

Summary report on research accreditation

I. General information

Name of organization	Public Medico-Sanitary Institution Institute of Oncology
Organization type (<i>to underline</i>)	Research institute High education institution <u>Ministerial research institute</u>
Research mission of organization	Epidemiology of oncology diseases, development of new technologies in the prevention, diagnosis and treatment.
Strategic research direction (s)	The third strategic direction: Biomedicine, pharmaceuticals, maintenance and strengthening of health
Evaluated period	2005-2009
Web of organization	www.onco.md

II. Research capacity (annual average for evaluated period)

Total number of employees	283 - doctors					
Number of scientific researches	88,6					
Number of researches who possess honorific titles, scientific degrees, scientific and scientific-didactical titles	ASM full members	ASM corresp. Members	Professor	Associated professor	Dr.hab.	Dr. (PhD)
	1	1	12	17	21	33
Number of researches involved in international projects	FP7	STCU	Bilateral	Others		
	0	0	5	5		
Number of young researches (under 35 years old)	Dr. (PhD)	PhD students	Others			
	0	3	-			
Financial resources (thousand MDL)	Public budget	International projects/grants	Research contracts			
	4518,1	-	1,0			
Distribution of expenditures (thousand MDL)	Salary	Infrastructure development	Other			
	2845,9	1131,4	336,9			
Expenditures for infrastructure development (thousand MDL)	Equipments	IT infrastructure	Endowment of experimental resorts			
	950,6	11 computers+2 notebooks 180,8	-			
List of 3 basic research methods, installations, technologies (per	<ol style="list-style-type: none"> 1. Mechanical suture equipment of the defect pharynx and cervical esophagus after laryngectomy - ISF 80. 2. Method of diagnosis of lung tumors in ambulatory conditions. 3. Method of diagnosis and assessment of aggressiveness of 					

accredited field)	endometrial cancer
List of provided scientific services	-
List of editorial activities	Bulletin of the Academy of Sciences of Moldova. Medical Sciences. ISSN 1857-0011 Medical Courier. ISSN 1875-0666

III. Distribution of number of research projects and themes during evaluated period

	2005	2006	2007	2008	2009
Institutional projects	-	7	7	8	8
Projects in the frame of State Programmes	11	1	-	-	-
Technological transfer projects	-	-	-	-	-
Projects for equipment procurement	-	-	-	-	-
Projects for young researches	-	1	1	-	-
Projects in the frame of bilateral programmes	-	-	-	1	1
International projects/grants	-	1	3	3	3
List of 3 representative international projects/grants	<p>1. The genetic factors of predisposition and tolerability to lung cancer Name of the International program: FCFFR-Moldova. Execution term - 01.07.2008-31.12.2009. Project leader - Șutkin Vladimir, PhD in medicine.</p> <p>2. Initiation of prosthetic service and complex rehabilitation for patients after extensive operations for head and neck tumors and traumatic injuries. Project leader - Rodica Mindruța-Stratan Execution term - 2007-2010</p> <p>3. Renovation surgery department head / neck and microsurgery. Project leader - Rodica Mindruța-Stratan Execution term - 2007-2010</p>				
Research contracts	-	1	1	2	1
List of 3 representative research contracts	<p>1. IOM (competitor E. Samotîia) – State University of Medicine and Pharmacy "Nicolae Testemitanu" - competitor N. Blaja-Lisnic. Nr 204 09.11.2006. The contract: <i>elderly patients with community-acquired pneumonia</i></p> <p>2. IOM (competitor E.Samotîia) – State University of Medicine and Pharmacy "Nicolae Testemitanu" - competitor L. Dumbrăveanu. Nr 34 05.02.2008. The contract: <i>patients with uveitis associated with reactive arthritis.</i></p> <p>3. IOM (competitor E. Samotîia) – State University of Medicine and Pharmacy "Nicolae Testemitanu" - competitor L.Grib. Nr 13 18.01.2009. The contract: <i>patients with metabolic syndrome.</i></p>				

IV. Scientific publications

Total number of publications abroad	Books -	Chapters in books -	Journal papers 14
Total number of publications in ISI journals and books	Books -	Chapters in books -	Journal papers 2
Total number of publications in the country	Books 9 monographs/ 1 dictionary/ 2 collections	Chapters in books 49	Journal papers 158
Total number of conference abstracts	International abroad 146	International in the country -	National 79
List of 5 representative publications (per accredited field)	<ol style="list-style-type: none"> 1. Donscaia A., Iacovleva I., Mednicov L., Ghidirim N., Coşciug G. The clinico – mophological characteristic of the stomach cancer intestinal type. // Archives of the Balkan medical reunion the XXX-th Balkan medical week. Sept. 2008 Chişinău, 2008. v.1 p.140-141. 2. Alexander Mustea, Jalid Sehouli, Dirk Stengel, Dominique Könsgen, D. Sofroni, Werner Lichtenegger. Interleukin 1 receptor antagonist (IL-1RA) polymorphism in women with cervical cancer. Anticancer Res.2007 Mar-Apr,30(2C):p.65-70.Berlin 3. Janna Punga, Victor Cernat. Social and medical criteria for male breast cancer predisposition in Republic of Moldova. Bulletin of the Academy of Sciences. Medical Sciences. Chişinău, 2007,p.217-224 4. Nadejda Godoroja, G.Bulbuc, Valentina Stratan, N. Păduraru, Natalia Botnariuc, P. Pihut. The hormone homeostasis peculiarities of breast cancer patients in menopauses. Bulletin of the Academy of Sciences. Medical Sciences. Chişinău, 2007, p.224-228 5. M.Ulybina, E.Sh. Kuligina, N.V. Mitiushkina, M.E.Rozanov, A.D.Ivantsov, D.N.Ponomariova, A.V.Togo, E.V.Levchenko, V.A.Shutkin, S.I.Brenister, P.Devilee, B.Zhivotovsky, A.Hirvonen, E.N.Imyanitov. Coding polymorphisms in Casp5, Casp8 and Dr4 genes may play a role in predisposition to lung cancer. Cancer Letters, 2009, V.278, p.183-191. 		
List of 5 citations	<ol style="list-style-type: none"> 1. E.V.Belogubova, E.Sh. Kuligina, A.V.Togo , M.B.Karpova, J.M.Ulibina, K.P.Hanson, V.Shutkin, K.Popowski, I.Mosyagin, I.Cascorbi, A.Hirvonen, E.N.Imyanitov «Comparison of extremes» approach provides evidence against the modifying role of NAT2 polimorphism in lung cancer susceptibility. Cancer Lett, 2005, v. 221, p. 177-183. 2. M.Ulybina, E.Sh. Kuligina, N.V. Mitiushkina, M.E.Rozanov, A.D.Ivantsov, D.N.Ponomariova, A.V.Togo, E.V.Levchenko, V.A.Shutkin, S.I.Brenister, P.Devilee, B.Zhivotovsky, A.Hirvonen, E.N.Imyanitov. Coding polymorphisms in Casp5, Casp8 and Dr4 genes may play a role in predisposition to lung cancer. Cancer Letters, 2009, V.278, p.183-191. 		

V. Innovation outputs

Total number of patents	Registered in the country 25	Registered abroad -	Implemented 25
Total number of new developed methods and technologies	Registered 2	Non-registered -	Implemented 1
Total number of new scientific products	Registered	Non-registered	Implemented
Total number of scientific outputs for central and local authorities (draft of law, strategies etc.)	-		
Total number of scientific outputs for educational institutions	Handbooks for high education 1	Handbooks for pre-university institutions -	Delivered university courses 12
List of 5 representative innovation outputs (per accredited field)	<p>Method of treatment of chronic algic syndrome using detoxifying.</p> <p>Method of treatment of brahio scapular syndrome after mastectomy</p> <p>Method of plasty of dermal defects after excision of malignant melanomas in the abdominal region.</p> <p>The clinical and diagnostic management of malignant metastasis with unknown primary sources.</p>		

VI. Major scientific and innovation achievements

Short description of main scientific results and its confirmation (by awards, citations, development of international projects etc.)	<ul style="list-style-type: none"> For the first time in clinical oncology in Republic of Moldova was invented a new version of combined treatment of locally-advanced laryngeal cancer IIIa - IIIb – IVa, with respiratory failure which consists in emergency laryngectomy + postoperative radiotherapy in the second step. An algorithm for the prevention of postoperative complications after laryngectomy in case of laringean cancer was established. Clinical and etiopathogenetic features of breast cancer were elaborated. Methods of prevention and treatment of precancerous and early cancer of genital organs were specified. Prognostic factors in treatment of breast cancer were determined. <p>These methods were appreciated at the VI International Salon „Su Zhon” Beijing China, 19 October 2008 with bronze medal, International Belgian Salon „Eureka” of Innovational technologies, 11-15 November 2008, with Silver medal, International Specialized Exhibition “InfoInvent 2009”, Chisinau, 24-27 November 2009, with Gold and silver medals.</p>				
Number of organization' invited speakers at international conferences	2005 5	2006 -	2007 13	2008 2	2009 4

Short description of technological transfer and innovation results and its certification by implementation	1. 3244. Method for assessing the aggressiveness of endometrial cancer. 2007.02.081 BOPI nr.2/2007 2. 3499. Method of differential treatment of endometrial cancer. 2008.02.29, BOPI nr. 2/2008 3. 3772. Method of treatment of metastatic breast cancer. 2008.12.31 4. 3589. Method of treatment of postoperative plague after mastectomy. 2008.05.31				
Number of defended dr.hab. /dr. theses per year	0/1	0/2	1/4	1/3	0/2

VII. Present/further involvement in the Seventh Framework Programme (FP7): specific programmes (Cooperation, Ideas, People, Capacities) of interest and its sub-divisions.

RAIDS PROJECT - FP7 – HEALTH INNOVATION -2012-1

The name of the project: **“Rational molecular Assessments and Innovative Drug Selection”**. THE REPUBLIC OF MOLDOVA / FRANCE

The project is expected to provide new tools for early diagnosis and targeted treatments exploited by SMEs and to accelerate innovation of CC therapy (these tools will be used to predict response to cervical cancer treatment or progression), to decrease side effects and improve quality of life. The aim is to achieve higher cure rates as well as diminished adverse effects as compared to current standard therapies.

VIII. Accredited research field and its evaluation by the National Council for Accreditation and Attestation of the Republic of Moldova

Oncology and hematology- “good”

IX. Category attributed by the National Council for Accreditation and Attestation of the Republic of Moldova to the organization

Category B

X. Institutional development actions planned for the next 5 years (maximum ½ page)

- To elaborate a national combat cancer program for 10 years at European level making accent on scientific researches.
- To propose to the National Health Insurance Company the exploration of possibilities regarding the budgeting of cancer preventing program.

- To organize a scientific research in onco-pediatric domain.
- To implement modern methods of diagnosis of cancer at ambulatory level at the Consulting and Diagnostic Center (Endoscopy, nuclear medicine, radiology, ultrasound exam).
- To implement a new integral, informational project into Institute of Oncology.
- At the stationary level – to improve malignant tumors treatment by organization of High Technological Oncologic Prosthetic Rehabilitation Surgery Center at European class.
- To develop the „Medullar Transplant Center” for children with leukemia.
- To initiate the professional training in Oncologic Centers of the world for young oncology researchers.
- To increase the number of scientific publications, such as theses, articles, monographs in the country and abroad.
- To give support to the young researchers in scientific, innovation and development activities.