



MEDICAL AND PHARMACEUTICAL TECHNOLOGIES

INNOVATION POTENTIAL OF THE MALOPOLSKA REGION



Cracow, 2017

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METHODOLOGY

This catalog contains profiles of the companies engaged in the widely defined sector of life sciences. Entities were divided into several categories: cosmetics, production of medicines, diagnostics/e-health, medical equipment, clinical trials and medical services.

The following were excluded from this classification: entities providing medical and dental internship, hospitals and public and private clinics, medical practice groups, as well as entities providing internships for nurses and midwives. Pharmacies, pharmaceutical wholesalers and small medicine shops were also excluded.

The entities operating on the market were identified by means of research in: sector catalogs, official websites of the commercial businesses operating in the sector, the Klaster Life Science proprietary database, press publications and business fair catalogs.

Each of the entities operating within the sector was categorized based on their area of expertise. And each was assigned certain key words, which correspond with their basic business activity. The glossary of key words was created based on how the various market segments are grouped in specialized magazines and other sector sources.

This catalog comprises companies active in the Malopolska region as well as members of the Klaster LifeScience, even if seated outside of the voivodeship.

The presentation of the academic background revolves mainly around the available study programs: Bachelor, Master and doctoral studies, as well as postgraduate programs. Only those programs were included, which provide its graduates with the right set of skills and competences required to find employment in the medical, pharmaceutical or supporting technologies sector.

The category of business environment includes, in turn, entities which can support the food industry in, among others, obtaining external funds, integrating the sector actors, liaising and providing market and competitive analysis.

Entities presented in the section "Key Projects" were identified through researching financial institutions and by accessing the official websites of higher education institutions, research facilities and private businesses. The projects are presented in an alphabetical order (by title).

Statistical data contained in this report were retrieved from the Central Statistical Office of Poland, the European Statistical Office (Eurostat) or from own calculations based on collected data.



THE MAŁOPOLSKA REGION

The Małopolska Voivodeship is a region located in the south of Poland. Its central point is Cracow and its metropolitan area.



Area: 15,183 km²
Number of cities: 61
GDP per capita:
39 834 mln



Population: 3.371 mln
Unemployment rate:
6.6 %
Population density:
222/km²

source: Bank Danych Lokalnych GUS
Data for 2015

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The Małopolska Voivodeship is a region where both scientific and business entities grow rapidly.

13.5%

13.5% of all companies operating in the Małopolska Voivodeship in 2014 were innovative.

1.44%

1.44% of all employees in the Małopolska Voivodeship in 2014 were R&D employees, and it was the 2nd best score in the country.

source: Bank Danych Lokalnych GUS



397 research institutions



29 universities



368,522 business entities



15,543 R&D employees



PLN 1,543.1 mln R&D expenditure



PLN 3,667 is the average monthly gross salary



134,200 agricultural farms



1,195 eco-friendly producers



164 Traditional Products registered

source: Bank Danych Lokalnych GUS
Data for 2016



MEDICAL AND PHARMACEUTICAL TECHNOLOGIES

The regional authorities in Małopolska have since 2009 provided support for preventive healthcare educational TV productions, relating particularly to:



cardiovascular
diseases



depressive
disorders



oncological
diseases



vaccination of
infants



addiction
treatments



HPV vaccination

Source: Profilaktyka w Małopolsce

Operating entities



81
general hospitals



36
sanatoriums



8
spa hospitals

source: Bank Danych Lokalnych GUS



1 955 pharmacies operate in the Małopolska region

and 83 entities involved in the manufacture of basic
pharma substances, medicines and other medicinal
products



Teva Pharmaceuticals Polska is the largest pharma
company in the region, with 3.1% market share

source: Bank Danych Lokalnych GUS

54%

of the entities have
their own R&D
department

40%

of entities conduct
research projects



Małopolska is the second
largest region in Poland in
terms of R&D expenditure
and employment rates

source: Bank Danych Lokalnych GUS

MARKET PLAYERS

COSMETICS

AERO-BW SP.J (<http://www.aerosol.com.pl/>)

Company profile: The company provides professional aerosol filling services for, among others, cosmetic and pharma companies. It creates recipes and designs packaging and labels for spray products. Possibility to order a design and manufacture own production line of spray products. Owner of the NelCosmetic brand, as well as producer of beauty cosmetics.

Key words: Services for cosmetics producers, production of cosmetics, packaging, beauty cosmetics

AKIE SP. Z.O.O (<http://www.akie.pl/>)

Company profile: Producer of the Madeleine cosmetics brand. Cosmetics manufactured according to own proprietary recipe, destined for hotels. Manufacture of shower gels, shampoos and soaps. Own or client's labeling.

Key words: production of cosmetics, personalized cosmetics

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ALLVERNE KOSMETYKI SP. Z.O.O (<http://www.allverne.pl>)

Company profile: Producer of body care cosmetics (soaps, bath lotions, body lotions) and face care products (creams, micellar gels and lipsticks), as well as home fragrance products (fragrance candles and scent diffusers). The company owns a number of brands: Allverne Nature Essence, Vitea, and Bishojo.

Key words: production of cosmetics, body cosmetics

ANWEN SP. Z.O.O (www.anwen.pl)

Company profile: ANWEN produces hair masks according to its own recipe. The products are customized to match the hair type. The company was founded based on a hair care blog.

Key words: production of cosmetics, hair cosmetics

AQUA PROJECT SP. Z O.O. (<http://www.aquapicosmetics.com/>)

Company profile: Manufacture of dermocosmetics based on a combination of lab-purified water with selected active ingredients, which contain water with subtle electromagnetic fields.

Key words: dermocosmetics, skincare, production of cosmetics

ARRIA LABORATORIUM BIO-FARMACEUTYCZNE PROF. CZARNECKIEGO
(www.arria.pl)

Company profile: Production of natural cosmetics made of pollens and containing nucleic acids (DNA), proteins, amino acids, plant enzymes, flavonoids, phytosterols, beta-carotene, sugars, vitamins of all groups, micro- and macro-elements and growth components.

Key words: production of cosmetics, natural cosmetics

ASOA JOANNA PIELASZKIEWICZ (<http://asoa.pl/>)

Company profile: Producer of natural cosmetics based on ecological organic raw materials. Its product range includes unrefined body oils and butter, and exfoliating products.

Key words: production of cosmetics, natural cosmetics

BARWA SPÓŁKA Z O.O. (<http://barwa.com.pl>)

Company profile: Producer of natural cosmetics and soaps. The company owns a lab. It offers hair and body care products, as well as home care products.

Key words: production of cosmetics, natural cosmetics

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BIELENDĄ SP. Z O.O. (<http://bielenda.pl/>)

Company profile: Producer of natural face and body care cosmetics offering a wide range of products. The company's products are exported to European countries, as well as to South Korea, United Arab Emirates and Cyprus.

Key words: production of cosmetics, natural cosmetics

BIOCHEM SP. Z O.O. ([http://biochem-bochnia.pl /](http://biochem-bochnia.pl/))

Company profile: Producer of peat pulp (therapeutic mud) to use for baths and poultice, and mineral salt with collagen destined for spa treatment and beauty salons.

Key words: peat, mud, production of cosmetics, natural cosmetics

BIOER EWELINA DOMAGALIK (<http://bioer.pl/>)

Company profile: Producer of natural and ecological face and body care cosmetics. Cosmetics are manufactured with the use of natural components. The company offers: soaps, oils, face masks, clays and body lotions.

Key words: natural cosmetics, vegan cosmetics

BOCHNERIS SP. Z O.O. (<http://solbochenska.pl/>)

Company profile: The company produces and sells cosmetic salts and the patented Grotty Solne from Bochnia.

Key words: natural cosmetics, cosmetic salt

COBEST SPÓŁKA Z O.O. (www.cobest.pl)

Company profile: Production of cosmetics based on natural raw materials, lab tests of treatments' and cosmetic products' efficiency.

Key words: natural cosmetics, cosmetic research

DELA COSMETICS SP. Z O.O. (<http://dela.pl/>)

Company profile: Dela Cosmetics manufactures powder pulps/loose products (eye liners, eye shadows) and pressed products (powders, blushes). It designs cosmetics recipes on request and provides packaging. It mainly operates through contract manufacturing.

Key words: beauty cosmetics, personalized cosmetics, packaging

ECO PLANT SP. Z O.O. (<http://ecoplant-sklep.pl/>)

Company profile: Producer of natural cosmetics based on herbs and plant components. It distributes under its own brand and as dedicated spa resort and beauty parlors brands.

Key words: natural cosmetics, dermocosmetics, skincare, production of cosmetics

FPHU MIRABELAU (<http://ekomydlarnia.pl/>)

Company profile: Owner of the ekomydlarnia.pl brand. Producer of natural soaps devoid of chemical preservatives (parabens) and foaming agents (SLSs).

Key words: natural cosmetics, soaps, production of cosmetics

ELFA PHARM POLSKA SP. Z O.O. SP. K. (<http://www.elfa-pharm.pl/pl/>)

Company profile: Producer of herbal and plant cosmetics, part of a large holding group operating in Poland, Slovakia and Ukraine. It owns the following brands: Green Pharmacy, Vis Plantis, Intensive Hair Therapy, Dr Santé, Fresh Juice, O'Herbal.

Key words: natural cosmetics, production of cosmetics

ESSENTIAL NATURAL MAGDALENA GABRYŚ (<https://amilie.pl>)

Company profile: The company produces mineral beauty cosmetics, including primers, blushes, bronzers, concealers. Its cosmetics are sold under the Amilie Minerals brand.

Key words: production of cosmetics, beauty cosmetics, mineral cosmetics

EUPHORA GRZEGORZ WNĘK SPÓŁKA JAWNA (<http://www.paese.pl/>)

Company profile: Producer of beauty and make-up cosmetics, including powders, mascaras, primers, shadows, perfumes, nail products.

Key words: production of cosmetics, beauty cosmetics

EXIM S.A (<http://www.exim-krakow.pl/>)

Company profile: Distributor of scented cosmetics; specialized in wholesale and retail sale of top brands of perfumes.

Key words: scented cosmetics, perfumes

FARMA ZIOŁOWA NAGIETEK HALINA WRÓŻEK WROŃSKA (<http://nagietki.pl/>)

Company profile: Producer of natural cosmetics based on marigold and amaranth.

Key words: natural cosmetics, production of cosmetics

„HEAN” FABRYKA KOSMETYKÓW SP. Z O.O. SP. K. (<http://www.hean.pl>)

Company profile: Producer of beauty and skin care cosmetics. Its production facility incorporates an R&D lab.

Key words: beauty cosmetics, production of cosmetics

INSTYTUT DERMOKOSMETYKÓW IDEEPHARM SP. Z O.O. (<https://ideepharm.pl>)

Company profile: Producer of body, face and hair dermocosmetics. The company has its own R&D infrastructure.

Key words: dermocosmetics, producer of cosmetics

IOSSI (<http://www.iossi.eu/>)

Company profile: Producer of natural face, body and hair cosmetics. The manufacture is based on natural and organic oils, self-made plant extracts and essential oils.

Key words: production of cosmetics, natural cosmetics

IZYDA TOMERSCY SP. J. (<http://www.izyda.com.pl/>)

Company profile: Producer of face, body and hair care cosmetics. It also manufactures bespoke made-to-order cosmetics on request (contract manufacturing).

Key words: production of cosmetics, contract manufacturing of cosmetics

KARITE PLUS SPÓŁKA Z O.O.

Company profile: Karite Plus produces cosmetics based on the karite butter. It is engaged in R&D research into karite butter-based products.

Key words: karite butter, natural cosmetics

KOSMETYKI NATURALNE BOUTIQUE SPÓŁKA Z O.O.

(<http://kosmetykinaturalne-boutique.pl/>)

Company profile: Producer of baby cosmetics and sensitive and allergy prone skin cosmetics; its product range includes body, hair and face care products. The cosmetics are manufactured with use of natural ingredients.

Key words: natural cosmetics, production of cosmetics

KONTAKTREVE DE CHANTELE SP. Z O. O. (<http://revedechantelle.pl/>)

Scope: production of perfumes.

Company profile: The company is involved in the manufacture of perfumes, perfumed waters.

Key words: perfumes, production of perfumes

LABORATORIUM KOSMETYKÓW NATURALNYCH FARMONA SP. Z O.O

(<https://farmona.pl/>)

Company profile: The company is a producer of natural cosmetics. It also provides training sessions to cosmetologists and beauticians. It has its own R&D infrastructure. It also runs a spa center.

Key words: production of cosmetics, natural cosmetics

LATOILLE 5 RENATA AMBASZ (<http://www.latoille5.eu/>)

Company profile: Producer of organic and natural cosmetics for body and face care. It manufactures creams, perfumes, and natural cosmetics with 2% essential oils.

Key words: natural cosmetics, essential oils, production of cosmetics

LEO SP. Z O. O. (<http://leo.com.pl>)

Company profile: Leo produces hair cosmetics: shampoos, masks, oils. Its products are mainly targeted at professional users, such as hairdressers.

Key words: hair cosmetics, production of cosmetics

MANUFAKTURA KOSMETYKÓW NATURALNYCH EWA

(<http://manufakturamewa.pl/>)

Company profile: Producer of natural cosmetics, including soaps, butters and sugar peeling products. It provides personalized contract manufacturing services to corporate clients.

Key words: natural cosmetics, contract manufacturing of cosmetics, production of cosmetics

MARGO COSMETICS MAŁGORZATA MARCINKOWSKA

(<http://www.margocosmetics.com.pl/>)

Company profile: Margo Cosmetics specializes in the production of make-up and body care cosmetics, and provides packaging services.

Key words: packaging, beauty cosmetics, production of cosmetics

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MARMED HEALTH CARE SP. Z O. O. (<http://kroplazdrowia.com.pl>)

Company profile: Producer of cosmetics, including some classified as class I medicinal products. Its cosmetics recipes are based on natural plant ingredients, oils, extracts and essential oils.

Key words: natural cosmetics, essential oils, medicinal products, production of cosmetics

MARONA ENTERPRISE TADEUSZ MARONA (<http://www.marona.pl/>)

Company profile: Producer of cosmetics, specialized in hand creams. It also provides packaging services.

Key words: production of cosmetics, packaging

MB WYTWÓRNA KOSMETYKÓW SP. J. (<http://www.mbcosmetic.com/>)

Company profile: Producer of make-up cosmetics, including care products for eyes, lips, face, hair and nails.

Key words: beauty cosmetics

MIRACULUM S. A. (<http://miraculum.pl>)

Company profile: Producer of cosmetics with nearly a hundred years of business experience. Its product range encompasses skin care products, hair removal products, as well as make-up cosmetics and perfumery. Miraculum has been listed on the Warsaw Stock Exchange since 2007. It gained its current strong market position by, among others, acquiring numerous small Polish cosmetics businesses.

Key words: production of cosmetics, perfumes and colognes, production of perfumes

MIRAROSA COSMETICS SP. Z O.O. (<http://www.mirarosa.com/>)

Company profile: Production of cosmetics composed of natural essences and aromas, producer of exfoliating and greasing (butters, oils) cosmetics.

Key words: production of cosmetics, natural cosmetics

MYDLARNIA SANTI SP. Z O.O. (<http://edenspa.eu/>)

Company profile: Mydlarnia Santi is involved in the production of natural cosmetics, including: mineral and sea bath salts, medicinal salts, mineral bath crystals, bath powders, bath bombs, sparkling salts, bath milk, and soaps made with 100% plant extracts.

Key words: natural cosmetics, mineral salts, soaps

MYDŁO STACJA WIKTORIA MUCHA (<http://mydlostacja.pl/>)

Company profile: Producer of body care cosmetics: soaps, gels, exfoliating products, body butters and other.

Key words: production of cosmetics, natural cosmetics, exfoliation

NATURAL AROMAS SP. Z O.O. (<http://naturalaromas.pl/>)

Company profile: Production of bath cosmetics, including bath salts, exfoliating products, shower gels and massage oils.

Key words: natural cosmetics, production of cosmetics

NATURALNE AROMATY SP. Z O.O. (<http://naturalnearomaty.com/>)

Company profile: Producer of body, face and hair care cosmetics and bath salts. It promotes aromatherapy, cosmetic inhalation and appraises filling premises with attested scents. Packaging of essential oils, scented oils and massage oils.

Key words: production of cosmetics, natural cosmetics, essential oils, aromatherapy,

NESPERTA SP. Z O.O. (<http://www.nesperta.eu/>)

Company profile: Producer of nail care cosmetics and manicure products and accessories.

Key words: nail care, manicure

NOVA KOSMETYKI S.C. (<http://novakosmetyki.pl/>)

Company profile: Producer of body care cosmetics which are based on natural ingredients: plant oils and butters.

Key words: natural cosmetics, production of cosmetics

NOVA LAB SP. Z O.O. (<http://nova-lab.pl/>)

Company profile: The company conducts physicochemical and microbiological research into cosmetics. It also composes Product's Dossiers, and conducts application tests and dermatological controls.

Key words: production of cosmetics, microbiological research

NOBILUS DOROTA FISTEK-KORBUT (<https://ecolore.pl>)

Company profile: Owner of the cosmetic brand Ecolore. The company produces mineral make-up cosmetics. Its product range includes powders, shadows and blushes. Owner of the online drugstore Ecobell.

Key words: beauty cosmetics, mineral cosmetics, production of cosmetics

PHARMA C FOOD SP. Z O.O. (<http://www.pharmacf.com.pl/>)

Company profile: Producer of body care cosmetics.

Key words: production of cosmetics

PPHU KEJ SP. Z O.O. (<http://www.kej.pl/pl.kosmetyki.html>)

Company profile: Producer of cosmetics: hydrolats, plant oils and oils for aromatherapy.

Key words: production of cosmetics, aromatherapy, hydrosols

PPUH EMMA COSMETICS (<http://www.emmacosmetics.pl/>)

Company profile: Producer of natural make-up cosmetics: eye shadows, blushes, concealers and face powders, lipsticks and eyeliners.

Key words: natural cosmetics, beauty cosmetics

„PRODUKT-SOL” SP. Z O.O. ZAKŁAD PRODUKCJI SOLI SPECJALNYCH
(www.produkt-sol.com.pl)

Company profile: Producer of special salts made on the basis of evaporated salt from the Wieliczka salt mine. Its offer comprises a variety of cosmetic and bath salts, food salts and industrial salts.

Key words: salts, salt production

SALCO AU NATUREL SP. Z O.O. (<http://www.salcoaunaturel.pl/>)

Company profile: The company produces natural cosmetics and body and face care dermocosmetics. It provides contract manufacturing services.

Key words: production of cosmetics, natural cosmetics, dermocosmetics, skincare

SALVENA S.C. (<http://www.salvena.pl/>)

Company profile: Its activity is focused on the production of cosmetics and foods. It owns a technological laboratory and it designs its own recipes with the use of state-of-the-art cosmetology and diet supplement technology; contract manufacturing of a variety of end products.

Key words: production of cosmetics, diet supplements

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SCAN-ANIDA (<http://scananida.com.pl/>)

Company profile: : Producer of cosmetics and medicinal products; its range of products include natural body care cosmetics, and hand and feet care cosmetics. It distributes medicinal products.

Key words: production of cosmetics, dermocosmetics, skincare, natural cosmetics, medicinal products

SCANDIA COSMETICS SP. Z O. O. (<https://scandiacosmetics.pl/pl/>)

Company profile: Producer of natural cosmetics, which it sells under its own brand. It also provides advisory and outsourcing services related to the designing of cosmetics recipes and their manufacture. It owns a laboratory, and an assembly line to manufacture soap.

Key words: production of cosmetics, natural cosmetics, advisory, outsourcing, soap

THE SECRET SOAP STORE SP. Z O.O. (<https://secret-soap.com/>)

Company profile: The Secret Soap Store is involved in the production, distribution and packaging of natural and ecological cosmetics.

Key words: natural cosmetics, soaps, packaging of cosmetics

TIANDE TARNÓW (<http://www.tiandetarnow.pl/>)

Company profile: The company produces cosmetics and medicinal products, based on Eastern medicine recipes and scientific research.

Key words: production of cosmetics, natural cosmetics

WIOLETTA MLECZEK BIO-LIFE COSMETICS (<https://www.krynickska.pl/>)

Company profile: The company manufactures enriched-recipes cosmetic products, which contain such ingredients as: peat, natural mineral water, natural brine, shea butter, argan oil, amber. It also produces cosmetics containing snail slime.

Key words: production of cosmetics, natural cosmetics

WPJ INTERNATIONAL SP. J (<http://wpj-international.eu/>)

Company profile: WPJ International manufactures made-to-order, ready-to-sell cosmetics, which clients can then sell under their own brands (contract manufacturing), and helps clients to create their own new brands of perfumes; pheromones.

Key words: packaging of cosmetics

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WYRÓB KOSMETYKÓW „DOR” DOROTA GROSS (<http://dor-cosmetics.pl/>)

Company profile: Cosmetics intended for nail care (nail polish). The raw materials are imported from Western European countries.

Key words: nail care, nail polish

WYTWÓRNA KOSMETYKÓW MARIZA SP. J. (<http://www.mariza.com.pl/>)

Company profile: Producer of face care, body care and hair care cosmetics, make-up cosmetics, Eau de Toilette and perfumed water. The company has its own cosmetics series and provides cosmetics packaging services.

Key words: production of cosmetics, beauty cosmetics, packaging of cosmetics

XROCKET SP. Z O.O. (www.bodyboom.pl/)

Company profile: Owner of the Body Boom brand, producer of coffee-based exfoliating products and natural body care cosmetics. The company sells its products both domestically and internationally.

Key words: natural cosmetics, production of cosmetics

YASE COSMETICS SP. Z O.O. (<https://www.yasecosmetics.com/>)

Company profile: The company produces freshly-prepared cosmetics, which have a 3-month validity period and which ought to be stored in a refrigerator. The cosmetics contain mineral, organic, vegan and gluten-free extracts.

Key words: natural cosmetics, production of cosmetics, vegan cosmetics

ZAKŁAD PRZERÓBKI SOLANEK JODOWO-BROMOWYCH SALCO SP.J.

(<http://www.salco.pl/>)

Company profile: Its production facility manufactures nutritious salts based on natural ingredients, which speeds up post-workout regeneration and protects against disease. It offers salt therapies.

Key words: salts, salt therapy, brine therapy

MEDICINAL PRODUCTS AND MEDICAL DEVICES

ACCESS PHARMA SP. Z O.O. (<http://accesspharma.eu/pl/>)

Company profile: The company deals with the development and production of dietary supplements and medical devices with development plans for drug production. Its current product range encompasses mainly OTC drugs for sore throat, swelling and bruising, and diosmine.

Key words: development of new drugs, production of medicines, diet supplements

APIPOL FARMA SP Z .O.O (<http://www.apipol.com.pl>)

Company profile: The company produces medicines, dietary supplements and cosmetics using natural beeswax (propolis, pollen, royal jelly and herbal supplements).

Key words: production of medicines, dietary supplements, natural drugs

BIOCENTRUM SP. Z O.O. (<http://www.biocentrum.com.pl/pl/>)

Company profile: A biotechnology company conducting pre-clinical studies of medicines. The company also manufactures highly purified and highly active enzymes, inhibitors and other biologically active preparations, and provides research and development services.

Key words: clinical trials, clinical pathology, biotechnology

BIOMANTIS SP. Z O.O. (<http://www.biomantis.pl/>)

Company profile: Production and distribution of biologically active dressings, ie containing larvae of the fly species *Phaenicia sericata*, for difficult-to-heal wounds (ulcers, sores, postoperative, post-burn and infected wounds).

Key words: biologically active dressings, medical devices

BIOPHAGE PHARMA S.A. (<http://www.biophagepharma.pl/>)

Company profile: The company provides advisory services on the development of medicinal products with the use of bacteriophages. The company's activities include research and development in biotechnology, natural sciences and engineering, and the production of basic pharmaceuticals.

Key words: bacteriophages, phage cocktails, medicinal products, pharmaceutical raw materials

CHEMICZNO-FARMACEUTYCZNA SP. Z O.O. (http://espefa.com.pl/)

Company profile: Pharmaceutical manufacturer. The offer includes both medicines and dietary supplements, and services in the field of: laboratory tests in the field of physicochemical analysis of raw materials and medicinal products - tests are conducted in accordance with FP, EuPh and USP.

Key words: production of medicines, dietary supplements

CORTEX CHEMICALS SP. Z O.O. (http://www.cortexchemicals.com/pl/)

Company profile: Importer and distributor of raw materials and additives in the chemical, foods, feed and pharmaceutical industries, including dietary supplements. Production of such products as plant extracts, organic compounds and fatty acids, minerals, amino acids and proteins, bee products, active substances (APIs).

Key words: pharmaceutical raw materials, dietary supplements, natural medicines

DACLÉ POLSKA S.A. (http://www.dacle.eu/)

Company profile: A daughter company of a French entity, it conducts research on drugs, and is involved in wholesale and retail sale of medicines. In Poland it deals with the management of pharmacies and publications in the field of medicine and pharmacy.

Key words: production of medicines, development of new medicines, pharma management

DUOLIFE SP. Z O. O. (https://duolife.eu/)

Company profile: A brand of dietary supplements based on natural ingredients. Supplements in liquid form and in capsules developed and produced by a Polish company from Bielsko Biała contracted by DuoLife.

Key words: dietary supplements

EM PACK SP. Z O. O. (http://www.em-pack.com.pl/)

Company profile: Contract manufacturing of cosmetics and dietary supplements: creams, milks, masks, tonics, lotions, gels, shampoos and tablets: coated tablets, dragees, effervescent tablets, capsules; and private label services.

Key words: contract manufacturing of cosmetics, dietary supplements

FARMAPIA SP. Z O.O. (<http://www.farmapia.pl/>)

Company profile: The company manufactures cosmetics and dietary supplements based on traditional recipes based on herbs, honey and propolis; it runs an assembly line of prebiotics.

Key words: prebiotics, natural cosmetics, dietary supplements

FARMA PROJEKT SP. Z O.O. / RECORDATI POLSKA SP. Z O.O. (<http://recordati.pl/>)

Company profile: The company conducts research, development and production of pharmaceutical products. Produces specialized and OTC medicines and dietary supplements; research on the production of drugs used in urinary system disorders.

Key words: Over-the-counter (OTC) drugs, dietary supplements, development of new medicines

FARMINA SP. Z O. O. (<http://www.farina.pl/index.php>)

Company profile: Manufacturer of generic drugs (Rx and OTC) and dietary supplements. In 2014 the company bought German manufacturer Spreewaelder Arzneimittel GmbH. Farmina's products are available in Ukraine, Germany, the Netherlands and the United Kingdom.

Key words: production of medicines, generic drugs, dietary supplements, Rx drugs, medicines

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OCTGOFARM SP. Z O.O. (<http://gofarm.pl/pl/>)

Company profile: Development and production of medical devices commissioned by pharmaceutical companies and the private label sector. The company has developed over 200 products: gels, cosmetics, diet supplements, hygiene fluids.

Key words: dietary supplements, medical devices

INSTYTUT BIOTECHNOLOGII SUROWIC I SZCZEPIONEK BIOMED S. A. (<http://www.biomed.pl/>)

Company profile: Manufacturer and exporter of prebiotics, vaccines, dietary supplements and diagnostic preparations, substrates and indicators. The company conducts research and development activities for the purpose of developing and registering its own products, and also has its own laboratories.

Key words: prebiotics, vaccines, development of new drugs

JAGIELLONIAN CENTRE FOR EXPERIMENTAL THERAPEUTICS (<http://jcet.eu/new/>)

Company profile: An external unit of the Jagiellonian University, a center for drug research and development. It conducts interdisciplinary research in pharmacotherapy. JCET itself was organized within the framework of the European Regional Development Fund, Operational Program - Innovative Economy, Measure 2.2, worth PLN 48 million.

Key words: development of new drugs

LANGSTEINER SP. Z O. O (<http://www.langsteiner.eu/pl/>)

Company profile: Manufacturer of medical devices and dietary supplements. It conducts educational activities promoting a healthy lifestyle. It has its own laboratories.

Key words: production of dietary supplements, medical devices, dietary supplements

MONTELIN FARMACEUTICI POLSKA SP. Z O.O. (<http://www.molteni.com.pl/>)

Company profile: Manufacturer and wholesaler of medicines; part of the Italian listed corporation. The company focuses on drugs used in palliative care, diabetes and addiction.

Key words: palliative treatment, wholesaler of medicines, production of medicines

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MPS LABS SP. Z O.O. SP. K. (<http://www.mpslab.com.pl/>)

Company profile: The company is a manufacturer of prescription drugs, medical devices, OTCs and dietary supplements; promotion and distribution of products

Key words: dietary supplements, Over-the-counter (OTC) drugs, Rx medicines, medical devices

PHARMA COSMETIC SP. Z O.O. (<https://pl.fagron.com/pl/>)

Company profile: Pharmaceutical wholesaler, part of the Dutch group Fagron. It supplies Polish pharmacies with raw materials for pharmaceutical recipes, and it has its own laboratory.

Key words: pharmaceutical raw materials, wholesaler of medicines

POLSKI LEK S. A. (<http://polskilek.pl/pl>)

Company profile: Manufacturer of dietary supplements and vitamins. The company is part of Maspex Capital Group. Owner of such brands as Plusssz, Calcium Duo.

Key words: production of dietary supplements, dietary supplements

GAL-CHEM SP. Z O.O. (<http://galchem.pl>)

Company profile: The company deals with the import and distribution of pharmaceutical raw materials for industrial and pharmacy production.

Key words: pharmaceutical raw materials

PPH Galfarm SP. Z O.O. (<http://www.galfarm.com.pl>)

Company profile: The company manufactures and imports pharmaceutical raw materials for industrial and pharmaceutical production.

Key words: pharmaceutical raw materials

P.P.U.H Gorvita (<http://www.gorvita.com.pl/>)

Company profile: Manufacturer of natural therapeutic agents based on natural ingredients and supplements for external use: in the field of dermatology this includes supplements for external use, and in the field of pulmonology and laryngology – natural medicines for throat, nose and ears treatment.

Key words: natural therapeutic agents, dietary supplements

PROAKTIV SP. Z O.O. (www.proaktiv.pl)

Company profile: Manufacturer of dietary supplements from natural raw materials and nano-colloids. They handle their own distribution and run an online shop with their own products.

Key words: production of dietary supplements, natural therapeutic agents, dietary supplements, nanosilver

TACTICA PHARMACEUTICALS SP. Z O.O. (<https://tactica.pl/>)

Company profile: Pharmaceutical company, manufacturer of medicines, diet supplements, foods for special medical purposes, medical devices and cosmetics. Its product range includes prescription and OTC drugs.

Key words: production of medicines, dietary supplements, food for special medical purposes, Rx medicines, Over-the-counter (OTC) drugs

TEVA PHARMACEUTICALS POLSKA SP. Z O.O. (<http://www.teva.pl>)

Company profile: Manufacturer of generic drugs used to treat cardiovascular, nervous, transplant, and oncology and dermatological diseases. A part of global Teva Pharmaceuticals Industries. Its pharmaceutical production facility is located in Cracow.

Key words: generic drugs, production of medicines, Rx medicines, Over-the-counter (OTC) drugs

WYTWÓRNA EUCERYNY LABORATORIUM FARMACEUTYCZNE "COEL" SP.J.

(<http://www.coel.krakow.pl/>)

Company profile: The company manufactures eucerine and its derivatives for the treatment of hard-to-heal wounds, burns and other skin edema. The company produces pharmacopoeial products, disinfection preparations.

Key words: eucerine, medical devices, natural therapeutic agents

ZAKŁAD FARMACEUTYCZNY AMARA SP. Z O.O. (<http://amara.pl/>)

Company profile: Manufacturer of medicines, dietary supplements and pharmaceutical formulas. The company has its own laboratory and R&D department. It produces specialized dermatological cosmetics.

Key words: production of medicines, dietary supplements, dermocosmetics, pharmaceutical raw materials

ZAKŁAD PRODUKCYJNO-HANDLOWY NATCHEM S.C.

(<http://www.natchem.com.pl/>)

Company profile: The company produces plant extracts, such as birch extract, betulinic acid, lupeol, propane extract, oleanolic acid, water-glycol extracts, and the isolation of active substances in the form of purified preparations. It offers: anti-bacterial creams and gels.

Key words: plant extracts, natural cosmetics

Z.P.H PIOKAL (<http://piokal.pl/>)

Company profile: Manufacturer of reusable biothermal inserts and masks, which can be used for medicinal purposes or for prevention.

Key words: bio-thermal inserts, medical devices

MEDICAL EQUIPMENT

ABL&E-JASCO POLSKA SP.Z O.O. (<http://www.jasco.pl/>)

Company profile: The company distributes laboratory equipment. The offer includes spectroscopic equipment; devices for testing drug forms (pharmaceutical testers), as well as chromatography and organic synthesis and peptides equipment.

Key words: laboratory equipment, laboratory appliances, spectroscopic equipment

AFISEN JERZY SUPERATA

Company profile: The company specializes in bio-sensors, developing new products - chemosensors and biosensors – i.e. micro analytical devices. The company offers also services in the area of chemical analysis techniques, including the complete configuration of equipment, training, development and validation of separation methods: chromatography, capillary electrophoresis and sample preparation.

Key words: biosensors, chemosensors, chemical analysis

ASPEL SP. Z.O.O. (<http://www.aspel.com.pl/>)

Company profile: Manufacturer of electronic medical apparatus. The company offers the following types of equipment: electrocardiographs, Holter ECG systems, exercise systems, cardiological rehabilitation equipment, EEG, intensive medical surveillance equipment.

Key words: manufacture of medical equipment, medical apparatus, holter, ECG system, electrocardiograph

BARDOMED SP. Z O.O. (<http://www.bardomed.pl/>)

Company profile: Manufacturer and distributor of rehabilitation and medical equipment, including; laser therapy, ultrasound, magnetotherapy, shortwave diathermy, lymphatic drainage devices, Rosetta ESWT shockwave equipment and high power lasers.

Key words: manufacture of medical equipment, distribution of medical equipment, rehabilitation equipment, medical equipment, electrotherapy, laser therapy

CONBEST SP. Z O.O. (<http://www.conbest.pl/>)

Company profile: The company distributes laboratory equipment and air conditioning equipment, as well as humidification equipment and industrial systems.

Key words: distribution of medical equipment, laboratory equipment

DIAHEM DIAGNOSTIC PRODUCTS SP. Z O.O. (<http://diahem.pl>)

Company profile: The distributor of the Swiss company DiaMed AG. It provides laboratories with a system for archiving biological material samples, blood drainage lancets, bank blood bank management software, etc.

Key words: laboratory equipment

EM-MED SP. Z O. O. (<http://www.emmed.pl>)

Company profile: Manufacturer and distributor of medical devices for patient heating, minimally invasive and non-invasive, hemodynamic monitoring, vascular diagnostics, neonatology. The company manufactures infusion fluids, fabric heaters and infusion fluids.

Key words: distribution of medical equipment, manufacture of medical equipment, medical apparatus, infusion fluids, patient monitoring, medical equipment

FINDAIR SP. Z O. O. (<http://findair.pl/>)

Company profile: The company's primary product is an intelligent device for asthma detection Findair ONE. The device is mounted on top of the drug container and transfers data after each use to the corresponding monitoring application.

Key words: mobile application, asthma, medical devices

GRUPA PHARMATECH SP. Z O.O. (<http://pharmatech.com.pl/>)

Company profile: Manufacturer of fittings (valves, agitators), hoses, seals, connectors for the pharmaceutical, cosmetic and food industries. Production of RABS enclosures for machines and insulation systems.

Key words: manufacture of medical equipment, pharma equipment, laboratory equipment

INOVAMED SP. Z O.O. (<http://inovamed.pl>)

Company profile: Manufacturer of orthopedic and rehabilitation equipment: orthopedic shoes, prostheses, corsets and orthopedic accessories. It helps patients requiring non-standard complex solutions based on German components to select the right equipment. In 2013, the company took over Krakowskie Zakłady Sprzętu Ortopedycznego.

Key words: orthopedic equipment, rehabilitation equipment

GPS LIFE SP. J. (<http://www.gpslife.pl/pl>)

Company profile: GPS Life provides a tool that enables to monitor the whereabouts of the people who are equipped with it. It is dedicated to people who may have difficulty in returning to their place of residence and to their carers.

Key words: GPS, patient monitoring, elderly monitoring

HAND-PROD SP. Z O.O. (<http://www.hand-prod.com.pl/>)

Company profile: Manufacturer of devices for the diagnosis of blood glucose, dietary supplements and pharmaceuticals. Manufacturer of Evercare genius glucometer. The device can be connected to a computer with Internet access.

Key words: diagnostics, medical equipment, mobile application, glucometer

LABSYSTEM EWA SUPERATA (<http://www.labsystem.pl/>)

Company profile: The company supplies equipment, including laboratory equipment, furniture, laminar chambers, centrifuges, reagents and small laboratory equipment to many manufacturers both Polish and foreign.

Key words: laboratory equipment, laboratory apparatus

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MEDICAL SIMULATION TECHNOLOGIES SP. Z O.O. (<http://www.mstech.eu/>)

Company profile: The company supplies medical technology; it is in the process of implementing a simulator, which can be used to train physicians specialized in transesophageal echocardiography (TEE), one of the basic diagnostic methods in cardiology.

Key words: training simulator, cardiology, training

MES SP. Z O.O. (<http://www.mes.com.pl/>)

Company profile: Manufacturer of medical equipment: spirometers, pulse oximeters, rhinometers, capnographers, treadmills, bicycles and a number of other appliances used in respiratory function tests.

Key words: medical devices, medical equipment, spirometer, pulse oximeter

MRI-TECH SP. Z O.O. (<http://www.mri-tech.pl>)

Company profile: Manufacturer of Cirrus 0.2T, a low-impact magnetic resonance imaging (MRI) systems for medical applications. With the use of resonance imaging technology, the device produces high quality images at the low field.

Key words: magnetic resonance imaging, medical apparatus, medical equipment

PRACOWNIA ORTOPEDYCZNA PIOTR LEWKOWICZ (<http://lewkowicz.com.pl/>)

Company profile: The company deals with the preparation of prostheses and orthoses for disabled persons, which are individually tailored to the needs of the patients.

Key words: prosthetics, prosthesis, rehabilitation

PRIMAR SP. Z O.O. (<http://primar.krakow.pl/>)

Company profile: The company supplies complex equipment to laboratories. It performs microbiological air quality testing, stress testing of equipment: return time, maintenance time, verification of the refrigerant chiller's redundancy and emergency power supply.

Key words: laboratory equipment, lab equipment

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PRODROBOT (<http://prodromus.pl/product/prodrobot-standard/>)

Company profile: Manufacturer of a rehabilitation robot, an automatic gait trainer. It is a medical device designed for the rehabilitation of the lower limbs of patients with gait dysfunction.

Key words: rehabilitation, gait trainer, rehabilitation equipment, medical equipment

SEMIC@BIOELEKTRONIKA (<http://www.semic.cracow.pl>)

Company profile: Producer of biological, zoological, medical, veterinary and agricultural laboratory equipment.

Key words: laboratory equipment, lab equipment

DIAGNOSTICS / E-HEALTH

AUTOID S.A. (<https://www.autoid.pl/>)

Company profile: The company provides solutions based on OCR, RFID, bar codes and biometrics for the pharma and medical sectors.

Key words: biometrics

ARDIGEN S.A. (<http://www.ardigen.com>)

Company profile: A bioinformatics company, part of Selvita S.A. The company's focus is on three business areas: LIMS class information management systems, and bioinformatics systems for sequencing nucleic acids and proteins - CLC bio.

Key words: bioinformatics, big data, laboratory management

BIOTE21 ADAM MASTER (<http://www.biote21.com/>)

Company profile: The company provides services in the field of: synthesis and sequencing of nucleic acids, genetic engineering, silencing and amplification of gene expression, diagnosis of predisposition to hereditary diseases including cancer, paternity testing for clients, as well as forensic medical examinations for prosecutors and courts.

Key words: genetic analysis, genetic engineering, organic synthesis

CENTRUM BADAŃ MIKROBIOLOGICZNYCH I AUTOSZCZEPIONEK SP Z O.O. IM. JANA BOBRA SP. Z.O.O (<http://www.cbm.com.pl/>)

Company profile: Microbiological tests, production of autovaccines, manufacture of diagnostic discs, research and development work. Performing microbiological analyzes of aerobic and anaerobic bacteria, yeast-like fungi and dermatophytes.

Key words: microbiology, autovaccines, analytics, microbiological diagnostics, laboratory

COMARCH HEALTHCARE S.A (<http://www.comarch.pl/healthcare/>)

Company profile: The company is part of the Comarch Capital Group. It offers IT management systems for medical documentation, hospital software, remote medical care and own devices used in telecare.

Key words: medical software, e-health, telecare, patient monitoring, IT systems

CONSONANCE SP. Z O.O. (<http://consonance.com.pl>)

Company profile: The company develops consumer electronics for the medical industry in Europe and the United States.

Key words: hardware, software, consumer electronics

COSMETIC SCAN SP. Z O. O. (<http://cosmeticscan.tech/>)

Company profile: Mobile application - a personalized shopping assistant that allows you to choose cosmetics for people with allergies as well as those who want to control the composition of the cosmetics they use.

Key words: mobile application, composition of cosmetics, cosmetics

DATA COMPLEX SP. Z O.O. (<http://www.datacomplex.pl/>)

Company profile: The company offers trend analysis, OOT / OOS prediction, scheduling and implementation of stability studies, microbiological monitoring of the environment, process validation / CPV, tracking of parameters. Creation and implementation of IT systems for data analysis.

Key words: data analysis, microbiology, stability studies, IT systems

DIAGNOSTYKA SP. Z O.O. (<http://diag.pl>)

Company profile: The largest network of diagnostic laboratories in Poland.

Key words: diagnostic laboratories

ERICSSON SP. Z O.O. (<https://www.ericsson.com/>)

Company profile: The company provides software for medical facilities. The company is a manufacturer of the eWUŚ software, which allows patients to verify their rights to public medical services.

Key words: medical software, IT systems

DR OMNIBUS SP. Z O.O. (<http://www.dromnibus.com/pl/>)

Company profile: Manufacturer of a complex tool to support children with developmental and/or behavioral disorders (including autism, Down syndrome, ADHD, mental retardation) in the form of tablet applications.

Key words: mobile application, medical application

HARIMATA SP. Z O.O. (<http://harimata.pl/>)

Company profile: The company is the author of the first medical application, which supports the diagnosis of autism in children.

Key words: mobile application, diagnostics, autism, medical application

GENBIOINFO SP.Z O.O. (<http://www.genbioinfo.pl/>)

Company profile: This entity provides bioinformatic solutions for the industry and science sectors.

Key words: genomics, bioinformatics, data analysis

KRAKOWSKIE CENTRUM INNOWACYJNYCH TECHNOLOGII

INNOAGH Sp. z o.o. (<http://www.innoagh.pl>)

Company profile: Manufacturer of the remote interactive medical consultation systems TeleDICOM II (which uses the TeleCARE IT system), which enables continued medical care of a large number of patients after they are released home.

Key words: advisory, telemedicine, data analysis, e-health

KARIOGEN BOGUSŁAWA KRZYKWA (<http://www.kariogen.pl/>)

Company profile: Studies of cytogenetics in karyotypes; Research scope: prenatal diagnostics (amniocytes from fetal water, chorionic gonadotropin) and maternal study after miscarriage.

Key words: cytogenetics, prenatal diagnosis

MEDAPP S.A. (<http://medapp.pl>)

Company profile: The company specializes in the area of innovative mobile solutions for the medical industry, dealing with mHealth applications.

Key words: medicine application, mobile applications

MREH SP Z O.O. (<http://mreh.pl/>)

Company profile: The company offers a system for remote mobile rehabilitation. The system includes a sensor kit for the patient, a dedicated mobile application and a web platform for professionals.

Key words: rehabilitation, mobile application, medical application

ONCOGENE DIAGNOSTIC SP. Z O.O. (<http://oncogene.pl/>)

Company profile: The company carries out research in the field of molecular diagnostics and genome analysis, specializing in the analysis of selected types of cancer and genetic diseases. In addition, it performs breathing tests to detect an active *Helicobacter pylori* infection. The company is a subsidiary of Diagnostyka Sp. z o. o.

Key words: molecular diagnostics, respiratory tests, breathing tests

PAGA SOLUTIONS SP. Z O.O. (<http://www.ratunek.eu/o-nas.html>)

Company profile: The company has created the Ratunek application, integrated with the system used by the Mountain Volunteer Rescue Service¹.

Key words: mobile application, medical application

PERKINELMER POLSKA SP. Z O.O. (<http://www.perkinelmer.com>)

Company profile: The company implements modern methods of diagnosis of infectious, oncological and fetus diseases. It also scans genetic diseases in children with the use of a single drop of blood.

Key words: diagnostics, infectious diseases, genetic diseases

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PRACOWNIA ANALITYCZNA MAGDALENA SZELAŃGOWSKA

(<http://www.pracownia-analityczna.pl/>)

Company profile: The company deals with laboratory analyzes, research and diagnostics.

Key words: diagnostics, laboratory analysis

SENSINUM SP. Z O. O. (<http://sensinum.pl/>)

Company profile: An IT company, which provides solutions for programming web and desktop applications, with experience in the field of life sciences. It designs the solutions that make up the ambient intelligence and the contemporary Internet of Things.

Key words: biocybernetics, biomedical engineering, mobile applications

TELEMEDYCYNĄ POLSKA S.A. (<http://telemedycynapolska.pl>)

Company profile: The company specializes in cardiology telemedicine. It has a branch in Cracow. It offers the Kardiotele service – a 24-hour cardiopulmonary telecare service; provision of a personal, portable ECG device for sending heart performance test results via telephone; ECG results consultation.

Key words: telemedicine, telecardiology

¹ Górskie Ochotnicze Pogotowie Ratunkowe

WYDAWNICTWO INTERAKTYWNE MEDUTOOLS SP. Z O.O. (www.medutools.pl)

Company profile: The company designs, implements and implements products and services integrating medical knowledge with modern technologies in mobile applications. The company offers 3 applications: MeduSzczenia - mobile vaccination calendar, MeduFit - traffic control system under control and MeduCards - application for medical and pharmaceutical students.

Key words: mobile application, mobile medicine, online application

VERACOMP SA (<http://www.veracomp.pl>)

Company profile: Veracomp supplies solutions in the area of: telecommunication, IT, storage and server security; management of IT infrastructure, audiovisual systems and digital signage, digital document flow.

Key words: telecommunications, digital medicine, teleinformatics

VOXEL S.A. (<http://www.voxel.pl>)

Company profile: Voxel runs a national network of Diagnostic Medical Centers specializing in imaging diagnostics. It provides teleradiology services and supplies hospitals and diagnostic centers with IT systems; implementation of projects involving equipping diagnostic laboratories.

Key words: imaging diagnostics, radiology, teleradiology

CLINICAL RESEARCH

ACCOVION SP. Z O.O. (www.clinipace.com)

Company profile: The company provides clinical trial services. It is part of the international clinical trial research group Clinipace.

Key words: clinical trials

CENTRUM BADAŃ KLINICZNYCH JAGIELLOŃSKIEGO CENTRUM INNOWACJI SP. Z.O.O (<https://www.cbkji.pl>)

Company profile: The Center is specialized in: conducting clinical trials, conducting comprehensive research and development projects in the field of medicine and related sciences.

Key words: clinical trials

KCRI SPÓŁKA Z O.O. (<http://kcri.org/>)

Company profile: The company designs clinical trials and provides full support in their proper implementation. It also represents companies wishing to conduct clinical trials before pharmaceutical regulatory institutions.

Key words: data analysis, clinical trials

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LANDA KATARZYNA ŁANDA (<http://smo.com.pl>)

Company profile: The company conducts clinical trials for R & D, pharmaceutical companies and global CROs.

Key words: bioethics, clinical trials

MONIPOL SP. Z O.O. (<http://www.monipol.com/pl>)

Company profile: Monipol deals with clinical trials, from the feasibility study and design phase to the final reporting of results. The second aspect of the company's business is carrying out audits of clinical trials conducted by other entities.

Key words: clinical trials

SKIN LAB INTERNATIONAL SP. Z O. O. (<http://skinlab.pl/>)

Company profile: The company conducts dermatological, application and implementation studies for the cosmetic and chemical industry, and specialized research for the light industry.

Key words: research in cosmetics

MEDICAL SERVICES

BIOSPEKT BADANIA I EDUKACJA SP. Z O.O. (<http://biospekt.pl/>)

Company profile: The company deals with the chemical analysis, including the determination of element concentrations, as well as with the consultancy for sewage treatment plants, mycological analysis, natural valorization and research and development in the field of life sciences.

Key words: microbiology of activated sludge, microbiology

CENTRUM BADAWCZO-ROZWOJOWE MEDINET SP. Z O.O. (<http://medinet.com.pl/>)

Company profile: The Center conducts projects in the field of aerosology, respiratory physiology, respiratory rehabilitation, psychoneuropharmacology and immunology. It conducts research aimed at understanding the role of the brain in somatic diseases and the effect of inhalation drugs on selected brain functions in asthma patients.

Key words: respiratory disease, respiratory rehabilitation, aerosology

LABORATORIUM IVF S.C. (<http://www.laboratoriumivf.com.pl/>)

Company profile: Distributor of laboratory materials. The company runs a sperm bank.

Key words: sperm bank, laboratory equipment

PROGENIS SP. Z O.O. (<http://progenis.pl/>)

Company profile: The company deals with the storing of stem cells.

Key words: umbilical cord blood bank, stem cells, stem cell bank

KEY PLAYERS' PROFILES

COMARCH HEALTHCARE S.A. (<http://www.comarch.pl/healthcare/>)

Company profile: The company is part of the Comarch Capital Group. The company offers IT systems for hospitals, radiology software and medical records management at the clinic, city and regional level. The company also provides telemedicine solutions based on its own software, medical devices and infrastructure. The company provides services in the field of medical care in the areas of cardiology, obstetrics and senior care. The service is implemented through the Comarch e-Care platform, which allows it to receive and process medical data and data collected from measuring devices, which control specific parameters of life.

Innovative products: The company offers innovative telemedicine solutions and devices including the **Comarch PMA** heart rate recorders, **Comarch Teleholter** is a cardiac diagnostic system that combines the application for ECG signal analysis with telemedicine tools. **Comarch DICOM Runner** is a tool for presenting medical images saved on CD/DVD or other data carriers, and **Comarch HTA** (Comarch Hospital Telemetry Assistant) is an innovative telemetric system designed for hospitalized patients requiring 24-hour follow-up. Web-based **E-Care** allows for telemedicine devices to be connected to it.

Key words: telemedicine, medical appliances, medical applications, software

INSTYTUT BIOTECHNOLOGII SUROWIC I SZCZEPIONEK BIOMED S.A. (<http://biomed.pl>)

Company profile: Leader in the field of vaccines and probiotics - BIOMED is a Polish biotech company, active since 1945. It produces vaccines based on strains of probiotic bacteria, and all the other vaccines that are included in the Preventive Immunization Schedule. It is one of the few pharmaceutical companies in Poland producing innovative medicines including the active substance. The development of new products and the intensive development of existing ones is made possible through cooperation with Polish scientific institutions.

Innovative products: "Development of phagotherapy for the treatment of antibiotic-resistant infections, with particular emphasis on oncological patients". The primary goal of the project is to seek and develop an innovative topical medicine designed to eliminate existing inflammation and infections with the etiology of *Staphylococcus* and/or *Pseudomonas*. The active substance of the product developed under this project will be bacteriophages (i.e. bacterial viruses), directed against the above pathogen. This product will allow the introduction of phage therapy as a standard form of treatment for routine clinical practice.

Key words: vaccines, probiotics, innovative medicines, pharma industry, phage therapy, allergens

SELVITA S.A. (<http://www.selvita.com>)

Company profile: Leader of the Polish biotechnology market. The company operates in the area of drug discovery and development. The company's research focuses on the design and development of new oncology drugs, developing molecules that can be used in the treatment of leukemia, lymphoma and colorectal cancer in the future. Selvita also provides research and development services and offers IT solutions to support innovative projects. In November 2015 Selvita signed the largest deal in its history - a three-year contract with Merck in the innovation segment.

The SELVITA Capital Group is comprised of: Selvita S.A. as the parent company and 5 subsidiaries – Biocentrum Spółka z o. o., Selvita Services Spółka z o. o., Selvita INC (Delaware, USA), Selvita Ltd.(Cambridge, UK), and Ardigne S. A.

Innovative products:

Selvita has developed, in its own research and development, therapeutic compounds: MELK kinase inhibitors, inflammasome inhibitors and a chemical compound, which inhibits the serine synthesis pathway and folic acid cycle. The compounds are inventive and suitable for industrial use.

The company has filed for international patent protection of small molecule inhibitors GCN2, HO-1 and STING agonists.

The company also conducts clinical and preclinical studies of antitumor active substances. It has state-of-the-art laboratories, including a pharmacodynamic laboratory. The company is headquartered in Life Science Park.

Key words: development of new medicines, biotechnology, kinetic Inhibitors, anticancer drugs, drug discovery

SILVERMEDIA S.A. (<http://www.silvermedia.pl/contact/>)

Company profile: Innovative company in the field of telemedicine and biocybernetics. The company has developed algorithms for evaluating medical signals. The solutions are applied in cardiology, rehabilitation and allergology. Silvermedia uses cloud computing or works locally on client servers. It allows for hundreds of thousands of records to be handled simultaneously from different devices.

Innovative products:

SilverLife System - a module of the telemedicine platform enabling remote care for people staying at home.

Silvermedia Cardio Desktop - a medical device application that allows Medical Facilities to perform an ECG test and send a study request to the Description Center.

Silvermedia Cardio Web Viewer - online ECG viewer. Thanks to advanced algorithms, the ECG analysis supports the detection of specific cardiovascular diseases. It also allows you to compare historical patient examinations and describe ECG tests using certified ones.

Silvermedia received funding for the project "Development of Screening System - Adaptation to Research in Allergology and Cardiology".

Silvermedia is the owner and creator of the platform: <https://medivio.pl/>

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Key words: telemedicine, biocybernetics, research, mobile application

TEVA PHARMACEUTICALS POLSKA SP. Z O.O. (<http://www.teva.pl>)

Company profile: Global leader in the generic drugs segment with a portfolio of products containing over 1,000 molecules. It has the broadest portfolio of medicinal products in the industry, being a leading pharmaceutical company. As a company listed on the stock exchange in the USA, Teva is governed by the Sarbanes Oxley Act and the Foreign Corrupt Practices Act (FCPA), which are complementary to the Teva Code of Business Conduct. The company's goal is to increase patient access to high quality therapies by developing, producing and delivering affordable, innovative and specialized drugs and active substances.

Key words: generic drugs, pharma industry, production of medicines

BUSINESS ENVIRONMENT

ANTAL (<http://antal.pl/>)

Type of activity: Recruitment and training

Company profile: The company's main activity is personal consulting and recruitment in the field of pharmaceuticals and medical equipment.

Key words: recruitment, advisory, pharma industry, trainings

BRILLANCE SP. Z O.O. (<http://www.brillance.pl/>)

Type of activity: Recruitment and training

Company profile: The company provides staff leasing, training for pharma professionals, recruitment of outsourced staff and data processing in clinical trials, database creation and programming, double data entry, processing and verification of entered data.

Key words: clinical trials, pharma, trainings, employee leasing

CENAZABIEGU.PL SP. Z O.O. (<http://cenazabiegu.pl/>)

Type of activity: Online portal

Company profile: A portal designed to search for and compares the prices of various medical services and aesthetic medicines.

Key words: medical portal, medical procedures, prices for medical procedures

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CENTRUM TRANSFERU TECHNOLOGII MEDYCZNYCH PARK

TECHNOLOGICZNY SP. Z O.O. (<http://www.kpt.krakow.pl/>)

Type of activity: Technology transfer

Company profile: The company is involved in the transfer of medical technology, helping to raise funds for projects and startups in life science. Subsidiary of John Paul II Hospital in Cracow.

Key words: transfer of technology, start-up, investor

ELPHARMA S.C. (<http://elpharma.pl/>)

Type of activity: Advisory and marketing

Company profile: The company conducts consultancy in the field of pharmaceutical production, marketing of medicinal products, diet supplements and performs audits of Quality Management Systems and Good Manufacturing Practice. The company provides training services for the pharmaceutical, company management and best practices in the promotion of pharmaceuticals and their distribution models.

Key words: trainings, advisory, audit

EUROKREATOR T&C SP. Z O.O. (<http://www.eurokreator.eu/>)

Type of activity: Advisory and marketing

Company profile: The company provides advisory services and analyzes other companies in terms of their R&D potential. It connects science with business, engages local authorities in various undertakings, and finds technological solutions for the education sector. It provides funding for good ideas and develops strategies for their development.

Key words: advisory, analysis, corporate development

GAEU (<http://www.gaeu.pl/>)

Type of activity: Recruitment and training

Company profile: Consultancy on obtaining EU subsidies for companies.

Key words: pharma, advisory, pharmaceutical sector

INTECH PK SP. Z O.O. (<http://www.intechpk.pl>)

Type of activity: Technology transfer

Company profile: Special purpose vehicle of the Cracow University of Technology, involved in the transfer of knowledge and cooperation between science and business. Its key expertise includes the commercialization of R&D findings.

Key words: Information and communications technology, innovative technologies

INFOBROKERSKA (www.infobrokerska.pl)

Type of activity: Advisory and marketing

Company profile: It supports businesses in market analysis, market potential research and business partner identification.

Key words: competitor analysis, marketing strategy, market due diligence, market research

JAGIELLOŃSKIE CENTRUM INNOWACJI SP. Z O.O. (<http://www.jci.pl>)

Type of activity: Infrastructure for the life science sector

Company profile: Laboratories and research services. JCI Quality Institute - for manufacturers of cosmetics, dietary supplements and healthy foods. It conducts clinical trials and R&D projects in the field of medicine and related sciences. Research services in biological analysis, chemical analysis, structural analysis and drug formulation, surface analysis, medical diagnostics and tissue engineering.

Key words: life science, clinical trials, biological analysis, chemical analysis

JCI VENCURE Sp. z o.o. (<http://jciventure.pl/>)

Type of activity: Venture Capital / Seed Fund

Company profile: The company invests in projects and startups in the life sciences sector.

Key words: investor, seed fund, venture capital

KG LEGAL KANCELARIA RADCÓW PRAWNYCH I TŁUMACZY PRZYSIĘGLYCH
(www.kg-legal.pl/)

Type of activity: Advisory and marketing

Company profile: The firm specializes in widely-defined translation/language and legal services, providing professional language- and marketing-related advisory services, helping its Polish clients to expand onto foreign markets, and its foreign clients – to better invest on the Polish market.

Key words: translation, advisory, law firm

KANCELARIA TRAPLE KONARSKI PODRECKI I WSPÓLNICY SP. J. (www.traple.pl)

Type of activity: Legal services

Company profile: The law firm provides legal services to Polish and foreign entrepreneurs as well as to public entities. He specializes in such areas as: intellectual property law, pharmaceutical law, competition law, advertising and promotion law, corporate service, public procurement.

Key words: law firm, advisory, law

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KRAKOWSKI PARK TECHNOLOGICZNY SP. Z O.O. (www.kpt.krakow.pl/)

Type of activity: Infrastructure for the life science sector

Company profile: A business environment, which supports the economic development and entrepreneurship of the Malopolska region. It builds coalitions and cooperation platforms.

Key words: business support, development strategies

MEDONET / Grupa Onet SA (<http://www.medonet.pl>)

Type of activity: Online portal

Company profile: Health and medicine portal. Articles based on the EBM (Evidence Base Medicine), i.e. on medical research. The platform also publishes its own video productions.

Key words: medical portal

MEDYCYNĄ PRAKTYCZNĄ SP. Z O.O. (<http://www.mp.pl/>)

Type of activity: Online portal

Company profile: Medycyna Praktyczna publishes professional medical literature: magazines, books and health portals, delivered in the traditional and digital versions. The publishing house is involved in the organization of training dedicated to the health service and in humanitarian activities.

Key words: medical publishing house, medical publication, medical portal

LIFE SCIENCE BIZNES CONSULTING (LSBC) Sp. z o. o. (<http://www.lsbc.pl/>)

Type of activity: Advisory and marketing

Company profile: The company provides advisory services to academic institutions on issues relating to technology transfer processes, company development strategies and strategies for the development of medicines, medical devices, cosmetics and other Life Sciences products.

Key words: advisory, drug development strategy, support for R&D research

MAŁOPOLSKA AGENCJA ROZWOJU REGIONALNEGO (MARR S.A.) (www.marr.pl/)

Type of activity: Advisory and investment support

Company profile: This is a regional public institution, which serves the better regional development; it cooperates with its central equivalents and other regional authorities to shape the regional innovative development policy. It provides services in obtaining EU funds and helps to invest effectively in the Malopolska region.

Key words: investments, EU subsidies, financial aid

MEDVICE (<http://www.medvice.com.pl/>)

Type of activity: Recruitment and training

Company profile: The company conducts training relating to the pharma and cosmetic industries, and on healthy lifestyle.

Key words: training sessions, pharma sector, cosmetic industry

MEDINVEST SCANNER (<http://medinvestscanner.com/>)

Type of activity: Advisory and marketing

Company profile: Due diligence company in the healthcare sector. It provides consulting services to clients wishing to assess the investment potential of a given project.

Key words: due diligence, market research

NOLABEL SP. Z O.O. (<http://nolabel.pl>)

Type of activity: Film production

Company profile: Nolabel is an animation and video postproduction studio in Poland. It creates animations for interactive and multimedia projects, and cooperates with other film studios as a co-producer at a global scale.

Key words: film studio, animation movies, animated films

PMR CONSULTING & RESEARCH SP. Z O.O. (<http://www.pmrconsulting.com>)

Type of activity: Advisory and marketing

Company profile: The company realizes consulting projects aimed at distribution optimization and analysis of the economic potential of selected countries; they provide evaluations of the refund system.

Key words: consulting, market research

PNO CONSULTANTS SP. Z O.O. (<http://pnoconsultants.com/>)

Type of activity: Advisory and marketing

Company profile: The company provides advisory services on grants and subsidies, it is also involved in fund raising.

Key words: advisory, fund raising

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PRINTED HEALTH (<http://printedhealth.com/>)

Type of activity: Infrastructure for the life science sector

Company profile: Inventor knowledge base and discussion space for engineers and physicians to use in the 3d printing technology medicine.

Key words: 3d printing

RADPOINT SP. Z O.O. (<http://www.radpoint.pl/>)

Type of activity: Advisory and marketing

Company profile: The company deals with the transcription of medical texts, recordings and research descriptions. It also provides a SaaS platform for radiology and imaging diagnostics; and it integrates medical standards and innovative distributed services.

Key words: imaging diagnostics, radiology, transcription of texts

SCHOLAGENE (<http://scholagene.com.pl/>)

Type of activity: Advisory and marketing

Company profile: 256/5000

The company conducts training, advisory and translation activities for the life science industry. It also distributes intermediate products to laboratories. It also conducts trainings and consulting services related to the acquisition of highly qualified staff.

Key words: advisory, know-how, trainings, recruitment, translation and interpreting

SMART MEDICINE INCUBATOR (<http://www.imi4you.eu/>)

Type of activity: Technology transfer

Company profile: The company develops coordinated medical therapy programs based on current algorithms and medical knowledge, and works to increase the public access to innovative treatments. It is linked to Imicare.

Key words: innovations in medicine, innovative treatment, coordinated therapy

SPIN MAŁOPOLSKIE CENTRA TRANSFERU WIEDZY (<http://www.spin.malopolska.pl/>)

Type of activity: Technology transfer

Company profile: The aim of the company's activity is to increase the intensity of knowledge transfer and to help companies exploit the potential of universities within the smart specializations in the Malopolska region; innovative business services by the business environment institutions operating at universities.

Key words: transfer of technology, smart specialization

TARGI W KRAKOWIE SP. Z O.O. (<https://www.targi.krakow.pl/>)

Type of activity: Organization of trade events

Company profile: The company organizes trade fairs and other business events.

Key words: organization of conferences, fairs, exhibitions, congresses

VIVALAVITA SP. Z O. O. (<http://vivalavita.pl>)

Type of activity: Online portal

Company profile: Dietary Portal and DIETpro - a specialized program for dieticians to facilitate work with the patient.

Key words: dietetics, artificial intelligence, medical portal

WIRTUALE.PL SPÓŁKA AKCYJNA (<http://wirtuale.pl/>)

Sector: IT services

Company profile: The company operates in the market of ICT services and marketing. It creates tools for e-business and implements innovative e-marketing solutions. It utilizes and connects the latest trends in social media with distributed services.

Key words: audit, e-marketing, e-services

3D FLY S.C. ALEKSANDRA GAWRON, KAROLINA FURYK-GRABOWSKA
(<http://3dfly.pl>)

Company profile: The company sells 3d printing equipment, CAD modeling, prototyping, 3D prosthesis printing, SLM laser sintering.

Key words: 3D printing, 3D prosthesis, 3D-Printable Prosthetics

NGOs

CLINICAL NEUROLOGY CENTER (<http://www.neurologia.org.pl/>)

Description: The Center is a medical institution of the Cracow Academy of Neurology, focused on highly specialized neurological procedures (research and advisory).

Key words: diagnostics, neurology, research

THE INSTITUTE OF HEALTH FOUNDATION (<https://www.fioz.info/>)

Description: The Foundation supports health care, counteracts social pathologies and conducts broad research and development activities in biomedical and social sciences.

Key words: foundation, support for families, social activity

KLASTER LIFE SCIENCE FOUNDATION (<http://lifescience.pl/>)

Description: The aim of the foundation is to make the best use of the potential of the Cluster Life Science initiative, to address the challenges facing the Bio-Region of Malopolska and the effective use of the opportunities in the field of life sciences and biotechnology.

Key words: Life sciences, biotechnology, regional development

FOUNDATION FOR THE DEVELOPMENT OF LABORATORY DIAGNOSTICS (<http://www.diaglab.pl/>)

Description: The foundation provides substantive and financial support to scientific research, it carries out publishing and awareness raising work, it organizes specialized courses and trainings. It helps people attend scientific events and promotes R&D achievements.

Key words: foundation, support for researchers, development of diagnostics

WATCH HEALTH CARE (WHC) FOUNDATION (www.korektorzdrowia.pl/o-whc/)

Description: The foundation provides reliable, evidence-based information on health-related data and medical procedures that are difficult to access.

Key words: foundation, health care services, medical procedures

PUBLIC HEALTH FOUNDATION (<http://www.fzp.com.pl/>)

Description: The foundation implements the public health development program in Poland and conducts consultancy and educational activities by organizing courses and trainings. It also organizes or sponsors a number of events and uses the funds raised during these events to purchase medical equipment for hospitals.

Key words: foundation, training sessions, charity work

FOUNDATION FOR THE DEVELOPMENT OF ORTHOPAEDICS AND TRAUMATOLOGY IN CRACOW

Description: The aim of the foundation is to implement new methods of treatment ensuring progress in orthopedics and traumatology.

Key words: orthopedics, traumatology, rehabilitation

MEDICAL ASSOCIATION IN CRACOW

(<http://krakowskietowarzystwomedyczne.pl/>)

Description: The association is active in supporting local communities in the fields of health care and protection, prevention of social pathologies and broadly understood social assistance.

Key words: social aid, healthcare

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POLISH SOCIETY FOR BIOMATERIALS (<http://www.biomat.krakow.pl/>)

Description: The association was founded at the instigation of a group of people involved in the production and research of materials for the medical sector. It realizes its goals through scientific and educational activity. It publishes the "Engineering of Biomaterials" quarterly and actively participates in numerous scientific events.

Key words: biomaterials, medicine, association

POLISH ASSOCIATION FOR THE STUDY OF PAIN (<http://ptbb.pl/>)

Description: The company organizes conventions, symposia and scientific events. It conducts pain treatment training for doctors, cooperates with other related associations, financially supports its members to participate in pain medicine conferences, and publishes the "Ból" quarterly and other newsletters.

Key words: research, prevention, association

POLISH SOCIETY OF HOSPITAL INFECTION (www.ptzs.org.pl/)

Description: The society brings together people whose professional activity is directly related to the practice of controlling hospital infections. It publishes the "Zakazenia" bimonthly.

Key words: hospital infections, association, hospital

POLISH SOCIETY FOR FIGHTING ALLERGIC DISEASES (www.ptzca.pl)

Description: The objectives of the society include: assistance in solving problems of patients with allergies, their access to medicines and specialized treatment; development of health education through publishing activities and events such as the Allergy Days ("Dni Alergii"); assistance in developing the allergy nurses professional union and their training; organization of medical and nursing symposia; supporting the development of interdisciplinary counseling and allergy treatment.

Key words: NGO, allergology, allergic disease

POLISH SOCIETY OF MECHANICAL ENGINEERS AND TECHNICIANS (SIMP)

(<http://www.krakow.simp.pl>)

Description: The society brings together engineers and technicians of all specializations and related professions. Its mission is to contribute to science, technology and the economy, the upgrading of professional qualifications of engineers and technicians, the promotion of employment, vocational re-orientation and job search assistance, and the creation of a forum for exchanging information on science, technology and economic and social issues.

Key words: association, engineers, technicians

EDUCATION

UNIVERSITY OF SCIENCE AND TECHNOLOGY IN CRACOW http://www.agh.edu.pl/			
Organizational Unit	Field of study	Degree	www
FACULTY OF ELECTRICAL ENGINEERING, AUTOMATICS, COMPUTER SCIENCE AND BIOMEDICAL ENGINEERING	Biomedical Engineering	1 st and 2 nd cycle degree	www
	Microelectronics in Industry and Medicine	1 st and 2 nd cycle degree	
	Automatic Control and Robotics	Doctoral studies	
FACULTY OF PHYSICS AND APPLIED COMPUTER SCIENCE	Medical Physics	1 st and 2 nd cycle degree	www
FACULTY OF MATERIALS SCIENCE AND CERAMICS	Biomaterials – Materials for the Medicine	Postgraduate studies	www

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CRACOW UNIVERSITY OF TECHNOLOGY http://www.pk.edu.pl			
Organizational Unit	Field of study	Degree	www
FACULTY OF CHEMICAL ENGINEERING AND TECHNOLOGY	Biotechnology	1 st and 2 nd cycle degree	www
FACULTY OF MECHANICAL ENGINEERING	Biomedical Engineering	1 st cycle degree	www

JAGIELLONIAN UNIVERSITY IN CRACOW http://www.uj.edu.pl/			
Organizational Unit	Field of study	Degree	www
FACULTY OF PHARMACY	Medical Analytics	One-cycle and postgraduate studies	<u>www</u>
	Pharmacy	One-cycle studies	
	Doctoral studies	Doctoral studies	
	Cosmetology	2 nd cycle degree	
	Clinical Research of Medicinal Products	Postgraduate studies	
	Oenology	Postgraduate studies	
	Industrial Pharmacy	Postgraduate studies	
FACULTY OF MEDICINE	International PhD Studies in Medical Sciences	Doctoral studies	<u>www</u>
	Doctoral studies	Doctoral studies	
	Medicine	One-cycle studies	
	Medicine and Dentistry	One-cycle studies	
	Nutrition	1 st and 2 nd cycle degree	
	Clinical Research	Postgraduate studies	
	Biostatistics	Postgraduate studies	
	Geriatrics and Long-Term Care	Postgraduate studies	
	Infection Control in Governmental Healthcare Institutions	Postgraduate studies	
	Pain Medicine	Postgraduate studies	
	Extreme Medicine	Postgraduate studies	

FACULTY OF MEDICINE	Speech Therapy with Phonoaudiology	Postgraduate studies	<u>www</u>
	Psychology (Basics)	Postgraduate studies	
	Basics of Therapy Intervention in Developmental Age	Postgraduate studies	
	Geriatric Psychiatry	Postgraduate studies	
	Psycho-oncology	Postgraduate studies	
	Specific Problems of Psychotherapy	Postgraduate studies	
	Clinical Nutrition and Metabolic Care	Postgraduate studies	
	Nutrition in Health and Disease	Postgraduate studies	
UNIWERSYTECKIE CENTRUM MEDYCYN WETERYNARYJNEJ UJ-UR²	Veterinary Medicine	One-cycle studies	<u>www</u>
FACULTY OF HEALTH SCIENCES	Doctoral studies	Doctoral studies	<u>www</u>
	Electroradiology	1 st cycle degree	
	Sanitary Inspection	1 st cycle degree	
	Physical Therapy	1 st and 2 nd cycle degree	
	Nursing	1 st and 2 nd cycle degree	
	Obstetrics	1 st and 2 nd cycle degree	
FACULTY OF HEALTH SCIENCES	Emergency Medicine	1 st cycle degree	<u>www</u>
	Public Health	1 st and 2 nd cycle degree	
	Management in Nursing and Obstetrics	Postgraduate studies	

² The Institute of Veterinary Medicine UJ-UR.

	Management in Public Healthcare	Postgraduate studies	
INSTITUTE OF ZOOLOGY	Neurobiology	1 st and 2 nd cycle degree	<u>www</u>
FACULTY OF BIOCHEMISTRY, BIOPHYSICS AND BIOTECHNOLOGY	Biochemistry, Biophysics and Biology	Doctoral studies	<u>www</u>
	Biochemistry	1 st and 2 nd cycle degree	
	Biophysics	1 st and 2 nd cycle degree; one-cycle studies	
	Biotechnology	1 st and 2 nd cycle degree	
	Molecular Biotechnology	2 nd cycle degree, Postgraduate studies	
	Bioinformatics with Applied Biophysics	2 nd cycle degree	
	Business in Biotechnology	Postgraduate studies	
FACULTY OF CHEMISTRY	Doctoral studies	Doctoral studies	<u>www</u>
	Biochemistry	1 st cycle degree	
	Chemistry	1 st and 2 nd cycle degree	
	Medicinal Chemistry	1 st cycle degree	
FACULTY OF PHYSICS, ASTRONOMY AND APPLIED COMPUTER SCIENCE	Doctoral studies: Biophysics	Doctoral studies	<u>www</u>
	Molecular Biophysics (as part of MSMP)	1 st and 2 nd cycle degree	
	Molecular Biophysics	1 st and 2 nd cycle degree	
	Advanced Materials and Nanotechnology	1 st and 2 nd cycle degree	
	Medical Physics (part of MSMP)	2 nd cycle degree	

	Medical Physics	2 nd cycle degree	
FACULTY OF BIOLOGY AND EARTH SCIENCES	Doctoral studies	Doctoral studies	<u>www</u>
	Biology	1 st and 2 nd cycle degree	
	Biology and Geography	1 st and 2 nd cycle degree	
	Forensic Biology	Postgraduate studies	

PEDAGOGICAL UNIVERSITY OF CRACOW http://www.up.krakow.pl/			
Organizational Unit	Field of study	Degree	www
FACULTY OF GEOGRAPHY AND BIOLOGY	Bioinformatics	1 st cycle degree	<u>www</u>
	Biology	1 st and 2 nd cycle degree	
	Biological Rejuvenation	2 nd cycle degree	

UNIVERSITY OF PHYSICAL EDUCATION IN KRAKOW http://www.awf.krakow.pl/			
Organizational Unit	Field of study	Degree	www
FACULTY OF MOTOR REHABILITATION	Physiotherapy	1 st and 2 nd cycle degree	<u>www</u>

ANDRZEJ FRYCZ MODRZEWSKI KRAKOW UNIVERSITY http://www.ka.edu.pl/			
Organizational Unit	Field of study	Degree	www
FACULTY OF MEDICINE AND HEALTH SCIENCES	Medicine	One-cycle studies	<u>www</u>
	Dietetics	1 st cycle degree	
	Physiotherapy	1 st and 2 nd cycle degree; and one-cycle studies	
	Cosmetology	1 st cycle degree	
	Emergency Medicine	1 st cycle degree	
	Midwifery	1 st and 2 nd cycle degree	
	Cosmetology for Doctors	Postgraduate studies	

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THE MALOPOLSKA HIGHER VOCATIONAL SCHOOL OF J. DIETL IN KRAKOW http://dietl.edu.pl	
Field of study	Degree
Cosmetology	1 st and 2 nd cycle degree
Dietetics	1 st cycle degree
Clinical Dietetics with Neurobiology	Postgraduate studies
Modern Cosmetology in Aesthetic Medicine	Postgraduate studies
Health Education with Preventive Nutrition	Postgraduate studies

CRACOW SCHOOL OF HEALTH PROMOTION https://www.kwspz.pl/
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Field of study	Degree
Cosmetology	1 st and 2 nd cycle degree
Dietetics	1 st cycle degree
Physiotherapy	1 st cycle degree
Cosmetology for Interns	1 st cycle degree
Dietetics and Ecological Foods	2 nd cycle degree
Dietary Diagnostics and Nutrition Systems	Postgraduate studies
Diagnostics and Manual Therapy	Postgraduate studies
Dietetics	Postgraduate studies
Dietetics in Sports and Recreation	Postgraduate studies
Complementary Methods in Health Promotion	Postgraduate studies
Cosmetology - Aesthetic Medicine Physician	Postgraduate studies
Podiatry	Postgraduate studies
Sports Rehabilitation	Postgraduate studies
Personal Trainer	Postgraduate studies

KEY PROJECTS

Compared to other Polish regions, research institutions in the Malopolska region show high R&D activity. According to data from the first quarter of 2015, the Malopolska region ranked second in the country in terms of the number of teams coordinating projects implemented as part of the Seventh Framework Programme (2007-2013). Within this period there were 25 such teams in the Malopolska region, while the highest ranked region – the Mazowieckie Voivodship – counted with 93 such teams. Similarly, the Malopolska region ranked second in the number of projects implemented as part of the said programme having completed 246 such projects, with the Mazowieckie Voivodship having registered nearly four times as many projects in the same timeframe, in this programme³.

Project title:	Creation of the Biotechnological Products R&D Center at IBSS BIOMED
Consortium:	IBSS BIOMED S.A., Uniwersytet Jagielloński Collegium Medicum
Project description:	The main goal was to create a new, fully-integrated unit operating within the Biotechnological Products R&D Center (hereinafter CBR), which conducts biotechnology-related R&D research, in order to perfect existing and develop new products.
Total budget:	PLN 9,896,899.80
Subsidized:	PLN 4,023,130
Source of financing:	Operational Programme Innovative Economy, 2007-2013.
Project duration:	2012-2015
Website:	https://www.biomed.pl/Firma/Projekty_UE/CBR_PO_IG

³ Strategia innowacji Małopolski

Project title:	Domain-oriented services and resources of Polish Infrastructure for Supporting Computational Science in the European Research Space – PLGrid Plus
Consortium:	Akademickie Centrum Komputerowe Cyfronet AGH, Interdyscyplinarne Centrum Modelowania Matematycznego i Komputerowego w Warszawie, Instytut Chemii Bioorganicznej PAN - Poznańskie Centrum Superkomputerowo Sieciowe w Poznaniu, Centrum Informatyczne Trójmiejskiej Akademickiej Sieci Komputerowej w Gdańsku, Wrocławskie Centrum Sieciowo-Superkomputerowe we Wrocławiu
Project description:	PLGrid Plus project serves Polish scientific communities enabling extensive cooperation among them, as well as international cooperation in the scope of research activities in the area of e-Science.
Total budget:	PLN 81,436,209
Subsidized:	PLN 67,990,621.10
Source of financing:	Operational Programme Innovative Economy
Project duration:	2011-2015
Website:	http://www.plgrid.pl

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Project title:	New Premises for the Krakow-Prokocim University Hospital
Project description:	Scope: capacity: 925 beds, size: 391,709 sq. m., m ³ , usable area: 109,685 sq. m. The hospital complex will include the following units: Outpatient Clinics Unit (Non-Surgical and Surgical), Operational Unit, Intensive Care Unit, Emergency Care Unit, One-day Hospitalization Unit, Teaching Facilities.
Total budget:	PLN 1,230,060,000
Subsidized:	PLN 800,000,000 + PLN 251,034,000 = PLN 1,230,060,000
Source of financing:	Long-term Programme of the Council of Ministers "New Premises for the Krakow-Prokocim University Hospital" (PW RM) and the Małopolskie Regional Operational Programme 2014-2020 (RPO WM) – project "Equipping the new premises of the Krakow-Prokocim University Hospital".
Project duration:	2006-2019
Website:	http://www.nssu.cm-uj.krakow.pl/

Project title:	Reconstruction of the Uniwersytecki Szpital Dziecięcy in Cracow
Project description:	Improvement of quality standards for health services and modernization of infrastructure through the reconstruction and expansion of the hospital.
Total budget:	PLN 201,361,000
Subsidized:	PLN 201,361,000
Source of financing:	Long-term Programme of the Council of Ministers for years 2011-2016 "Reconstruction of the Uniwersytecki Szpital Dziecięcy in Cracow".
Project duration:	2011-2016
Website:	N/A

Project title:	Teaching, Innovation, Development. Bettering the quality of education through developing innovative education
Project description:	The goal is to create the Innovative Medical Education Center (CIEM) UJ CM and the development of innovative medical simulation teaching methods. The project envisions creating the teaching infrastructure for the students of Medicine, Dental Medicine and Nursing and Midwifery programmes, which will include, among others, modern simulation rooms where students will be acquiring practical skills essential in their future professional activity.
Total budget:	PLN 48,380,976.3
Subsidized:	PLN 21,380,976.13
Source of financing:	Operational Programme Knowledge Education Development 2014-2020
Project duration:	2016-2018
Website:	N/A

Project title:	Modernization of the Ludwik Rydygier Memorial Specialized Hospital in Cracow's Emergency Department, including the construction of a helideck and the acquisition of medical equipment
Project description:	The goal of the project was to improve the medical security of the people residing within the Cracow area, to broaden the use of modern, highly-specialized medical procedures compliant with the EU and global medical emergency standards, as well as the integration with the national medical emergency system infrastructure.
Total budget:	PLN 9,637,894.2
Subsidized:	PLN 9,637,894.2
Source of financing:	Infrastructure and Environment Operational Programme
Project duration:	2007-2017
Website:	N/A

Project title:	Modernization and reconstruction of the SPZOZ public hospital in Brzesk's Anesthesia and Intensive Care Unit, and the acquisition of modern medical equipment
Project description:	The project encompasses the reconstruction and modernization of the Anesthesia and Intensive Care Unit, and the acquisition of modern medical equipment.
Total budget:	PLN 4,001,526.15
Subsidized:	PLN 2,341,260.09
Source of financing:	Małopolskie Regional Operational Programme
Project duration:	2007-2012
Website:	N/A

Project title:	The modernization of the Emergency Unit's premises and of the Helideck, as well as the acquisition of new equipment for the Stefan Zeromski Hospital in Cracow
Project description:	The project included the reconstruction of the hospital's infrastructure, the creation of new separate ambulance access paths and new pedestrian passageways, as well as the adaptation of the premises for people with reduced mobility. Highly-specialized medical equipment was also acquired.
Total budget:	PLN 7,558,649.09
Subsidized:	PLN 6,157,445.12
Source of financing:	Infrastructure and Environment Operational Programme
Project duration:	2007-2011
Website:	N/A

Project title:	Full adaptation of the Gynecology, Obstetrics and Neonatology Units of the Bochnia County Hospital to comply with the regulatory requirements and the patients' special needs
Project description:	The goal of the project was to adapt the Gynecology, Obstetrics and Neonatology Units of the Bochnia County Hospital to comply with both regulatory and sanitary requirements.
Total budget:	PLN 16,628,965.13
Subsidized:	PLN 7,770,715.40
Source of financing:	Małopolskie Regional Operational Programme
Project duration:	2009-2010
Website:	N/A

Project title:	Construction of an operating theater with three operating rooms and the necessary infrastructure at the Limanowa County Hospital
Project description:	Next to the existing, five-story A building of the country hospital, a new, 2-story building with a basement was erected. Both buildings were linked by a ground floor passage. On top of this, a new external platform lift was added, attached to building A, which was connected to all currently operational hospital departments and with access to a separate passageway leading to the operating theater. The new operating theater is comprised of three operating rooms, a recovery room and the necessary infrastructure. Also, a biomass-fueled boiler was built and solar connectors were installed as renewable sources of energy.
Total budget:	PLN 16,069,108
Subsidized:	PLN 9,186,758.81
Source of financing:	Małopolskie Regional Operational Programme
Project duration:	2009-2010
Website:	N/A

Project title:	Reconstruction of the main hall at the Oświęcim County Hospital to better address the requirements of the Operating Theater and the Central Sterilization Room
Project description:	The main goal of this project was to adapt the currently unused premises on the ground floor and within the main hall of the hospital to better address the requirements of the Operating Theater and the Central Sterilization Room (the latter being located beneath the Operating Theater). As a result, an area of 995.4 square meters will be modernized. On top of this, the hospital will acquire new modern medical equipment (number of newly-acquired items of medical equipment – 150), as well as other equipment required for the proper functioning of the hospital.
Total budget:	PLN 13,574,416
Subsidized:	PLN 8,143,186
Source of financing:	Małopolskie Regional Operational Programme
Project duration:	2009-2010
Website:	N/A

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Project title:	The Emergency and Mass-Event Medicine Trauma Center at the University Hospital in Cracow – Phase I
Project description:	The project encompasses preparing the necessary technical infrastructure for creating a Trauma Center type of facility within the University Hospital in Cracow.
Total budget:	PLN 77,520,000
Subsidized:	PLN 62,300,000
Source of financing:	Małopolskie Regional Operational Programme
Project duration:	2011-2013
Website:	http://www.su.krakow.pl/cumrik

Project title:	Equipping and Launching of the Trauma Center at the University Hospital in Cracow – Phase II
Project description:	The project envisions providing the Trauma Center with the necessary medical equipment.
Total budget:	PLN 11,388,001.46
Subsidized:	PLN 11,243,000
Source of financing:	Infrastructure and Environment Operational Programme
Project duration:	2007-2013
Website:	http://www.su.krakow.pl/cumrik

Project title:	Creation of the Jagiellonian Park and Technology Incubator, Life Science Park – Phase I
Project description:	The result of this project was laying the institutional basis for the functioning of the Life Park along with the Technology Incubator, as well as the erection and the adaptation of the premises where the Park and the Incubator are currently operating.
Total budget:	PLN 57,845,100
Subsidized:	PLN 44,966,700
Source of financing:	Sectoral Operational Programme "Increase of Economic Competitiveness"
Project duration:	2005-2008
Website:	N/A

Project title:	Expansion of the Jagiellonian Park and Technology Incubator Life Science – Phase II
Project description:	The goal here was to equip the Life Science Park with specialized R&D appliances and high-class laboratory articles, which enable the entities operating within the Park to conduct advanced R&D research without having to bear considerable investment costs.
Total budget:	171 94 000 zł
Subsidized:	101 34 000 zł
Source of financing:	Operational Programme Innovative Economy
Project duration:	2009-2015
Website:	N/A

Project title:	Malopolska Centre of Biotechnology
Project description:	Goal: The creation, by the Cracow University of Technology and the Jagiellonian University, of a joint, centralized science and research center, enabling conducting comprehensive research, thus enhancing the competitiveness of the Polish biotech potential, as well as strengthening the cooperation between the R&D and the business segments.
Total budget:	91 86 000 zł
Subsidized:	76 36 000 zł
Source of financing:	Operational Programme Innovative Economy
Project duration:	2007-2014
Website:	http://www.mcb.uj.edu.pl/

Project title:	Development of the Krakow Research and Medical Technology Center
Project description:	The goal was to create the infrastructure enabling provision of complex healthcare services and conducting scientific research with the use of modern technologies.
Total budget:	PLN 74,255,557.77
Subsidized:	PLN 60,941,531.82
Source of financing:	Małopolskie Regional Operational Programme
Project duration:	2007-2014
Website:	http://www.szpitaljp2.krakow.pl/Rozwoj-Krakowskiego-Centrum-Badan-i-Technologii-Medycznych.549.0.html

Project title:	Integrated Specialized Emergency Medicine Center
Project description:	The goal was to create within the Cracow Metropolitan Area a fully professional specialized emergency medicine center with regional reach. The project comprised: a) the construction of the fully equipped E building, including: a central admissions desk with diagnostics and logistics facilities, departments with bed capacities, a hospital pharmacy, an outpatient clinic, a reception desk, two operating rooms and a helideck; and b) the C building, which provides the necessary technical support for the Center's proper functioning.
Total budget:	PLN 64,696,436.5
Subsidized:	PLN 54,991,971.02
Source of financing:	Małopolskie Regional Operational Programme
Project duration:	2007-2014
Website:	http://www.szpitaljp2.krakow.pl/Zintegrowane-Centrum-Specjalistycznej-Medycyny-Ratunkowej.622.0.html

Project title:	Health-centered molecular biotechnology
Project description:	This project involves the modernization of the Faculty of Biochemistry, Biophysics and Biotechnology at the Jagiellonian University in Cracow. As part of this project, seven research stations were created to complement the existing research facilities. Laboratories were built where research is conducted in, among others, proteomics, cell biophysics, immunology, virology and tissue culture. Also, as part of the project a modern, fully-equipped animal lab was created, which enables both the breeding of and research into many types of lab animals.
Total budget:	PLN 28,830,757
Subsidized:	PLN 28,197,842.44
Source of financing:	Operational Programme Innovative Economy
Project duration:	2009-2012
Website:	http://bmz.wbbib.uj.edu.pl/

Project title:	Implementation of innovative production and services facilities operating within the medical services sector
Project description:	The project was implemented within the 5th Militarz Hospital and the Poliklinika in Cracow, and involved the creation of an imaging diagnostics center equipped with a PET-TK scanner and an RMI scanner, as well as the creation of a production facility, which uses cyclotron to produce radio-pharmaceuticals, and the Radiochemical Lab.
Total budget:	PLN 56,234,154.12
Subsidized:	PLN 26,617,709.4
Source of financing:	Operational Programme Innovative Economy
Project duration:	2009-2014
Website:	http://voxel.pl/opis-projektu

Project title:	Spectroscopic imaging lab for radiobiology, therapy and complex system research purposes
Project description:	A lab was created, which is a modern research facility, which enables to conduct research into the impact of ionizing radiation on living organisms, and which provides the scientific support for the Bronowice Cyclotron Center. Ongoing research is being conducted with the use of physical sciences to develop ways to combat cancer and other pathologies by submitting cell and tissue structures to spectroscopic imaging, as well as research at molecular level.
Total budget:	PLN 11,803,000
Subsidized:	PLN 10,032,550
Source of financing:	Małopolskie Regional Operational Programme
Project duration:	2007-2013
Website:	https://los.ifj.edu.pl/

Project title:	Expansion and diversification of the production line, as well as an overall modification of the production process at the cosmetics lab Laboratorium Kosmetyków Naturalnych Farmona Spółka z o. o. by introducing innovative products on the market and by constructing a modern new generation cosmetics production facility
Project description:	The aim of the project was to expand and modernize the existing Production Facility in Wysoka near Rabka. The enterprise acquired a modern machinery park, while the R&D research labs operating under R&D, Microbiology and Quality Control departments were equipped with state-of-the-art equipment. Thanks to this, the production facility was able to start using new plant ingredients to produce cosmetics.
Total budget:	PLN 17,080,000
Subsidized:	PLN 7,027,363.1
Source of financing:	Operational Programme Innovative Economy
Project duration:	2008-2012
Website:	N/A

KEY SECTOR EVENTS

EVENT NAME	ORGANIZER	DATE
EUROBIOTECH	Targi w Krakowie ul. Galicyjska 9 31-586 Kraków http://www.eurobiotech.krakow.pl	September
KRAKIDENT	Targi w Krakowie ul. Galicyjska 9 31-586 Kraków http://krakdent.pl/	March
TARGI SENIORA	Targi w Krakowie ul. Galicyjska 9 31-586 Kraków http://targiseniora.krakow.pl/	October
LIFESCIENCE OPEN SPACE	Klaster Life Science Kraków Foundation ul. Bobrzyńskiego 14, 30-348 Kraków http://www.lifescience.pl	October
CENTRAL EUROPEAN LIFE SCIENCE INVESTMENT CONFERENCE	Life Science Business Consulting Sp z. o.o. ul. Bobrzyńskiego 14, 30-348 Kraków http://www.lsbc.pl/	October
MAŁOPOLSKI FESTIWAL INNOWACJI	Urząd Marszałkowski Województwa Małopolskiego ul. Ractawicka 56, 30-017 Kraków http://www.festiwalinnowacji.malopolska.pl	May
TYDZIEŃ MÓZGU	Polskie Towarzystwo Przyrodników im. Kopernika ul. Podwale 1/2 31-118 Kraków http://www.ptpk.org/tydzien_mozgu.html	March
CYKL KONFERENCJI MEDYCZNYCH DLA LEKARZY	Medycyna Praktyczna Sp. z o.o. Cholerzyn 445 32-060 Liszki http://szkolenia.mp.pl	Year-long

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Ul. prof. Michała Bobrzyńskiego 14

30-348 Kraków

NIP: 6762464304

REGON: 122838510

KRS: 0000458418

COMPILED BY:

Infobrokerska.pl

Ul. Wadowicka 12/438

30-415 Kraków

www.infobrokerska.pl

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