



taRgeted thErapy for adVanced colorEctal canceR paTients

Results

Project Information

REVERT

Grant agreement ID: 848098

[Project website](#)

DOI

[10.3030/848098](https://doi.org/10.3030/848098)

Project closed

EC signature date

22 November 2019

Start date

1 January 2020

End date

31 December 2024

Funded under

SOCIETAL CHALLENGES - Health, demographic change and well-being

Total cost

€ 5 887 273,75

EU contribution

€ 5 887 273,75

Coordinated by

IRCCS SAN RAFFAELE ROMA
SRL



Italy

CORDIS provides links to public deliverables and publications of HORIZON projects.

Links to deliverables and publications from FP7 projects, as well as links to some specific result types such as dataset and software, are dynamically retrieved from [OpenAIRE](#) .

Deliverables

Websites, patent fillings, videos etc. (1)



[REVERT Website](#)

A REVERT website will be designed and maintained, providing open-access to appropriate project information, learning experience for visitors including slides, and publications.

Documents, reports (10)

[Report on assessment and validation of decision criteria suitable to translate biomarker results into clinical practice](#)

Several criteria and statistical approaches will be used to translate the variation of the marker into a decision rule. The criteria most suitable to be applicable in a clinical setting will be validated side-by-side with a standardized procedure - deliverable itself - to lead eventually to a deliverable directory of individual marker-tailored recommended criteria.

[""First study subject"" approvals package"](#)

The approval package will include
1 Final version of REVERT study protocol
2 Registration number of clinical study in EudraCT registry that will allow posting of study results
3 Approvals from ethics committees and national competent authorities for enrolment of first subject in at least one clinical centre
4 Incidental findings policy
The PI will notify to the central IRB the actual beginning of the clinical study represented by the first patient enrolled

[Dissemination and communication activity report 1](#)

Dissemination and communication activity reports will be released at M12 and yearly, thereafter, for the entire project life.

[Report on SOPs for sample collection, processing and storage, including indicators to monitor quality of samples](#)

Standard operation procedures (SOPs) for samples collection, processing and storage may differ in relation to the type of biomarker to investigate. The SOPs will be designed on the basis of both the biochemical characteristics and the expected grade of stability of every biomarker (or biomarker family). The reference criterion for the validation and the optimization of the SOPs will be the grade of conservation of the analyte through the process. Therefore, when requested by fragile biomarkers, SOPs will be delivered in association with appropriate criteria to assess the stability of the analyte.

[Production of shared procedures and choice of the QC material\(s\) for quality monitoring of analytical phases](#)

Suitable quality control materials will be tested for each marker in comparison to the real matrix according to a standardized procedure, that will be matter of a deliverable. A directory of quality control material(s) recommended for every biomarker will be also delivered. A directory of biomarker(s) for which no commercially available/reliable quality control material(s) will be produced.

[Dissemination and communication activity report 4](#)

Dissemination and communication activity reports will be released at M12 and yearly, thereafter, for the entire project life.

[Dissemination and communication activity report 2](#)

Dissemination and communication activity reports will be released at M12 and yearly thereafter for the entire project life

[Testing and Optimization of AI Predictors](#)

This deliverable will contain the results of the testing of the AI predictors on the in-silico and the real world scenario. In particular, this deliverable will report on the use of the Machine Learning models and the in-silico models proposed in Task3.2, tested with retrospective analysis in Task 3.3 and, finally, analyzed in a real world scenario in Task3.5.

[Dissemination and communication activity report 3](#)

Dissemination and communication activity reports will be released at M12 and yearly thereafter for the entire project life

[Midterm recruitment report](#)

The PI will periodically and, at any rate when 50% of the study population is expected to have been recruited, notify the IRB of the clinical trial status. The report will include an overview of recruited subjects by study sites, potential recruiting problems and a detailed description of implemented and planned measures to compensate delays, if any, in the study subject recruitment.

Open Research Data Pilot (1)

[FAIR Data management Plan \(DMP\)](#)

A document structured in various chapters (following the EU instructions) dedicated to: Data Summary; FAIR principles; Resources; Data security; Ethical aspects and other national/funder/sectorial/departamental procedures for data management in use.

Publications

Peer reviewed articles (34)



[Gene-Mutation-Based Algorithm for Prediction of Treatment Response](#)

Author(s): Johnson, Heather; El-Schich, Zahra; Amjad, Ali; Zhang, Xuhui; Simoulis, Athanasios; Gjörloff Wingren, Anette; Jenny, Persson

Published in: Cancers, Issue Vol. 14, nr 8, artikel-id 2045, 2022, ISSN 2072-6694

Publisher: Multidisciplinary Digital Publishing Institute (MDPI)

DOI: 10.3390/cancers14082045

[Red-Emitting Polymerizable Guanidinium Dyes as Fluorescent Probes in Molecularly Imprinted Polymers for Glyphosate Detection](#)

Author(s): Martha Kimani; Víctor Pérez-Padilla; Virginia Valderrey; Kornelia Gawlitza; Knut Rurack

Published in: Chemosensors, Issue 10(3), 2022, Page(s) 99, ISSN 2227-9040

Publisher: MDPI

DOI: 10.3390/chemosensors10030099

[Bacterial protein MakA causes suppression of tumour cell proliferation via inhibition of PIP5K1 \$\alpha\$ /Akt signalling](#)

Author(s): Toh, Eric; Baryalai, Palwasha; Nadeem, Aftab; Aung, Kyaw Min; Chen, Sa; Persson, Karina; Persson, Jenny L.; Uhlin, Be

Published in: Cell Death and Disease, 2022, ISSN 2041-4889

Publisher: Nature Publishing Group

DOI: 10.1038/s41419-022-05480-7

[Applications of Tumor Cells in an In Vitro 3D Environment](#)

Author(s): Sylwia Hasterok, Anna Gustafsson, Anette Gjörloff Wingren

Published in: Applied Sciences, Issue 13, 2023, Page(s) 10349, ISSN 2076-3417

Publisher: MDPI

DOI: 10.3390/app131810349

[Irinotecan- vs. Oxaliplatin-Based Doublets in KRASG12C-Mutated Metastatic Colorectal Cancer—A Multicentre Propensity-Score-Matched Retrospective Analysis](#)

Author(s): Vincenzo Formica, Cristina Morelli, Veronica Conca, Maria Alessandra Calegari, Jessica Lucchetti, Emanuela Dell'Aquila, Marta Schirripa, Marco Messina, Lisa Salvatore, Federica Lo Prinzi, Giovanni Dima, Giovanni Trovato, Silvia Riondino, Mario Roselli, Ferdinandos Skoulidis, Hendrik-Tobias Arkenau, Chiara Cremolini

Published in: Cancers, Issue 15, 2023, Page(s) 3064, ISSN 2072-6694

Publisher: Multidisciplinary Digital Publishing Institute (MDPI)

DOI: 10.3390/cancers15113064

[Is High Expression of Claudin-7 in Advanced Colorectal Carcinoma Associated with a Poor Survival Rate? A Comparative Statistical and Artificial Intelligence Study.](#)

Author(s): Ianole V, Danciu M, Volovat C, Stefanescu C, Herghelegiu CP, Leon F, Iftene A, Cusmuluc CG, Toma B, Drug V, Ciobanu Apostol DG

Published in: Cancers, Issue 14(12):2915, 2022, ISSN 2072-6694

Publisher: Multidisciplinary Digital Publishing Institute (MDPI)

DOI: 10.3390/cancers14122915

[Potential Utility of Induced Translocation of Engineered Bacteria as a Therapeutic Agent for Mounting a Personalized Neoantigen-Based Tumor Immune Response](#)

Author(s): Ginés Luengo-Gil; Pablo Conesa-Zamora

Published in: Crossref, Issue 2, 2021, ISSN 2056-6646

Publisher: Wiley-VCH

DOI: 10.1002/gch2.202100051

[Biospecimen Digital Twins: Moving from a “High Quality” to a “Fit-for-Purpose” Concept in the Era of Omics Sciences](#)

Author(s): UMBERTO NANNI, PATRIZIA FERRONI, SILVIA RIONDINO, ANTONELLA SPILA, MARIA GIOVANNA VALENTE, GIROLAMO DEL MONTE, MARIO ROSELLI, FIORELLA GUADAGNI

Published in: Cancer Genomics - Proteomics, Issue 20, 2023, Page(s) 211-221, ISSN 1109-6535

Publisher: International Institute of Anticancer Research

DOI: 10.21873/cgp.20376

[Enhanced SREBP2-driven cholesterol biosynthesis by PKC \$\alpha\$ deficiency in intestinal epithelial cells promotes aggressive serrated tumorigenesis](#)

Author(s): Yu Muta, Juan F. Linares, Anxo Martinez-Ordoñez, Angeles Duran, Tania Cid-Diaz, Hiroto Kinoshita, Xiao Zhang, Qixiu Han, Yuki Nakanishi, Naoko Nakanishi, Thekla Cordes, Gurpreet K. Arora, Marc Ruiz-Martinez, Miguel Reina-Campos, Hiroaki Kasashima, Masakazu Yashiro, Kiyoshi Maeda, Ana Albaladejo-Gonzalez, Daniel Torres-Moreno, José García-Solano, Pablo Conesa-Zamora, Giorgio Inghirami, Christia

Published in: Nature Communications, Issue 14, 2023, ISSN 2041-1723

Publisher: Nature Publishing Group

DOI: 10.1038/s41467-023-43690-5

[Role of Non-Coding RNAs in Colorectal Cancer: Focus on Long Non-Coding RNAs](#)

Author(s): Matteo Lulli, Cristina Napoli, Ida Landini, Enrico Mini, Andrea Lapucci

Published in: International Journal of Molecular Sciences, Issue 23, 2024, Page(s) 13431, ISSN 1422-0067

Publisher: Multidisciplinary Digital Publishing Institute (MDPI)

DOI: 10.3390/ijms232113431

[Evaluating Explainable Machine Learning Models for Clinicians](#)

Author(s): Noemi Scarpato, Aria Nourbakhsh, Patrizia Ferroni, Silvia Riondino, Mario Roselli, Francesca Fallucchi, Piero Barbanti, Fiorella Guadagni, Fabio Massimo Zanzotto

Published in: Cognitive Computation, Issue 16, 2024, Page(s) 1436-1446, ISSN 1866-9956

Publisher: Springer Verlag

DOI: 10.1007/s12559-024-10297-x

[Thiourea- and Amino-Substituted Benzoxadiazole Dyes with Large Stokes Shifts as Red-Emitting Probe Monomers for Imprinted Polymer Layers Targeting Carboxylate-Containing Antibiotics](#)

Author(s): Virginia Valderrey, Kornelia Gawlitza, Knut Rurack

Published in: Chemistry – A European Journal, Issue 28, 2023, Page(s) e202104525, ISSN 0947-6539

Publisher: John Wiley & Sons Ltd.

DOI: 10.1002/chem.202104525

[Immune Response in Vitamin D Deficient Metastatic Colorectal Cancer Patients: A Player That Should Be Considered for Targeted Vitamin D Supplementation](#)

Author(s): Cristina Morelli, Michela Rofei, Silvia Riondino, Daniela Fraboni, Francesco Torino, Augusto Orlandi, Manfredi Tesauro, Giovanna Del Vecchio Blanco, Massimo Federici, Hendrik-Tobias Arkenau, Vincenzo Formica, Mario Roselli

Published in: Cancers (Basel), 2022, ISSN 2072-6694

Publisher: Multidisciplinary Digital Publishing Institute (MDPI)

DOI: 10.3390/cancers14112594

[XAI Unveiled: Revealing the Potential of Explainable AI in Medicine - A Systematic Review](#)

Author(s): Noemi Scarpato, Patrizia Ferroni, Fiorella Guadagni

Published in: IEEE Access, 2024, Page(s) 1-1, ISSN 2169-3536

Publisher: Institute of Electrical and Electronics Engineers Inc.

DOI: 10.1109/access.2024.3514197

[SIBILA: Automated Machine-Learning-Based Development of Interpretable Machine-Learning Models on High-Performance Computing Platforms](#)

Author(s): Antonio Jesús Banegas-Luna, Horacio Pérez-Sánchez

Published in: AI, Issue 5, 2024, Page(s) 2353-2374, ISSN 2673-2688

Publisher: MDPI

DOI: 10.3390/ai5040116

[Global Methylome Scores Correlate with Histological Subtypes of Colorectal Carcinoma and Show Different Associations with Common Clinical and Molecular Features.](#) 

Author(s): María Del Carmen Turpin-Sevilla; Fernando Perez-Sanz; José García-Solano; Patricia Sebastian-Leon; Javier Trujillo-Santos; Pablo Carbonell; Eduardo Estrada; Anne Tuomisto; Irene Herruzo; Lochlan Fennell; Lochlan Fennell; Markus J. Mäkinen; Edith Rodriguez-Braun; Vicki L. J. Whitehall; Vicki L. J. Whitehall; Ana Conesa; Pablo Conesa-Zamora

Published in: Volume 13, Issue 2, 2021, ISSN 2072-6694

Publisher: Multidisciplinary Digital Publishing Institute (MDPI)

DOI: 10.3390/cancers13205165

[Drug recommendation ranking for personalized medicine using outcomes of retrospective cancer patients](#) 

Author(s): Noemi Scarpato, Silvia Riondino, Aria Nourbakhsh, Mario Roselli, Patrizia Ferroni, Fiorella Guadagni, Fabio Massimo Zanzotto

Published in: Expert Systems with Applications, Issue 256, 2024, Page(s) 124859, ISSN 0957-4174

Publisher: Pergamon Press Ltd.

DOI: 10.1016/j.eswa.2024.124859

[JUN mediates the senescence associated secretory phenotype and immune cell recruitment to prevent prostate cancer progression](#) 

Author(s): Torben Redmer, Martin Raigel, Christina Sternberg, Roman Ziegler, Clara Probst, Desiree Lindner, Astrid Aufinger, Tanja Limberger, Karolina Trachtova, Petra Kodajova, Sandra Högl, Michaela Schleder, Stefan Stoiber, Monika Oberhuber, Marco Bolis, Heidi A. Neubauer, Sara Miranda, Martina Tomberger, Nora S. Harbusch, Ines Garces de los Fayos Alonso, Felix Sternberg, Richard Moriggl, Jean-Philipp

Published in: Molecular Cancer, Issue 23, 2024, ISSN 1476-4598

Publisher: BioMed Central

DOI: 10.1186/s12943-024-02022-x

[Targeted inhibition of ERα signaling and PIP5K1α/Akt pathways in castration-resistant prostate cancer](#) 

Author(s): Julius Semenas, Tianyan Wang, Azharuddin Sajid Syed Khaja, AKM Firoj Mahmud, Athanasios Simoulis, Thomas Grundström, Maria Fällman, Jenny L. Persson

Published in: Molecular Oncology, Issue 15, 2023, Page(s) 968-986, ISSN 1574-7891

Publisher: Elsevier BV

DOI: 10.1002/1878-0261.12873

[Sialyl-Tn Antigen-Imprinted Dual Fluorescent Core-Shell Nanoparticles for Ratiometric Sialyl-Tn Antigen Detection and Dual-Color Labeling of Cancer Cells](#) 

Author(s): Shan Jiang, Tianyan Wang, Sandra Behren, Ulrika Westerlind, Kornelia Gawlitza, Jenny L. Persson, Knut Rurack
Published in: ACS Applied Nano Materials, Issue 5, 2023, Page(s) 17592-17605, ISSN 2574-0970
Publisher: ACS Publications
DOI: 10.1021/acsanm.2c03252

[Principles of Molecular Utility for CMS Classification in Colorectal Cancer Management](#)

Author(s): Leili Rejali, Romina Seifollahi Asl, Fatemeh Sanjabi, Nayeralsadat Fatemi, Hamid Asadzadeh Aghdaei, Mahsa Saeedi Niasar, Pardis Ketabi Moghadam, Ehsan Nazemalhosseini Mojarad, Enrico Mini, Stefania Nobili
Published in: Cancers, Issue 15, 2025, Page(s) 2746, ISSN 2072-6694
Publisher: Multidisciplinary Digital Publishing Institute (MDPI)
DOI: 10.3390/cancers15102746

[Towards the Interpretability of Machine Learning Predictions for Medical Applications Targeting Personalised Therapies: A Cancer Case Survey](#)

Author(s): Antonio Jesús Banegas-Luna, Jorge Peña-García, Adrian Iftene, Fiorella Guadagni, Patrizia Ferroni, Noemi Scarpato, Fabio Massimo Zanzotto, Andrés Bueno-Crespo, Horacio Pérez-Sánchez
Published in: International Journal of Molecular Sciences, Issue 22/9, 2021, Page(s) 4394, ISSN 1422-0067
Publisher: Multidisciplinary Digital Publishing Institute (MDPI)
DOI: 10.3390/ijms22094394

[Circulating Tumor Cell Models Mimicking Metastasizing Cells In Vitro: Discrimination of Colorectal Cancer Cells and White Blood Cells Using Digital Holographic Cytometry](#)

Author(s): Marek Feith, Yuecheng Zhang, Jenny L. Persson, Jan Balvan, Zahra El-Schich, Anette Gjörloff Wingren
Published in: Photonics, 2022, ISSN 2304-6732
Publisher: MDPI
DOI: 10.3390/photonics9120955

[Effects of imipramine on cancer patients over-expressing Fascin1; description of the HITCLIF clinical trial](#)

Author(s): Antonio Asensi-Cantó, Edith Rodríguez-Braun, Asunción Beltrán-Videla, Ana María Hurtado, Pablo Conesa-Zamora
Published in: Frontiers in Oncology, Issue 13, 2024, ISSN 2234-943X
Publisher: Frontiers Media S. A.
DOI: 10.3389/fonc.2023.1238464

[WADDAICA: A webserver for aiding protein drug design by artificial intelligence and classical algorithm](#)

Author(s): Qifeng Bai, Jian Ma, Shuo Liu, Tingyang Xu, Antonio Jesús Banegas-Luna, Horacio Pérez-Sánchez, Yanan Tian, Junzhou Huang, Huanxiang Liu, Xiaojun Yao

Published in: Computational and Structural Biotechnology Journal, Issue 19, 2024, Page(s) 3573-3579, ISSN 2001-0370

Publisher: Elsevier B.V.

DOI: 10.1016/j.csbj.2021.06.017

[Clinical Utility of Plasma KRAS, NRAS and BRAF Mutational Analysis with Real Time PCR in Metastatic Colorectal Cancer Patients—The Importance of Tissue/Plasma Discordant Cases](#) 

Author(s): Vincenzo Formica, Jessica Lucchetti, Elena Doldo, Silvia Riondino, Cristina Morelli, Renato Argirò, Nicola Renzi, Daniele Nitti, Antonella Nardecchia, Emanuela Dell'Aquila, Patrizia Ferroni, Fiorella Guadagni, Giampiero Palmieri, Augusto Orlandi, Mario Roselli

Published in: Journal of Clinical Medicine, Issue 10/1, 2021, Page(s) 87, ISSN 2077-0383

Publisher: Multidisciplinary Digital Publishing Institute (MDPI)

DOI: 10.3390/jcm10010087

[K-RAS Associated Gene-Mutation-Based Algorithm for Prediction of Treatment Response of Patients with Subtypes of Breast Cancer and Especially Triple-Negative Cancer](#) 

Author(s): Heather Johnson, Amjad Ali, Xuhui Zhang, Tianyan Wang, Athanasios Simoulis, Anette Gjørloff Wingren, Jenny L. Persson

Published in: Cancers, Issue 14, 2025, Page(s) 5322, ISSN 2072-6694

Publisher: Multidisciplinary Digital Publishing Institute (MDPI)

DOI: 10.3390/cancers14215322

[Use of Personalized Biomarkers in Metastatic Colorectal Cancer and the Impact of AI](#) 

Author(s): Volovat SR, Augustin I, Zob D, Boboc D, Amurariti F, Volovat C, Stefanescu C, Stolniceanu SC, Ciocoiu M, Dumitras EA, Danciu M, Ciobanu Apostol DG, Drug V, Al Shurbaji S, Coca LG, Leon F, Iftene A, Herghelegiu PC.

Published in: Cancers, Issue 14(19):4834, 2022, ISSN 2072-6694

Publisher: Multidisciplinary Digital Publishing Institute (MDPI)

DOI: 10.3390/cancers14194834

[Polymerizable BODIPY probe crosslinker for the molecularly imprinted polymer-based detection of organic carboxylates <i>via</i> fluorescence](#) 

Author(s): Yijuan Sun, Kornelia Gawlitza, Virginia Valderrey, Jérémy Bell, Knut Rurack

Published in: Materials Advances, Issue 5, 2024, Page(s) 3783-3793, ISSN 2633-5409

Publisher: Royal Society of Chemistry

DOI: 10.1039/d3ma00476g

[Artificial Intelligence Predictive Models of Response to Cytotoxic Chemotherapy Alone or Combined to Targeted Therapy for Metastatic Colorectal Cancer Patients: A Systematic Review and Meta-Analysis](#)

Author(s): Valentina Russo, Eleonora Lallo, Armelle Munnia, Miriana Spedicato, Luca Messerini, Romina D'Aurizio, Elia Giuseppe Ceroni, Giulia Brunelli, Antonio Galvano, Antonio Russo, Ida Landini, Stefania Nobili, Marcello Ceppi, Marco Bruzzone, Fabio Cianchi, Fabio Staderini, Mario Roselli, Silvia Riondino, Patrizia Ferroni, Fiorella Guadagni, Enrico Mini, Marco Peluso

Published in: Cancers, Issue 14, 2025, Page(s) 4012, ISSN 2072-6694

Publisher: Multidisciplinary Digital Publishing Institute (MDPI)

DOI: 10.3390/cancers14164012

[Cell-autonomous IL6ST activation suppresses prostate cancer development via STAT3/ARF/p53-driven senescence and confers an immune-active tumor microenvironment](#)

Author(s): Christina Sternberg, Martin Raigel, Tanja Limberger, Karolína Trachtová, Michaela Schleder, Desiree Lindner, Petra Kodajova, Jiaye Yang, Roman Ziegler, Jessica Kalla, Stefan Stoiber, Saptaswa Dey, Daniela Zwolanek, Heidi A. Neubauer, Monika Oberhuber, Torben Redmer, Václav Hejret, Boris Tichy, Martina Tomberger, Nora S. Harbusch, Jan Pencik, Simone Tangermann, Vojtech Bystry, Jenny L. Persson

Published in: Molecular Cancer, Issue 23, 2024, ISSN 1476-4598

Publisher: BioMed Central

DOI: 10.1186/s12943-024-02114-8

[Global and Local Interpretable Machine Learning Allow Early Prediction of Unscheduled Hospital Readmission](#)

Author(s): Rafael Ruiz de San Martín, Catalina Morales-Hernández, Carmen Barberá, Carlos Martínez-Cortés, Antonio Jesús Banegas-Luna, Francisco José Segura-Méndez, Horacio Pérez-Sánchez, Isabel Morales-Moreno, Juan José Hernández-Morante

Published in: Machine Learning and Knowledge Extraction, Issue 6, 2024, Page(s) 1653-1666, ISSN 2504-4990

Publisher: MDPI

DOI: 10.3390/make6030080

[FcyRIIIa receptor interacts with androgen receptor and PIP5K1α to promote growth and metastasis of prostate cancer](#)

Author(s): Per Flodbring Larsson, Richard Karlsson, Martuza Sarwar, Regina Miftakhova, Tianyan Wang, Azharuddin Sajid Syed Khaja, Julius Semenas, Sa Chen, Andreas Hedblom, Amjad Ali, Kristina Ekström-Holka, Athanasios Simoulis, Anjani Kumar, Anette Gjörloff Wingren, Brian Robinson, Sun Nyunt Wai, Nigel P. Mongan, David M. Heery, Daniel Öhlund, Thomas Grundström, Niels Ødum, Jenny L. Persson

Published in: Molecular Oncology, Issue 16, 2023, Page(s) 2496-2517, ISSN

1574-7891

Publisher: Elsevier BV

DOI: 10.1002/1878-0261.13166

[Colorectal Cancer Cell Spheroids Co-Cultured with Molecularly Imprinted Fluorescent Particles Targeting Sialic Acid Show Preserved Cell Viability](#)

Author(s): Thomas Sjöberg, Zahra El-Schich, Knut Rurack, Anette Gjörlöf Wingren

Published in: Applied Sciences, Issue 13, 2023, Page(s) 5330, ISSN 2076-3417

Publisher: MDPI

DOI: 10.3390/app13095330

Conference proceedings (6)

[Learn Chemistry with Augmented Reality](#)

Author(s): Camelia Macariu, Adrian Iftene, Daniela Gîfu

Published in: Procedia Computer Science, Issue 176, 2020, Page(s) 2133-2142, ISSN 1877-0509

Publisher: Elsevier

DOI: 10.1016/j.procs.2020.09.250

[Prehospital Cerebrovascular Accident Detection using Artificial Intelligence Powered Mobile Devices](#)

Author(s): Cristian Simionescu, Madalina Insuratelu, Robert Herscovici

Published in: Procedia Computer Science, Issue 176, 2020, Page(s) 2773-2782, ISSN 1877-0509

Publisher: Elsevier

DOI: 10.1016/j.procs.2020.09.279

[Atrial Fibrillation Detection Based on Deep Learning Models](#)

Author(s): Iftene, A., Burlacu, A., Gîfu, D.

Published in: Proceedings of 26th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems. 7-9 September 2022, Verona, Italy, 2022, Page(s) 3752--3760, ISSN 1877-0509

Publisher: Elsevier

DOI: 10.1016/j.procs.2022.09.436

[Automatic Real-Time Road Crack Identification System](#)

Author(s): Lucia-Georgiana Coca, Ciprian-Gabriel Cusmuluc, Vladut-Haralambie Morosanu, Teodora Grosu, Adrian Iftene

Published in: 2020 22nd International Symposium on Symbolic and Numeric

Algorithms for Scientific Computing (SYNASC), 2022, Page(s) 218-223

Publisher: International Committee on Computational Linguistics

DOI: 10.1109/synasc51798.2020.00043

[UAICS at SemEval-2020 Task 4: Using a Bidirectional Transformer for Task a](#)

Author(s): Ciprian-Gabriel Cusmuluc, Lucia-Georgiana Coca, Adrian Iftene

Published in: Proceedings of the Fourteenth Workshop on Semantic Evaluation, 2021, Page(s) 609-613

Publisher: International Committee for Computational Linguistics

DOI: 10.18653/v1/2020.semeval-1.77

[Crack detection system in AWS Cloud using Convolutional neural networks](#)

Author(s): Georgiana-Lucia Coca, Ștefan-Cosmin Romanescu, Șerban-Mihai Botez, Adrian Iftene

Published in: Procedia Computer Science, Issue 176, 2020, Page(s) 400-409, ISSN 1877-0509

Publisher: Elsevier

DOI: 10.1016/j.procs.2020.08.041

Other Research Products

Other Research Products via OpenAire (2)



[Targeted therapeutic strategies for prostate cancer treatment using novel lipid kinase inhibitors in combination with current drugs](#)

Author(s): Semenas, Julius

Published in: Umeå universitet, Institutionen för molekylärbiologi (Medicinska fakulteten)

[Applications of Tumor Cells in an In Vitro 3D Environment](#)

Author(s): Hasterok, Sylwia; Gustafsson, Anna; Gjörlöf Wingren, Anette

Published in: Malmö universitet, Institutionen för biomedicinsk vetenskap (BMV)

Last update: 13 August 2024

Permalink: <https://cordis.europa.eu/project/id/848098/results>

