

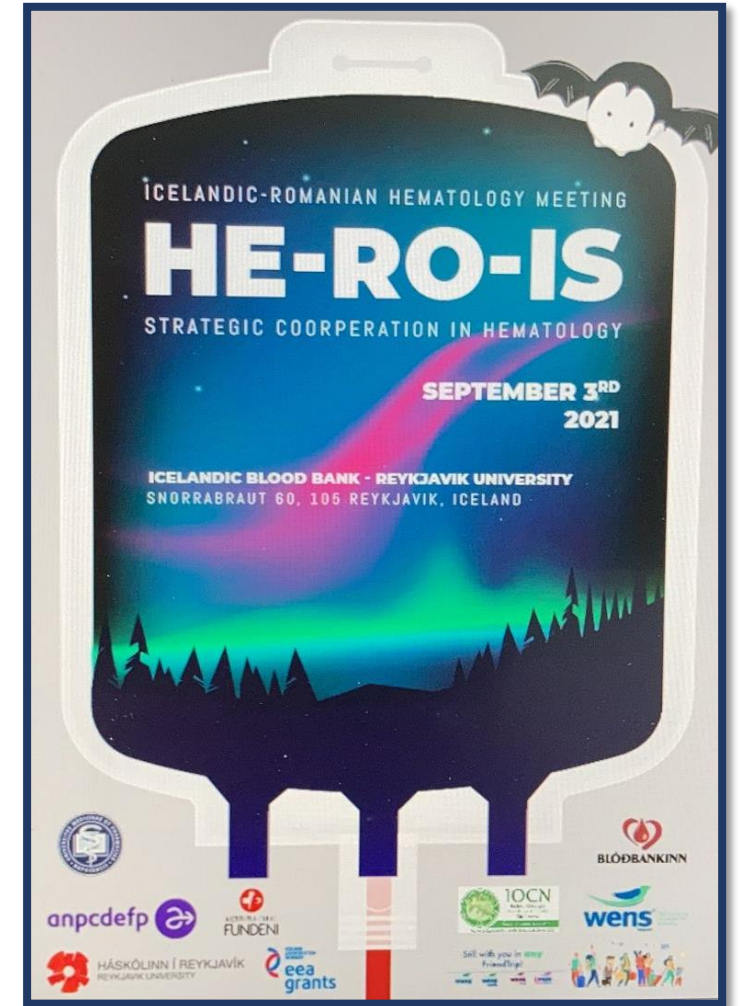


“Working together for
a green, competitive and inclusive Europe”

HE-RO-IS strategic cooperation in hematology – HERO

F SEE 2014-2021 No. 19-COP-0031

September 2020 – November 2021



Disclaimer: This presentation was realized with the EEA Financial Mechanism 2014-2021 financial support. Its content (text, photos, videos) does not reflect the official opinion of the Programme Operator, the National Contact Point and the Financial Mechanism Office. Responsibility for the information and views expressed therein lies entirely with the author(s).

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“Working together for
a green, competitive and inclusive Europe”

PARTNERS



Institute Of Oncology “Prof. Dr I. Chiricuta” (IOCN)



Regional Institute Of
Gastroenterology And Hepatology (IRGH)



Reykjavik University, Iceland



INSTITUTUL CLINIC
FUNDENI

Fundeni Clinical Institute - Center Of Excellence
In Translational Medicine (CEMT)

First multiplier event organized by Fundeni Clinical Institute in Bucharest
The 27th of August 2021



Prof. Alina Tănase
M.D. PhD



Lecturer Ciprian Tomuleasa
M.D. PhD



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“Working together for
a green, competitive and inclusive Europe”

Visit to Reykjavik, Reykjavik University Iceland
30.08.2021 – 05.09.2021



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Target group mobility Reykjavik September 2021

PhD STUDENTS



STUDENTS





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The Hematology HE-RO-IS Meeting in Reykjavik, Reykjavik University
Iceland
The 3rd of September 2021



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The second multiplier event organized by The “Iuliu Hațieganu” University of Medicine and Pharmacy, Cluj, Romania
Insights in hematology, September 17th -19th 2021




the conference was streamed online - hematologyconference.ro





“Working together for
a green, competitive and inclusive Europe”

HERO presented at the conference

		Home	About	Speakers	Schedule	Exhibition	Contact	Sign up
		Medical University of Innsbruck, Austria						
12:00 pm – 1:00 pm :	Alina Tanase, M.D.	Fundeni Clinical Institute, Bucharest, Romania						
1:00 pm – 1:30 pm :	Ling Peng, Ph.D.	Equipe Labellisée Ligue Contre le Cancer, Centre Interdisciplinaire de Nanoscience de Marseille Aix-Marseille University, Marseille, France						
1:30 pm – 2:30 pm :	Lunch Break							
2:30 pm - 03:00 pm	Sobi Symposium Stefan Lethagen M.D.	Vice president Medical and Clinical Science Haemophilia Swedish Orphan Biovitrum				"Reshaping haemophilia care with EHLFc coagulat factor by elevating clinical expectations for Haemophilia A patients 30min"		
3:00 pm - 03:30 pm	Pfizer Symposium Mihaela Andreescu, M.D.	Colentina Clinical Hospital, Bucharest, Romania				"The treatment landscape overview in R/R B-ALL"		
3:30 pm - 03:50 pm	Genesis Pharma Symposium Ciprian Tomuleasa, M.D.	Department of Hematology - Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca, Romania						
03:50 am – 04:10 am :	Presentation supported by the EEA Financial Mechanism Ólafur E. Sigurjónsson, M.Sc., Ph.D.	Professor, Department of research and development The Blood Bank, Landspítali- University Hospital, Reykjavik University, Reykjavik, Iceland						
4:10 pm - 04:30 pm	BMS Symposium Minodora-Cezarina Onisăi M.D.	Bucharest University Emergency Hospital				"Myelodysplastic Syndrome: A closer look at the treatment of ineffective erythropoiesis"		
4:30 pm - 04:50 pm	BMS Symposium Sorina Badelita, M.D.	Fundeni Institute Bucharest				"Reconsider treatment pathway for relapsed and refractory multiple myeloma patients"		
4:50 pm - 05:20 pm	Gianluca Gaidano, M.D., Ph.D.	University of Navarra, Italy						
5:20 pm - 05:40 pm	Ciprian Tomuleasa, M.D.	Department of Hematology - Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca, Romania				"HE-RO-IS strategic cooperation in hematology - HERO"		

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Setting up a hemophilia e-platform at transnational level

Patient ID	Registration	Last edit	Diagnostic	Actions
C3-IO-876	27 May 2021	27 May 2021	Haemophilia type A	👍 ✖
C3-IO-877	23 Mar 2021	23 Mar 2021	Haemophilia type A	👍 ✖
C3-IO-876	23 Mar 2021	23 Mar 2021	Haemophilia type A	👍 ✖
C3-IO-875	23 Mar 2021	23 Mar 2021	Others	👍 ✖
C3-IO-874	23 Mar 2021	23 Mar 2021	von Willebrand disease	👍 ✖
C3-IO-873	23 Mar 2021	23 Mar 2021	Haemophilia type A	👍 ✖
C3-IO-872	23 Mar 2021	23 Mar 2021	Others	👍 ✖
C3-IO-871	23 Mar 2021	23 Mar 2021	Haemophilia type A	👍 ✖
C3-IO-870	23 Mar 2021	23 Mar 2021	von Willebrand disease	👍 ✖
C3-IO-869	23 Mar 2021	23 Mar 2021	Haemophilia type B	👍 ✖
C3-IO-868	23 Mar 2021	23 Mar 2021	von Willebrand disease	👍 ✖
C3-IO-867	23 Mar 2021	23 Mar 2021	Haemophilia type A	👍 ✖
C3-IO-866	23 Mar 2021	23 Mar 2021	Haemophilia type A	👍 ✖
C3-IO-865	23 Mar 2021	23 Mar 2021	Haemophilia type A	👍 ✖
C3-IO-864	23 Mar 2021	23 Mar 2021	Haemophilia type A	👍 ✖
C3-IO-863	23 Mar 2021	23 Mar 2021	Acquired haemophilia	👍 ✖
C3-IO-862	23 Mar 2021	23 Mar 2021	Haemophilia type A	👍 ✖
C3-IO-861	23 Mar 2021	23 Mar 2021	Haemophilia type A	👍 ✖
C3-IO-860	23 Mar 2021	23 Mar 2021	Haemophilia type A	👍 ✖
C3-IO-859	23 Mar 2021	23 Mar 2021	Others	👍 ✖
C3-IO-858	23 Mar 2021	23 Mar 2021	Haemophilia type B	👍 ✖
C3-IO-857	23 Mar 2021	23 Mar 2021	von Willebrand disease	👍 ✖
C3-IO-854	23 Mar 2021	23 Mar 2021	Acquired haemophilia	👍 ✖
C3-IO-853	5 Jan 2021	19 Jan 2021	von Willebrand disease	👍 ✖
C3-IO-852	5 Jan 2021	5 Jan 2021	Haemophilia type A	👍 ✖
C3-IO-845	16 Dec 2020	16 Dec 2020	Haemophilia type A	👍 ✖

Developing a common curriculum in hematology

1. Setting up the joint team (teachers and researchers) and material resources necessary for the development of the curriculum

2. Organizing 3 joint online conferences to follow up on the development of the curriculum

SEE Nr. 19-COOP-0031-“HE-RO-IS strategic cooperation in hematology”

▲ Accesări: 1380

🖨️ Tipărire

Titlul proiect: “HE-RO-IS strategic cooperation in hematology”

Acronim: HERO

Beneficiar: Universitatea de Medicină și Farmacie „Iuliu Haiegedanu” Cluj Napoca

Contract de Finantare: F SEE Nr. 19-COOP-0031

Durata de implementare: 01.09.2020 - 30.11.2021

Valoarea contractului (lei): 696.518

Director de proiect: Șef lucr. dr. Ciprian Ionuț Tomuleasa

Obiectivul(e) proiectului și contribuția acestuia la obiectivele programului/subprogramului:

Obiectivul 1: Dezvoltarea unui curriculum comun în hematologie, în perioada de implementare a proiectului (15 luni), prin crearea unui curs care să conțină cinci (5) module didactice pentru ciclul doctoral de studiu, finalizat cu o diplomă recunoscută de toate instituțiile și țările participante.

Obiectivul 2: Crearea unei platforme electronice la nivel transnațional, cu instrumente pentru predarea, învățarea și evaluarea studenților, cu beneficii directe asupra managementului pacienților cu hemofilie, în perioada de implementare a proiectului.

Obiectivul 3: 7 activități de mobilitate transnațională pe termen scurt în perioada de implementare a proiectului (5 luni), respectiv Organizarea a 2 mobilități de învățare de scurtă durată a studenților și 2 mobilități de scurtă durată de instruire a cadrelor didactice, cu 90 de participanți și 3 evenimente multiplicatoare cu 150 de participanți.

Obiectivul 4: Trimbarea spre publicare a 5 articole științifice realizate în comun în perioada de implementare a proiectului (10 luni), în domeniul hematologiei, implicând cel puțin 25 de studenți ca autori.

Curricula RO-IS pentru hemofiliile

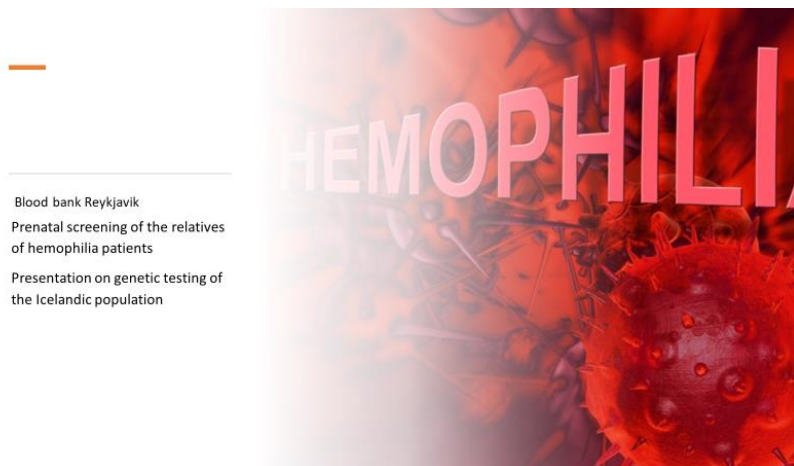
- Acquired hemophilia
- Clinical cases
- Genetics of hemophilia
- Hemophilia curricula
- Hemophilia management in adolescents
- Hemophilia management in the aging patient
- Joint physical examination
- Pharmacokinetics of hemophilia drugs
- Physiotherapy of the hemophilia joints
- Prophylaxis

Developing and submitting 12 joint articles to peer review publications

- Zimta AA, Sigurjonsson OE, Gulei D, Tomuleasa C. [The Malignant Role of Exosomes as Nanocarriers of Rare RNA Species](#). Int J Mol Sci. 2020 Aug 15;21(16):5866.
- Catalin Constantinescu, Sergiu Pasca, Alina-Andreea Zimta, Tiberiu Tat, Ioana Rus, Patric Teodorescu, Sabina Iluta, Alina Tanase, Anca Colita, Olafur Sigurjonsson, Hermann Einsele, Ciprian Tomuleasa [Overview of the Side-Effects of FDA- and/or EMA-Approved Targeted Therapies for the Treatment of Hematological Malignancies](#). J Clin Med. 2020 Sep 8;9(9):2903.
- Minodora Desmirean, Sebastian Rauch, Ancuta Jurj, Sergiu Pasca, Sabina Iluta, Patric Teodorescu, Cristian Berce, Alina-Andreea Zimta, Cristina Turcas, Adrian-Bogdan Tigu, Cristian Moldovan, Irene Paris, Jakob Steinheber, Cedric Richlitzki, Catalin Constantinescu, Olafur Eysteinn Sigurjonsson, Delia Dima, Bobe Petrushev, Ciprian Tomuleasa. [B Cells versus T Cells in the Tumor Microenvironment of Malignant Lymphomas. Are the Lymphocytes Playing the Roles of Muhammad Ali versus George Foreman in Zaire 1974?](#) J Clin Med. 2020 Oct 24;9(11):3412.
- Valentina Sas, Sergiu Pasca, Ancuta Jurj, Laura Pop, Hideki Muramatsu, Hiroko Ono, Delia Dima, Patric Teodorescu, Sabina Iluta, Cristina Turcas, Anca Onaciu, Raluca Munteanu, Alina-Andreea Zimta, Cristina Blag, Gheorghe Popa, Elias Daniel Alexander von Gamm, Smaranda Arghirescu, Margit Serban, Sorin Man, Mirela Marian, Bobe Petrushev, Cristian Berce, Anca Colita, Mihnea Zdrenghea, Seiji Kojima, Diana Gulei, Yoshiyuki Takahashi, Ciprian Tomuleasa [MicroRNA-155-5p Plays a Critical Role in Transient Leukemia of Down Syndrome by Targeting Tumor Necrosis Factor Receptor Superfamily Members](#). Cell Physiol Biochem. 2020 Oct 3;54(5):994-101.
- Sergiu Pasca, Ancuta Jurj, Ciprian Tomuleasa, Mihnea Zdrenghea [TET2/IDH1/2/WT1 and NPM1 Mutations Influence the RUNX1 Expression Correlations in Acute Myeloid Leukemia](#). Medicina (Kaunas). 2020 Nov 24;56(12):637
- Catalin Constantinescu, Sergiu Pasca, Tiberiu Tat, Patric Teodorescu, Catalin Vlad, Sabina Iluta, Delia Dima, Dana Tomescu, Ecaterina Scarlatescu, Alina Tanase, Olafur Eysteinn Sigurjonsson, Anca Colita, Hermann Einsele, Ciprian Tomuleasa. [Continuous renal replacement therapy in cytokine release syndrome following immunotherapy or cellular therapies?](#) J Immunother Cancer. 2020 May;8(1):e000742.
- Deak D, Gorcea-Andronic N, Sas V, Teodorescu P, Constantinescu C, Iluta S, Pasca S, Hotea I, Turcas C, Moisiu V, Zimta AA, Galdean S, Steinheber J, Rus I, Rauch S, Richlitzki C, Munteanu R, Jurj A, Petrushev B, Selicean C, Marian M, Soritau O, Andries A, Roman A, Dima D, Tanase A, Sigurjonsson O, Tomuleasa C. [A narrative review of central nervous system involvement in acute leukemias](#). Ann Transl Med. 2021 Jan;9(1):68. doi: 10.21037/atm-20-3140.
- Dirzu N, Hotea I, Jitaru C, Brinza M, Urian L, Peters MC, Gal K, Popescu L, Blag C, Marian M, Pal E, Stanescu M, Cenariu D, Tarniceriu C, Serban M, Dima D, Coriu D, Tomuleasa C. [Mobile Health Technology for the Personalized Therapy of Hemophilia](#). Front Med (Lausanne). 2021 Aug 10;8:711973. doi: 10.3389/fmed.2021.711973. PMID: 34447770; PMCID: PMC8382969.
- Pasca S, Jurj A, Zdrenghea M, Tomuleasa C. The Potential Equivalents of TET2 Mutations. <https://pubmed.ncbi.nlm.nih.gov/33805247/> Cancers (Basel). 2021 Mar 24;13(7):1499. doi: 10.3390/cancers13071499. PMID: 33805247; PMCID: PMC8036366.
- Pasca S, Jurj A, Constantinescu C, Zdrenghea M, Tomuleasa C. Implications of TET2 in CAR-T Cell Activity and Target Response to CAR-T Cell Therapy: Lessons Learned from T Cells. <https://pubmed.ncbi.nlm.nih.gov/33822522/> Crit Rev Immunol. 2021;41(1):13-21. doi: 10.1615/CritRevImmunol.2020036946. PMID: 33822522.
- Tichil I, Rosenblum S, Paul E, Cleland H. Treatment of Anaemia in Patients with Acute Burn Injury: A Study of Blood Transfusion Practices. <https://pubmed.ncbi.nlm.nih.gov/33514060/> J Clin Med. 2021 Jan 27;10(3):476. doi: 10.3390/jcm10030476. PMID: 33514060; PMCID: PMC7865424
- Dr. Ciprian Tomuleasa, Dr. Catalin Constantinescu: [Hemofilia dobândită. Perspectiva hematologului](#), [Hemofilia dobândită. Perspectiva hematologului - Viața Medicală \(viata-medicala.ro\)](#) 29 NOIEMBRIE 2021, Rev Viata Medicala

During the STTM and STTE mobilities, seminars were organized, involving the staff of the project, the target group of students, on the curricula in hematology O1 and hemophilia e-platform O2:

- The usefulness of setting up an online hemophilia e-platform
- The Case studies recorded in the hemophilia registry
- Clinical case presentations: clinical examination, laboratory analysis, imaging, treatment establishment and short-, medium- and long-term evaluation
- Insights on how to use and access the online platform
- Blood bank Reykjavik and prenatal screening of the relatives of hemophilia patients



- The need for a uniformized curricula in Hemophilia management
- How much do we need a national registry for hemophilia patients?
- Prenatal screening of the relatives of hemophilia patients
- From no testing to genetic testing: How far should we go?