



Twinning for a European Consortium of Rectal Cancer Research Institutions through Stepping up Scientific, Technological and Innovation Excellence of IORS



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INSTITUT ZA ONKOLOGIJU
I RADIOLOGIJU SRBIJE



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Description of the report

This report confirms the achievement of Deliverable 4.5, summarizing and listing the dissemination of project results in the form of published scientific papers and/or poster presentations from attended congresses and scientific meetings. The report is divided into sections according to the type of publication. The objectives of dissemination activities and channels were defined in [D4.2](#) – Plan for communication, dissemination and exploitation activities, submitted in month 6 (March 2023) of the project and [updated](#) in March 2025 following the evolution of project activities.

1. Scientific publications

The results of the STEPUPIORS project have been outlined in 12 scientific papers published in eminent journals, from which 2 datasets were deposited.

Proteomics Dataset

Stanojevic A, Samiotaki M, Lygirou V, Marinkovic M, Nikolic V, Stojanovic-Rundic S, Jankovic R, Vlahou A, Panayotou G, Fijneman RJA, Castellví-Bel S, Zoidakis J, Cavic M. Data-Independent Acquisition Mass Spectrometry Analysis of FFPE Rectal Cancer Samples Offers In-Depth Proteomics Characterization of the Response to Neoadjuvant Chemoradiotherapy. *Int J Mol Sci.* 2023 24(20):1541. DOI: 10.3390/ijms242015412, PubMed: 37895091.

Accessible at: <http://www.ebi.ac.uk/pride/archive/projects/PXD040451>

Radiomics Dataset

Marko Radulovic, Mladen Marinkovic, & Milena Cavic. (2023). MRI Radiomics data of LARC patients who responded well and poorly to nCRT-*Manuscript: Performance and Dimensionality of Pretreatment MRI Radiomics in Prediction of Rectal Carcinoma Response to Chemoradiotherapy.* <https://doi.org/10.5281/zenodo.8379940>.

Accessible at: <https://zenodo.org/records/8379940>

All publications were published according to Open Science and FAIR data principles and published on the [project website](#) by category.

Table 1. contains a list of chronologically ordered publications, starting with the most recent ones.

2. Congresses and scientific meetings

STEPUPIORS team members actively contributed to various scientific events as speakers, panelists, chairs, moderators and abstract presenters. Project outcomes were shared through invited lectures, oral and poster presentations, with abstracts published in scientific journals and conference abstract books. All publications adhered to Open Science and FAIR data principles and were made publicly available on the [project's website](#).

Dissemination activities targeting the scientific community included participation in scientific meetings, congresses, conferences, training sessions, webinars, and summer schools.

Table 2. contains a list of chronologically ordered scientific meetings, starting with the most recent ones.



Figure 1. Representative images depicting dissemination activities.

Table 1. Dissemination: Publications Tracking

Partner(s)	Journal	Title	Author(s)	Dates	Open Access	DOI	Link
IOIRS	Serbian Journal of the Medical Chamber	Precision public health perspective: is genomic population screening a viable option for the early detection of risks for oncological diseases? Reflections from Serbia.	Djikanovic B, Jankovic J, Cavic M.	March 21, 2025	yes	https://doi.org/10.5937/smclk6-57145	https://aseestant.ceon.rs/index.php/smclk/article/view/57145
IOIRS	Medicina	Dose Escalation in Neoadjuvant Chemoradiotherapy for Rectal Cancer: Short-Term Efficacy and Toxicity of VMAT–SIB vs. 3D-CRT.	Stojanovic-Rundic S, Marinkovic M, Stanojevic A, Gavrilovic D, Jankovic R, Maksimovic N, Tomasevic A, Petrasinovic P, Radenkovic S, Cavic M.	March 11, 2025	yes	https://doi.org/10.3390/medicina61030483	https://www.mdpi.com/1648-9144/61/3/483
IDIBAPS/HCB	NPJ Genom Med	Germline structural variant as the cause of Lynch Syndrome in a family from Ecuador.	Llargués-Sistac G, Bonjoch L, Muñoz J, Domínguez-Rovira X, Ocaña T, Alvarez-Mora MI, Badenas C, Esteve-Codina A, Reyes-Silva C, Jaramillo-Koupermann G, Rodrigo MT, López-Prades S, Cuatrecasas M, Castells A, Balaguer F, Moreira L, Fernandez G, Castellví-Bel S	January 17, 2025	yes	https://doi.org/10.1038/s41525-025-00462-y	https://www.nature.com/articles/s41525-025-00462-y
IOIRS	Biomedicines	Two Decades of Progress in Personalized Medicine of Colorectal Cancer in Serbia—Insights from the Institute for Oncology and Radiology of Serbia.	Cavic M, Nikolic N, Marinkovic M, Damjanovic A, Krivokuca A, Tanic M, Radulovic M, Stanojevic A, Pejnovic L, Djordjic Crnogorac M, Djuric A, Vukovic M, Stevanovic V, Kijac J, Karadzic V, Nikolic S, Stojanovic-Rundic S, Jankovic R, Spasic J.	October 8, 2024	yes	https://doi.org/10.3390/biomedicines12102278	https://www.mdpi.com/2227-9059/12/10/2278

IOIRS	Chemical Review of the Serbian Chemical Society	The significance of circulating cytokines in cancer development, prognosis and response to anticancer therapy.	Kijac J, Mirjadic Martinovic K, Cavic M.	September 2024	yes	-	https://www.stepupior.s.eu/wp-content/uploads/2024/12/2024-Kijac-et-al.-HP.pdf
IDIBAPS/ HCB	Gastric Cancer	CTNND1 is involved in germline predisposition to early-onset gastric cancer by affecting cell-to-cell interactions	Herrera-Pariente C, Bonjoch L, Muñoz J, Fernández G, Soares de Lima Y, Mahmood R, Cuatrecasas M, Ocaña T, Lopez-Prades S, Llargués-Sistac G, Domínguez-Rovira X, Llach J, Luzko I, Díaz-Gay M, Lazaro C, Brunet J, Castillo-Manzano C, García-González MA, Lanas A, Carrillo M, Hernández San Gil R, Quintero E, Sala N, Llorca G, Aguilera L, Carot L, Díez-Redondo P, Jover R, Ramon Y Cajal T, Cubiella J, Castells A, Balaguer F, Bujanda L, Castellví-Bel S, Moreira L.	May 25, 2024	yes	10.1007/s10120-024-01504-7	https://link.springer.com/article/10.1007/s10120-024-01504-7
IOIRS	Frontiers in Genetics	Editorial: Epigenetic biomarkers for cancer risk stratification and patient management.	Tanić M, Ecker S, Lyskjær I.	May 8, 2024	yes	https://doi.org/10.3389/fgene.2024.1421500	https://www.frontiersin.org/journals/genetics/articles/10.3389/fgene.2024.1421500/full
IOIRS, BRFAA, IDIBAPS/ HCB and NKI-AVL	Frontiers in Genetics	Methylenetetrahydrofolate reductase polymorphic variants C677T and A1298C in rectal cancer in Slavic population: significance for cancer risk and response to chemoradiotherapy	Stanojevic A, Spasic J, Marinkovic M, Stojanovic-Sundic S, Jankovic R, Djuric A, Zoidakis J, Fijneman RJA, Castellví-Bel S, Cavic M.	January 15, 2024	yes	doi.org/10.3389/fgene.2023.1299599	https://www.frontiersin.org/articles/10.3389/fgene.2023.1299599/full

IORS, BRFAA, IDIBAPS/ HCB and NKI-AVL	Journal of Clinical Medicine,	Performance and Dimensionality of Pretreatment MRI Radiomics in Rectal Carcinoma Chemoradiotherapy Prediction	Marinkovic M, Stojanovic-Rundic S, Stanojevic A, Tomasevic A, Jankovic R, Zoidakis J, Castellví-Bel S, Fijneman RJA, Cavic M, Radulovic M.	January 12, 2024	yes	doi.org/10.3390/jcm13020421	https://www.mdpi.com/2077-0383/13/2/421
IORS	Pharmaceutics	Role of Histone Deacetylase 6 and Histone Deacetylase 6 Inhibition in Colorectal Cancer	Vuletić A, Mirjačić Martinović K, Spasić J.	December 29, 2023	yes	doi.org/10.3390/pharmaceutics16010054	https://www.mdpi.com/1999-4923/16/1/54
IORS, BRFAA, IDIBAPS/ HCB and NKI-AVL	Frontiers in Genetics	Exploring novel genetic and hematological predictors of response to neoadjuvant chemoradiotherapy in locally advanced rectal cancer	Marinkovic M, Stojanovic-Rundic S, Stanojevic A, Ostojic M, Gavrilovic D, Jankovic R, Maksimovic N, Stroggilos R, Zoidakis J, Castellví-Bel S, Fijneman RJA, and Cavic M.	August 31, 2023	yes	https://doi.org/10.3389/fgene.2023.1245594	https://www.frontiersin.org/articles/10.3389/fgene.2023.1245594/full 2023 Marinkovic et al.
IORS, BRFAA, IDIBAPS/ HCB and NKI-AVL	International Journal of Molecular Sciences	Data-Independent Acquisition Mass Spectrometry Analysis of FFPE Rectal Cancer Samples Offers In-Depth Proteomics Characterization of the Response to Neoadjuvant Chemoradiotherapy	Stanojevic A, Samiotaki M, Lygirou V, Marinkovic M, Nikolic V, Stojanovic-Rundic S, Jankovic R, Vlahou A, Panayotou G, Fijneman RJA, Castellví-Bel S, Zoidakis J, and Cavic M.	May 16, 2023	yes	doi.org/10.3390/ijms242015412	https://www.mdpi.com/1422-0067/24/20/15412

Table 2. Dissemination: Conferences Tracking

Partner(s)	Dissemination Channel	Details	Dates	Event	Organizer	Target group	Link
IORS	Congress	Project participant Mladen Marinkovic presented the results in the form of digital posters	01-06.05.2025., Vienna, Austria	The annual congress of the European Society for Radiotherapy and Oncology (ESTRO)	ESTRO	scientific community	https://www.estro.org/Congresses/ESTRO-2025
NKI-AVL	Congress	Project participants Remond Fijneman and Gerrit Meijer presented results of multiple studies on colorectal cancer biomarkers	25-30.04.2025., Chicago, IL	Annual Congress of the American Association for Cancer Research (AACR)	AACR	scientific community	https://www.aacr.org/meeting/aacr-annual-meeting-2025/
IORS	School	Mladen Marinkovic, Jelena Spasic, Suzana Stojanovic Rundic and Milena Cavic participated as lecturers	11-12.04.2025, Belgrade, Serbia	Serbian Association for Medical Oncology (UMOS) School on Digestive Cancers	UMOS	Scientific, medical and patient community	https://umoskola.digitalevents.rs/program/
IORS, NKI AVL	Symposium	Dr Ana Djuric, Dr Mladen Marinkovic, Dr Milena Cavic, Dr Paul Van Der Leest and Dr Remond Fijneman participated	14.-15.03.2025., Aarhus, Denmark	The first international symposium on ctDNA response evaluation in solid tumors	Danish Clinical Network	Scientific, medical and patient community	https://ctdna.dk/index.php?option=com_sppagebuilder&view=page&id=78

IORS	Colloquium	Mladen Marinkovic, Jelena Spasic, Radmila Jankovic, Ana Damjanovic, Miljana Tanic and Milena Cavic participated as lecturers	26.02.2025.	The first UMOs-SDIR Colloquium on Liquid Biopsy	Serbian Association for Cancer Research (SDIR) and Serbian Association for Medical Oncology (UMOS)	scientific and medical community	https://english.sdir.ac.rs/first-umos-sdir-colloquium-liquid-biopsy-in-oncology-today/
IORS	Conference	Dr Milena Cavic presented a flash talk	28.-29.01.2025. Virtual Event	The EACR-AstraZeneca Conference: Circulating Nucleic Acids (cfDNA/ctDNA): In use, in view and on the horizon	European Association for Cancer Research	scientific and medical community	https://eacr.org/conference/circulating-nucleic-acids-2025/index
IORS	Conference	Ana Djuric presented project results	01.–03.12.2024., Athens, Greece.	The 73rd Panhellenic Conference of the Hellenic Society of Biochemistry and Molecular Biology,	Hellenic Society of Biochemistry and Molecular Biology	Scientific community	https://www.eebmb.gr/index.php
NKI AVL and IORS	General Assembly	Remond Fijneman, Milena Cavic and Ana Djuric represented the project and gave lectures	26-27.11.2025. Barcelona, Spain	General assembly meeting of the European Liquid Biopsy Society (ELBS)	ELBS	Scientific community and industry	https://www.ukc.de/english/departments-institutes/institutes/tumor-biology/european-liquid-biopsy-society-elbs/news/events/index.html
IORS	Congress	Radmila Jankovic, Jelena Spasic, Ana Krivokuca, Marija Đorđić	13.-16.11.2024., Belgrade, Serbia	61. ONCOLOGY CONGRESS	Serbian Medical Society/IOBS	Scientific and medical community and industry	https://astakos.com/kanceroloska_nedelja/

		Crnogorac, Mladen Marinkovic, Milan Kocic, Fedja Djordjevic participated as lecturers and panelists					
IORS	Congress	Dr Mladen Marinkovic gave a lecture	08.-12.11.2024., Vrdnik, Serbia	3rd Serbian Radiation Oncology Congress	Serbian Radiation Oncology Society	Scientific and medical community	https://www.panacomp-kongresi.net/2024/01/17/sroc-2024-november/
IORS	Congress	Miljana Tanic participated as an invited lecturer	07.-08.11.2024., Zagreb, Croatia	7th Congress of the Croatian Association for Cancer Research (HDIR)	HDIR	Scientific and medical community	https://hdir-7.hdir.hr/
IORS	Meeting	Suzana Stojanovic-Rundic, Radmila Jankovic and Mladen Marinkovic participated as lecturers and moderators	25.-26.10.2024. Belgrade, Serbia,	2nd Open Balkan Digestive Oncology Expert Meeting Innovation & Artificial Intelligence	Association of Digestive Oncology of Serbia	Scientific and medical community and industry	https://bauderevents.com/language/en/project/2nd-adon-open-balkan-digestive-oncology-expert-meeting/
IORS	Congress	Miodrag Vukovic and Milena Cavic presented project results at the 2nd MOVE Congress	08.-10.10.2024. Belgrade, Serbia	The 2nd MOVE Congress	the Serbian Society for Extracellular Vesicles	Scientific community	https://indico.bio.bg.ac.rs/event/6/
IORS	Conference	Marija Djordjic Crnogorac and Ana Damjanovic	19-22.06.2024. Barcelona, Spain	the 10th Biennial Meeting of InSiGHT organized by the	InSiGHT	scientific and medical community	https://tacticsmd.net/congreso/insight-2024/

		Velickovic represented STEPUPIORS with poster presentation		International Society for Gastrointestinal Hereditary Tumors (InSiGHT)			
IORS	Conference	Miljana Tanić presented a Flash Talk with STEPUPIORS project results	17.-20.06.2024.; Belgrade, Serbia.	5th Belgrade Bioinformatics Conference – BelBi2024 held	Institute of molecular genetics and genetic engineering, University of Belgrade	scientific community	https://belbi.bg.ac.rs/
IORS	Congress	STEPUPIORS team and presented project results	10.-13.06.2024. Rotterdam, Netherlands	Annual congress of the European Association for Cancer Research (EACR2024)	EACR	scientific community	https://2024.eacr.org/
BRFAA	Symposium	Ieronymos Zoidakis participated as a chair and speaker	06.06.2024., Belgrade, Serbia	The VII Symposium of the Serbian Proteomics Society “Proteomics Application in Biomedicine”	The Serbian Proteomics Society	scientific community	https://www.sanu.ac.rs/en/symposium-the-application-of-proteomics-in-biomedicine/
IORS	Congress	Dr Mladen Marinkovic gave a lecture	17.-19.05.2024 Niš, Serbia	The 2nd Nis Oncology Congress	University Clinical Center Nis, Serbia	scientific and medical community	https://nok.rs/
FRCB-IDIBAPS	Congress	Dr Teresa Botta-Orfila presented a collaborative abstract	14-17.05.2024. Vienna, Austria.	The Europe Biobank Week Congress 2024	Biobanking and BioMolecular resources Research Infrastructure — European Research Infrastructure Consortium	scientific community	https://www.bbmri-eric.eu/events/europe-biobank-week-2024/

					(BBMRI-ERIC)		
IORS	Symposium	Marija Djordjic Crnogorac presented a project abstract, Ana Krivokuca presented a lecture	13.-15.05.2024. Porto, Portugal.	The 15th International Symposium on Variants in the Genome	Human Genome Organization	scientific community	https://isv.variome.org/
IORS	Congress	Dr Radmila Jankovic and Dr Jelena Spasic gave lectures	09.-12.05.2024. Budva, Montenegro	CUMO2024 Congress	The Montenegro Society for Medical Oncology	scientific and medical community	Not available
IORS	Congress	Dr Suzana Stojanovic-Rundic and Dr Mladen Marinkovic represented STEPUP IORS	03.-07.05.2024. Glasgow, UK	The annual congress of the European Society for Radiotherapy and Oncology (ESTRO2024)	ESTRO	scientific and medical community	https://www.estro.org/Congresses/ESTRO-2024
IORS	Conference	Aleksandra Stanojevic presented project results	29-30.04.2024	Scientific meeting of the COST Action CA21154 - Translational control in Cancer European Network	TRANSLACORE Cost Action	scientific community	https://translacore.eu/event/face-to-face-management-committee-and-working-groups-meeting-in-prague
IORS NKI-AVL	Congress	Dr Milena Cavic and Dr Remond Fijneman presented latest project results and advancements	05.-10.04.2024. San Diego, California	Annual Congress of the American Association for Cancer Research (AACR24)	AACR	scientific community	https://www.aacr.org/meeting/aacr-annual-meeting-2024/
IORS	Congress	Project participants Milena Cavic	29.11.-02.12.2023. Belgrade, Serbia	60th ONCOLOGY CONGRESS	IORS	scientific and medical	https://www.oncology.rs/

		and Mladen Marinkovic participated as invited speakers				community , patients and patient representatives	
IORS, BRFAA, IDIBAPS/ HCB and NKI-AVL	Congress	STEPUPIORS participated as Invited speakers, session chairs meet the experts' hosts, oral presenters	02.-04.10.2023. Belgrade, Serbia	6th congress of the Serbian Association for Cancer Research (SDIR)	SDIR	scientific community	https://www.sdir.ac.rs/en/izvestaj-sa-sdir-6-kongresa/#
IORS	Congress	Ana Djuric, Milena Cavic and Aleksandra Stanojevic presented project results	12-15.06.2023. Torino, Italy	Annual Congress of the European Association for Cancer Research (EACR)	EACR	scientific community	https://www.eacr.org/congress
IORS	Congress	Ana Djuric presented project results	10-12.05.2023. Belgrade, Serbia,	13th Congress of the Serbian Society of Toxicology; 1st TOXSEE Congress	Serbian Society of Toxicology and TOXSEE	scientific community	https://www.toxsee2023.com/en/
IORS	Conference	Aleksandra Stanojevic and Mladen Marinkovic presented project results	02-04.12.2022. Patras, Greece	The Annual meeting of the Hellenic Society of Biochemistry and Molecular Biology	Hellenic Society of Biochemistry and Molecular Biology	scientific community	https://www.lsc.gr/content/173/72th-annual-conference-of-the-hellenic-society-of-biochemistrymolecular-biology-2-4.12.2022,-patra-/eng

According to Table 3. presenting STEPUPIORS KPIs planned for the whole project period, it can be concluded that the dissemination part of the project D4.2 - Plan for communication, dissemination and exploitation activities has been performed in a manner which enabled achieving all planned activities before the end of the project. For the period after May 31, 2025, more conference attendance has been planned and abstracts submitted to EACR2025 and ESMO2025 congresses.

Table 3. STEPUPIORS KPIs extracted from D4.2 - Plan for communication, dissemination and exploitation activities.

Version	Channel	Success Indicator	Target (3 years)	Achieved by May 31, 2025
Dissemination	OA Publications	Number of journal publications	6	12
	Research meetings/Conferences	Number of conference attendances	28	29