

EUREKA Partnering Days in Ukraine

MEDICAL TECHNOLOGIES
for the 21st Century

October 15-16, 2001, Kyiv, Ukraine

Catalogue of project suggestions, Publishing House "Naukovy Svit", Kyiv, 2001
Digest of projects suggested on the International scientific and technical EUREKA programme, Kyiv, 2001, 48 page.

This digest provides description of all projects suggested on Partnering Days of International scientific and technical EUREKA programme in Ukraine. Subject of the Partnering Days, dedicated to the new medical technologies and instrumentation for their implementation, was covered on two workshops.

1. **New medical instrumentation** (laser equipment (therapeutic, surgical); cryogenic equipment (therapeutic, surgical); instrumentation for diagnostics and treatment of osteoporosis; instrumentation for treatment of infantile cerebral paralysis; diagnostic and therapeutic equipment, laser technologies for oncology; other diagnostic and therapeutic equipment).

2. **Informatics and telemedicine technologies** (informational technologies for first aid and specialised care, telemedicine technologies; remote training; telemetry, monitoring, remote consultations).

The digest is intended for wide circle of researching and practising medical workers searching partners for joint realisation of the ideas and device prototypes and their implementation in the health care.

Editor P.S. Smertenko

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Project 1 ("Cerart")

Creation of manufacturing ceramic articles based on Ukrainian zircon sand deposit

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Project 2 ("ApplePect")

Medical technologies for biological prevention of exochemical pathology

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Project 3 ("BioPasImplant")

New system for scoliosis treatment with osteoporosis

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Project 4 ("Antropos-E")

Expert-diagnostic blood circulation system

Odinetz G.S., Institute of Radio-measuring Equipment,

Belkaniya G.S., Vinnitsa Medical Institute

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Project 5 ("Stent")

Stent for remote prosthesis and shunting

Kononov A.Ya., Institute of General and Urgent Surgery, AMS of Ukraine

61018, Kharkiv, Balakireva v'izd, 1. tel.:38(0572)521545, fax:38(0572)521548

Project 6 ("Endoprosthesis")

Self-fixing endoprosthesis and device for its implantation

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Project 7 ("Catheter")

Cardiac catheter for surgical prophylaxis and treatment of myocardial infarction

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Project 8 "TeleCard"

Development of telemedical electric cardiogram systems

Pavlovich R.V., "DX Center"

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Project 9 ("Techniques")

Physiotherapeutical device

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Project 10 "Medication"

Technology and device for mechanochemical modification of antineoplastic anthracyclie antibiotics

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Project 11 "Electron-2002"

New modification of electron microscope

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Project 12 "Mechanoemission"

Development of medical-informational intellectual technology

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Project 13("Magnetothermia")

Deep-Through Hyperthermia

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Project 14 "Keylim-1"

Development of new bioactive diagnostic medication

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Project 15 ("Medicomp")

Effect of computer technologies on the public health

*Paraschyuk Yu. S., Kharkiv State Medical University
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Project 16 ("Blood")

Rheology and Blood Flow in Microcirculation System: Experimental Research and Problems of Mathematical Modeling

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Project 17 ("Health Centre")

Establishing of Centre of Health and Rejuvenation

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Project 18 ("Electrostimulation")

Electrode pad for electrostimulation

*Shulyaka G.K., "MyoRhythm"
01033, Kiev, Zhilyanskaya str., 31, tel./fax:38(044)220-9702*

Project 19 ("Orthopaedic insoles")

Device for computer scanning

*Mihalitsyn M.V., "Into LTD"
61024, Kharkiv, Pushkinska str., 80, tel.:38(0572)194384*

Project 20 ("Ultrasonic")

The development of an ultrasonic microscope

*Lushchik U., Istyna Medical Ultrasonic Center
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Project 21 ("Digital diagnostics")

Medical ultrasonic digital diagnostics system.

*Yaroshenko V.V., "Eskulap"
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fax:38(044)472-2457, E-mail: eskulap@zeos.net*

Project 22 ("Viral infections")

Information system of measures caused by sanitary-epidemiological situation

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Ukrainian research Institute of Medicine of Transport Ministry of Health of Ukraine
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E-mail: med_trans@paco.net

Project 23 ("Infections")

System for complex viral-morphological testing

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E-mail: hniimi@nord.vostok.net; Web-site: http://hniimi.da.ru

Project 24 "Laser"

Development of the Complex Laser Therapeutic Methods

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Project 25 ("Ozoniser")

Manufacturing domestic ozoniser

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Project 26 ("PETomograph")

Positron-emission tomograph: developing technology and establishing production

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E-Mail: lubinsky@isc.kharkov.com

Project 27 ("Registration")

Designing information technology for multichannel registration of biomedical signals

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Project 28 ("Monitoring")

Health Monitoring

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Project 29 ("RemEd Software")

Informational technologies in medical personnel certification

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Project 30 ("RemEd")

Remote training of medical personnel, based on telecommunication satellite system

*Mincer O.P., Kyiv medical academy of post-diploma education
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Project 31 ("BioAlloy")

Development of high-refined alloys of improved biological compatibility

*Maksyuta I.I., PTIMA NASU, "Scientific Medical Pharmaceutical Expert Centre" MHSU;
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Project 32 ("Screen Estimation")

Multifunction device for screening estimation of biochemical and immunological hemodynamical parameters of human vital activities and disease course monitoring

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Project 33 ("Dosed Unloading")

Device providing dosed unloading and physical abilities improvement

Yevgen Olexandrovich Osadchiy, the Ternopil Academy of National Economy

Project 34 ("Medrecycling")

Implementation of Ecological management principals in the sphere of medical wastes utilization and recycling in Ukraine.

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Project 35 ("M-Hospital")

Modular Hospital Information System

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Emeljanov S.O., ESCAPE Ltd

Kaplan G.A., ProTech Ltd

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