic leukemia	2021
16.	Jakob Dominicus Anton Steinheber	Role of SERS spectroscopy in the differential diagnosis of CNS involvement for hematological malignancies	2021
17.	Elias Alexander von Gamm	The role of epigenetics in Down Syndrome-associated acute leukemia	2022
18.	Rebecca Waniek	Preclinical mouse model for acute myeloid leukemia	2022
19.	Mihnea Micu	Prognostic role of accompanying T cells associated with the tumor microenvironment in MALT lymphomas	2022
20.	Cristina Ciulavu	Management of patients with rare hematological malignancies infected with SARS-CoV-2 virus, under therapy with monoclonal antibody-based drugs	2022
21.	Raymond Nagy	The role of blinatumomab in the treatment of B-cell acute lymphoblastic leukemia	2022

Ph.D. thesis.

No.	M.D. name	Clinical residency	Title of the Ph.D. thesis	Year of graduation
1.	Valentina Sas	Pediatrics	Genetic mutations in Down syndrome-associated dyserythropoiesis and dysmegakaryopoiesis	2021
2.	Catalin Constantinescu	Anesthesiology – Intensive Care	Management in the intensive care unit of patients with hematological malignancies,	2022

			following immunotherapy and stem cell transplantation	
3.	Minodora Desmirean	Pathology	The role of biotechnology in the diagnosis and prognosis of T-cell lymphomas	2022
4.	Dalma Deak	Hematology	Molecular mechanisms of central nervous system dissemination of acute leukemias	Still in training
5.	Patric Teodorescu	Hematology	The role of mechanics in cellular plasticity	Still in training
6.	Sabina Iluta	Hematology	Age-related clonal hematopoiesis in hematological malignancies	Still in training
8.	Ionut Hotea	Hematology	Prognostic factors in hemophilia	Still in training
9.	Ioana Tichil	Plastic and reconstructive surgery	Transfusion characteristics for the plastic and reconstructive surgery patient	2024
10.	Ciprian Jitaru	Hematology	Use of the resources of the Romanian medical system in treating hematological malignancies	Still in training
11.	Tanase Timis	Medical Oncology	Molecular therapies with therapeutic purpose in malignant melanoma	Still in training
12.	Maria Santa	Hematology	Modern approach in hemophilia management	Still in training
13.	Anamaria Bancos	Hematology	Molecular aspects in central nervous system involvement	Still in training

			for hematological malignancies	
14.	Raluca Munteanu	Animal facility	Development of a murine model for solid malignancies	Still in training

Postdoctoral researchers

No.	M.D. name	Clinical residency	Title of the postdoctoral research	Period
1.	Andrei Cismaru	Medical Oncology	Evaluation of the effect of human chorionic gonadotrophin in stem cell transplantation as a new method of pretransplant mobilization	2020 - 2022
2.	Diana Gulei	Biochemistry	New generation preclinical model for evaluating the therapeutic role of microRNA-505-5p for metastasis limitation in melanoma	2020 - 2022

Experience in clinical research and clinical trials

No.	Disease	Title	Sponsor / International investigator / Period	Role in the study
1.	FLT3-positive acute myeloid leukemia, frontline	Phase III clinical trial investigating quizartinib plus standard chemotherapy versus	Daiichi-Sankyo, 2018-2020	Co-investigator for Ion Chircuta Oncology

		<p>standard chemotherapy, for patients with therapy-naïve FLT3-IDT positive acute myeloid leukemia</p>		<p>Institute Cluj Napoca (Principal investigator: Dr. Delia Dima)</p>
2.	<p>Therapy-naïve T-cell lymphomas</p>	<p>Prospective, longitudinal, multinational registry of patients with newly diagnosed peripheral T cell lymphoma</p>	<p>Associazione Angela Serra per la Ricerca sul Cancro Centro Oncologico Modenese - Medical Oncology, School of Medicine University of Modena and Reggio Emilia Modena, Italy, 2018 - present</p>	<p>Principal investigator for Ion Chircuta Oncology Institute Cluj Napoca</p>
3.	<p>Paroxysmal nocturnal hemoglobinuria, frontline</p>	<p>A phase III randomized, double-blind, multicenter study to compare the efficacy, safety, pharmacokinetics, and immunogenicity between SB12 and</p>	<p>Samsung Bioepis, 2019-2022</p>	<p>Co-investigator for Ion Chircuta Oncology Institute Cluj Napoca (Principal</p>

		eculizumab in subjects with paroxysmal nocturnal hemoglobinuria		investigator: Dr. Delia Dima)
4.	Acute myeloid leukemia, unfit	Real world treatment patterns and clinical outcomes in unfit AML patients receiving first line systemic treatment or best supportive care (study H19-743)	Abbvie, 2019-2020	Principal investigator for Ion Chircuta Oncology Institute Cluj Napoca
5.	Mantle cell lymphoma, unfit	A Phase 3 Randomized, Open-Label, Multicentre Study Comparing Zanubrutinib (BGB-3111) plus Rituximab Versus Bendamustine plus Rituximab in Patients with Previously Untreated Mantle Cell Lymphoma Who Are Ineligible for Stem Cell Transplantation	BeiGene, 2023 - present	Co-investigator for Ion Chircuta Oncology Institute Cluj Napoca (Principal investigator: Dr. Delia Dima)
6.	Therapy-naïve primary myelofibrosis	A Phase 3 Randomized, double-blind, active-control study of CPI-0610 and ruxolitinib versus placebo and ruxolitinib in JAKi treatment naïve MF	Constellation Pharmaceuticals, 2021 - 2022	Principal investigator for Ion Chircuta Oncology Institute Cluj Napoca

		patients (MANIFEST-2)		
7.	Hematological malignancies	Evaluation of the safety of pegfilgrastim in the primary prophylaxis of febrile neutropenia in patients with myelosuppressive chemotherapy	Totem Communication, 2022	Principal investigator for Ion Chircuta Oncology Institute Cluj Napoca
8.	Hemophilia A	A multinational, open-label, controlled trial to investigate efficacy and safety of NNC0365-3769 (Mim8) in adults and adolescents with haemophilia A with or without inhibitors (FRONTIER-2)	Novo Nordisk Pharmaceuticals, 2022 - 2024	Principal investigator for Ion Chircuta Oncology Institute Cluj Napoca
9.	Relapsed/ refractory follicular lymphomas	Towards personalized medicine for refractory/relapsed Follicular Lymphoma patients: the Cantera/Lupiae registry	European Hematology Association (EHA) Lymphoma Group, 2022 – present	Principal investigator for Ion Chircuta Oncology Institute Cluj Napoca
10.	Primary myelofibrosis	A multi-country, real-world study to explore treatment patterns, effectiveness and healthcare resource utilization for patients	Abbvie, 2022	Principal investigator for Ion Chircuta Oncology

		diagnosed with myelofibrosis through chart review (METER)		Institute Cluj Napoca
11.	Polycythemia vera	A Prospective, Multicenter, Non-interventional, Observational, Post-authorization Safety Study of Ropeginterferon alfa-2b in Polycythemia Vera Patients (Besremi-PASS)	AOP Orphan, 2022 - present	Principal investigator for Ion Chircuta Oncology Institute Cluj Napoca
12.	Relapsed / refractory multiple myeloma	A phase 3, two-stage, randomized, multicenter, open label study comparing CC-92480, bortezomib and dexamethasone (480 Vd) versus pomalidomide, bortezomib and dexamethasone (PVd) in subjects with relapsed or refractory multiple myeloma.	Bristol Myers Squibb, 2023-present	Principal investigator for Ion Chircuta Oncology Institute Cluj Napoca
13.	Relapsed / refractory follicular lymphoma and marginal zone lymphoma	A retrospective multicenter, non-interventional study to generate a real-world comparator cohort in	Bristol Myers Squibb, 2022	Principal investigator for Ion Chircuta Oncology

		adult patients with relapsed or refractory follicular lymphoma and marginal zone lymphoma		Institute Cluj Napoca
14.	Frontline, primary myelofibrosis	A Phase 1b, Open-Label, Dose-Finding Study to Assess the Safety, Tolerability, and Preliminary Efficacy of BMS-986158 Monotherapy and in Combination with Either Fedratinib or Ruxolitinib in Subjects with DIPSS-Intermediate or High Risk Myelofibrosis	Bristol Myers Squibb, 2023 - 2024	Principal investigator for Ion Chircuta Oncology Institute Cluj Napoca
15	Frontline, MPN-associated fibrosis	A phase I, double-blind, randomized study to compare the efficacy and safety of luspatercept (ACE-536) versus placebo in subjects with myeloproliferative neoplasm-associated myelofibrosis on concomitant JAK2 inhibitor therapy and	Bristol Myers Squibb, 2023 - present	Principal investigator for Ion Chircuta Oncology Institute Cluj Napoca

		who require red cell transfusions		
16.	Relapsed/refractory paroxysmal nocturnal hemoglobinuria	A phase 1b, proof-of-concept study for the evaluation of safety, tolerability, pharmacokinetics, pharmacodynamics and preliminary efficacy of OMS906 for patients with nocturnal paroxysmal hemoglobinuria	Omeros, 2023	Principal investigator for Ion Chircuta Oncology Institute Cluj Napoca
17.	Mature B-cell malignancies	A phase 1, open label, multicenter, dose-escalation study of SGR-1505 as monotherapy in mature B-cell malignancies	Schrodinger, 2023- present	Principal investigator for Ion Chircuta Oncology
18.	Multiple myeloma	A Prospective, Observational Study to Assess the Real-World Usage and Outcomes of HyQvia in Patients with Multiple Myeloma diagnosed with Secondary Immunodeficiency	Takeda, 2024 - present	Principal investigator for Ion Chircuta Oncology

19.	Primary myelofibrosis, frontline	A frontline, phase 3, randomized, double-blind, add-on study evaluating the safety and efficacy of navtemadlin plus ruxolitinib vs. placebo plus ruxolitinib in myelofibrosis patients who have a suboptimal response to ruxolitinib	Kartos, 2024 - present	Principal investigator for Ion Chiricuta Oncology
20.	Follicular lymphoma, frontline	A Phase 3, Multicenter, Randomized, Open-Label Trial to Evaluate the Safety and Efficacy of Epcoritamab + Rituximab and Lenalidomide (R2) compared to Chemoimmunotherapy in Previously Untreated Follicular Lymphoma (EPCORETMFL-2)	Abbvie, 2024 - present	Principal investigator for Ion Chiricuta Oncology
21.	Chronic lymphocytic leukemia, refractory to 1 st line	A Global Multicenter, Open Label, Randomized Phase 3 Registrational	Ascentage Pharma, 2024 - present	Principal investigator for Ion Chiricuta Oncology

		Study of Lisaftoclax (APG-2575) in Previously Treated Patients with Chronic Lymphocytic Leukemia/Small Lymphocytic Lymphoma (GLORA Study)		
22.	Relapsed/refractory B-cell malignancies	A First-in-Human, Multicenter, Multinational Phase 1a/1b, Open-label, Dose-escalation and Dose-expansion Study to Evaluate the Safety, Tolerability, Pharmacokinetics, and Pharmacodynamics of HDP-102 in Patients with Relapsed/Refractory positive B cell malignancies.	Heidelberg Pharma AG, 2024- present	Principal investigator for Ion Chiricuta Oncology Institute Cluj Napoca
23	Essential thrombocythemia	ROP-ET: A Phase III, single arm, multicenter study to evaluate the efficacy and safety of ropeginterferon alfa-2b in essential thrombocythemia	AOP Pharma, 2024 - present	Principal investigator for Ion Chiricuta Oncology Institute Cluj Napoca

		patients who are intolerant or refractory to or not eligible for other cytoreductive treatments		
24.	Chronic lymphocytic leukemia, 1 st line	A phase 3, randomized study to compare the efficacy and safety of nemtabrutinib versus chemoimmunotherapy for previously untreated chronic lymphocytic leukemia / small lymphocytic lymphoma without TP53 aberrations (Belwave 008)	MSD, 2024 - present	Principal investigator for Ion Chircuta Oncology Institute Cluj Napoca
25.	Hemophilia A	A multinational, open-label, controlled trial to investigate efficacy and safety of NNC0365-3769 (Mim8) in adults and adolescents with haemophilia A with or without inhibitors (FRONTIER-4)	Novo Nordisk, 2024 - present	Principal investigator for Ion Chircuta Oncology Institute Cluj Napoca
26.	Chronic lymphocytic leukemia	Phase IV trial to evaluate the results in current clinical practice for patients	Astra Zeneca, 2023 - present	Principal investigator for Ion Chircuta

		with chronic lymphocytic leukemia treated with acalabrutinib in Romania (REACH)		Oncology Institute Cluj Napoca
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Organizers of Scientific events:

2015, September 11, Cluj Napoca, Romania:

Nanotechnology in leukemia chemotherapy - Congress president.

2016, March 11-12, Cluj Napoca, Romania: Insights in hematology, 1st edition - Congress president

2017, March 10-11, Cluj Napoca, Romania: Insights in hematology, 2nd edition - Congress president

2017, September 9th, Beijing, China: Beijing - Cluj 2017 Hematology Summit Forum

2018, March 9-10, Cluj Napoca, Romania: Insights in hematology, 3rd edition - Congress president

2019, May 12-14, Cluj Napoca, Romania: Insights in hematology, 4th edition - Congress president

2020, September 19th-20th, online edition: Insights in hematology, 5th edition - Congress president

2021, September 19th-20th, hybrid edition: Insights in hematology, 6th edition - Congress president

2022, September 19th-20th, on-site edition: Insights in hematology, 7th edition - Congress president

2023, September 10th-12th, on-site edition: Insights in hematology, 8th edition - Congress president

2024, May 9th-10th, on-site edition: Insights in hematology, 9th edition - Congress president

Initiator and Organizer of the **KEYNOTE SPEAKER IN HEMATOLOGY SERIES**

- Aaron Ciechanover – Technion Institute of Technology, Haifa, Israel
Nobel Prize in Chemistry 2004 (December 2018)
- Anders Tveita – University of Oslo, Oslo, Norway (July 2019)
- Hermann Einsele – University of Wurzburg, Wurzburg, Germany (October 2019)
- Erik Aerts – University of Zurich, Zurich, Switzerland (October 2019)
- Gabriel Ghiaur – Johns Hopkins University, Baltimore, MD, USA (November 2019)
- Dieter Hoelzer – University of Frankfurt, Germany (November 2021)
- Masimo Federico – University of Modena, Italy (February 2022)
- Aaron Ciechanover - Technion Institute of Technology, Haifa, Israel (August 2022)
- William Kaelin Jr – Harvard Medical School, Boston, USA (May 2024)

Nobel Prize in Medicine, 2019

Publications:

Books:

1. NANOPHARMACOLOGY IN LEUKEMIA CHEMOTHERAPY. Andrei Cucuianu, **Ciprian Tomuleasa**, Anca Bojan, Cristian Berce, Simion Astilean, Emmet McCormack. Editura Cartea Ardeleana, Cluj Napoca, 2015. ISBN 978-606-8699-74-5.
2. CHIMIOTERAPIE HEMATOLOGICA. **Ciprian Tomuleasa**, Mariana Patiu, Anca Bojan, Mihnea Zdrenghea, Cristian Berce, Ioana Frinc, Bobe Petrushev, Delia Dima, George Calin, Alina Tanase, Stefan Ciurea. Editura Cartea Ardeleana, Cluj Napoca, 2016. ISBN 978-606-8770-30-7.
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4. LEUCEMIA MIELOIDA CRONICA. DE LA TERAPIA CU INHIBITORI DE TIROZIN KINAZE LA TRANSPLANT. **Ciprian Tomuleasa**, Delia Dima, Adrian Trifa. Editura Cartea Ardeleana, Cluj Napoca, 2016. ISBN 978-606-8770-98-7.
5. NEOPLASMELE MIELOPROLIFERATIVE. Cristina Bagacean, Iulia Berceanu, Delia Dima, Bogdan Fetica, Jean-Cristophe Ianotto, Mariana Patiu, Adrian Tempescul, **Ciprian Tomuleasa**, Adrian Trifa, Mihnea Zdrenghea. Sub redactia Mihnea Zdrenghea. Editura Casa Cartii de Stiinta, Cluj Napoca, 2017. ISBN 978-606-17-1135-2.
6. GHID DE TRANSPLANT MEDULAR. Alina Tanase, **Ciprian Tomuleasa**. Editura Cartea Ardeleana, ISBN 978-606-797-156-9, Cluj Napoca, 2017.

7. GHIDUL ADULTULUI CU HEMOFILIE. Melen Brinza, Cristina Tarniceriu, Adina Traila, Ciprian Tomuleasa. Editura Medicala. ISBN 978-973-39-0941-5, Bucuresti, 2023

Book chapters:

International:

1. TYPES OF RESEARCH DESIGNS. Fedor Moissenko, Cornelia Braicu, **Ciprian Tomuleasa**, Ioana Berindan-Neagoe. In "CANCER RESEARCH AND CLINICAL TRIALS IN DEVELOPING COUNTRIES". Springer Science Books, ISBN 978-3-319-18443-2, Cape Town, South Africa 2016.

2. THEORETICAL MODELS OF HEMATOPOIETIC CELL DYNAMICS RELATED TO BONE MARROW TRANSPLANTATION. Radu Precup, Delia Dima, Ciprian Tomuleasa, Marcel Adrian Serban, Lorand Parajdi. In "Frontiers in Stem Cell and Regenerative Medicine Research". Betham Science Publishers, 2017.

3. NON-CODING RNAS IN LUNG CANCER ANGIOGENESIS. Cornelia Braicu, Ciprian Tomuleasa, Diana Gulei, George Adrian Calin, Ioana Berindan-Neagoe. In "Physiologic and Pathologic Angiogenesis - Signaling Mechanisms and Targeted Therapy", book edited by Dan Simionescu and Agneta Simionescu, ISBN 978-953-51-3024-6, Print ISBN 978-953-51-3023-9, 2017.

4. PRIMARY CENTRAL NERVOUS SYSTEM LYMPHOMA. Mihnea Zdrenghea, Delia Dima, **Ciprian Tomuleasa**, Horia Bumbea, Cristina Bagacean. In " New Approaches to the Management of Primary and Secondary CNS Tumors is published " Intech, ISBN 978-953-51-3052-9, 2017.

5. THE USEFULNESS OF BIOMARKERS FOR DIAGNOSIS. Patric Teodorescu, Sergiu Pasca, **Ciprian Tomuleasa**. In "Pineal region lesions. Management strategies and controversial issues. Springer – Zurich, 2020, ISBN 978-3-030-50912-5.

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2. ROLUL PROGNOSTIC AL CITOGENETICII SI AL BIOLOGIEI MOLECULARE IN TRANSPLANTUL AUTOLOG DE CELULE STEM HEMATOPOIETICE. **Ciprian**

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4. EVALUAREA CARDIACA PENTRU TRANSPLANTUL DE CELULE STEM

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In extenso publications:

Original Papers in International Scientific Indexed Journals:

1. HORIZON 2020. FUNDS TO HELP EASTERN EUROPE CLOSE THE GAP. Cristian Berce, **Ciprian Tomuleasa**, Radu Meza. Nature 2017, 541(7636):157-157. **impact factor: 38.138.**
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8. CANCER-ASSOCIATED RS6983267 SNP AND ITS ACOMPANYING RNA CCAT2 INDUCE MYELOID MALIGNANCIES VIA UNIQUE SNP-SPECIFIC RNA MUTATIONS. Maitri Shah, Valentina Pileczki, Linda Fabris, Manuela Ferracin, Roxana Redis, Maria Ciccone, Xinna Zhang, Masayoshi Shimizu, Cristian Rodriguez-Aguayo, Maria Angelica Cortez, Cristina Ivan, Taghi Manshour, Steliana Calin, Jan Parker-Thornburg, Asha Multani, James Welsh, Marcos Estecio, Hui Ling, **Ciprian Tomuleasa**, Delia Dima, Hui Yang, M. James You, Srdan Verstovsek, Milan Radovich, Katy Rezvani, Elizabeth Shpall, Leonard Girnita, Ioana Berindan-Neagoe, Riccardo Fodde, Carlos Bueso-Ramos, Mihai Gagea, Guillermo Garcia-Manero, Ines Almeida, Daniela Nedelcu, Muharrem Muftuoglu, Pinaki Banerjee, Mustafa Badiwi, George Calin. *Genome Research* 2017, **impact factor: 11.351.**
 9. UNEXPLAINED HEMORRHAGIC SYNDROME? CONSIDER ACQUIRED HEMOPHILIA A OR B. Catalin Constantinescu, Ciprian Jitaru, Sergiu Pasca, Delia Dima, Noemi Dirzu, Daniel Coriu, Joanna Zdziarska, Gabriel Ghiaur, Johny Mahlangu, **Ciprian Tomuleasa**. *Blood Reviews*, 2021, in press. **impact factor: 10.626.**
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 11. SWITCHING FROM SALVAGE CHEMOTHERAPY TO IMMUNOTHERAPY IN ADULT B-CELL ACUTE LYMPHOBLASTIC LEUKEMIA. David Kegyes, Ciprian Jitaru, Gabriel Ghiaur, Stefan Ciurea, Dieter Hoelzer, **Ciprian Tomuleasa**, Robert Peter Gale. *Blood Reviews*, 2023, **impact factor: 10.626.** in press.
 12. PROTEASOME INHIBITION IN COMBINATION WITH IMMUNOTHERAPIES: STATE-OF-THE-ART IN MULTIPLE MYELOMA. David Kegyes, Diana Gulei, Rares Drula, Diana Cenariu, Bogdan Tigu, Delia Dima, Alina Tanase, Sorina Badelita, Anca-Dana Buzoianu, Stefan Ciurea, Gabriel Ghiaur, Evangelos Terpos, Aaron Ciechanover,

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13. DIVINE MESSENGERS: ARE EXOSOMES THE HERMESES OF MODERN MOLECULAR ONCOLOGY? **Ciprian Tomuleasa**, Cornelia Braicu, Pamela Monroig, Andrei Cucuianu, Ioana Berindan-Neagoe, George A. Calin. Cell Death Differentiation. 2015; 22(1):34-45. **impact factor: 8.371**.
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16. ANTIBODY CONJUGATED, RAMAN-TAGGED HOLLOW GOLD NANOSPHERES FOR SPECIFIC TARGETING AND MULTIMODAL DF/SERS/TPE-FLIM IMAGING OF CD19(+) B LYMPHOBLASTS. Timea Nagy-Simon, Andra-Sorina Tatar, Ana-Maria Craciun, Adriana Vulpoi, Maria-Ancuta Jurj, Adrian Florea, **Ciprian Tomuleasa**, Ioana Berindan-Neagoe, Simion Astilean, Sanda Boca. ACS Applied Materials & Interfaces, in press. **impact factor: 7.145**.
17. THE ROLE OF MICRORNAS IN THE PATHOGENESIS OF HIV-RELATED LYMPHOMAS. Ravnit Grewal, Andrei Cucuianu, Carmen Swanepoel, Delia Dima, Bobe Petrushev, Bogdan Pop, Ioana Berindan-Neagoe, Emmanuel Akin Abayomi, **Ciprian Tomuleasa**. Critical Reviews in Clinical Laboratory Sciences 2015, 52(5):232-41. **impact factor: 7.00**.
18. PITFALLS IN PATENTING ACADEMIC CAR-T CELLS THERAPY. Catalin Constantinescu, Roxana Constantinescu, Jon Thor Bergthorsson, Victor Greiff, Alina Tanase, Anca Colita, Diana Gulei, **Ciprian Tomuleasa**. Expert Opinion on Therapeutic Patents, 2023, impact factor: 6.714, in press.

19. PSEUDOGENE INTS6P1 REGULATES IT'S CONGNATE GENE INTS6 THROUGH COMPETITIVE BINDING OF MIR-17-5P IN HEPATOCELLULAR CARCINOMA. Haoran Peng, Masaharu Ishida, Atsushi Saito, Atsushi Kamiya, James P. Hamilton, Rongdang Fu, Alexandru V. Olaru, Fangmei An, Irinel Popescu, Razvan Iacob, Simona Dima, Sorin T. Alexandrescu, Razvan Grigorie, Anca Nastase, Ioana Berindan-Neagoe, **Ciprian Tomuleasa**, Florin Graur, Florin Zaharia, Michael S. Torbenson, Esteban Mezey, Minqiang Lu, Florin M. Selaru. *Oncotarget* 2015; ;6(8):5666-77. **impact factor: 6.63.**
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21. THE NF-KB P50 SUBUNIT GENERATED BY KPC1-MEDIATED UBIQUITINATION AND LIMITED PROTEASOMAL PROCESSING, SUPPRESSES TUMOR GROWTH. Yelena Kravtsova-Ivantsiv, Gilad Goldhirsh, Ciprian Tomuleasa, Eli Pikarsky, Aaron Ciechanover. *Cancer Cell International* 2023, in press. **impact factor: 6.436.**
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31. THE POTENTIAL EQUIVALENTS OF TET2 MUTATIONS. Sergiu Pasca, Ancuta Jurj, Mihnea Zdrenghea, **Ciprian Tomuleasa**. Cancers, 2021, in press. **impact factor: 6.126.**
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37. MICRORNA-155-5P PLAYS A CRITICAL ROLE IN TRANSIENT LEUKEMIA OF DOWN SYNDROME BY TARGETING TUMOR NECROSIS FACTOR RECEPTOR SUPERFAMILY MEMBERS. Valentina Sas, Sergiu Sas, Ancuta Jurj, Laura Pop, Liviuta Budisan, Hideki Muramatsu, Delia Dima, Patric Teodorescu, Sabina Iluta, Cristina Turcas, Anca Onaciu, Raluca Munteanu, Diana Gulei, Alina-Andreea Zimta, Alexander von Gamm, Cristina Blag, Gheorghe Popa, Smaranda Arghirescu, Margit Serban, Sorin Man, Mirela Marian, Cristian Berce, Anca Colita, Alina Tanase, Mihnea Zdrenghia, Seiji Kojima, Diana Gulei, Yoshiyuki Takahashi, **Ciprian Tomuleasa**. Cellular Physiology and Biochemistry, 2020, in press. **impact factor: 5.5**.
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