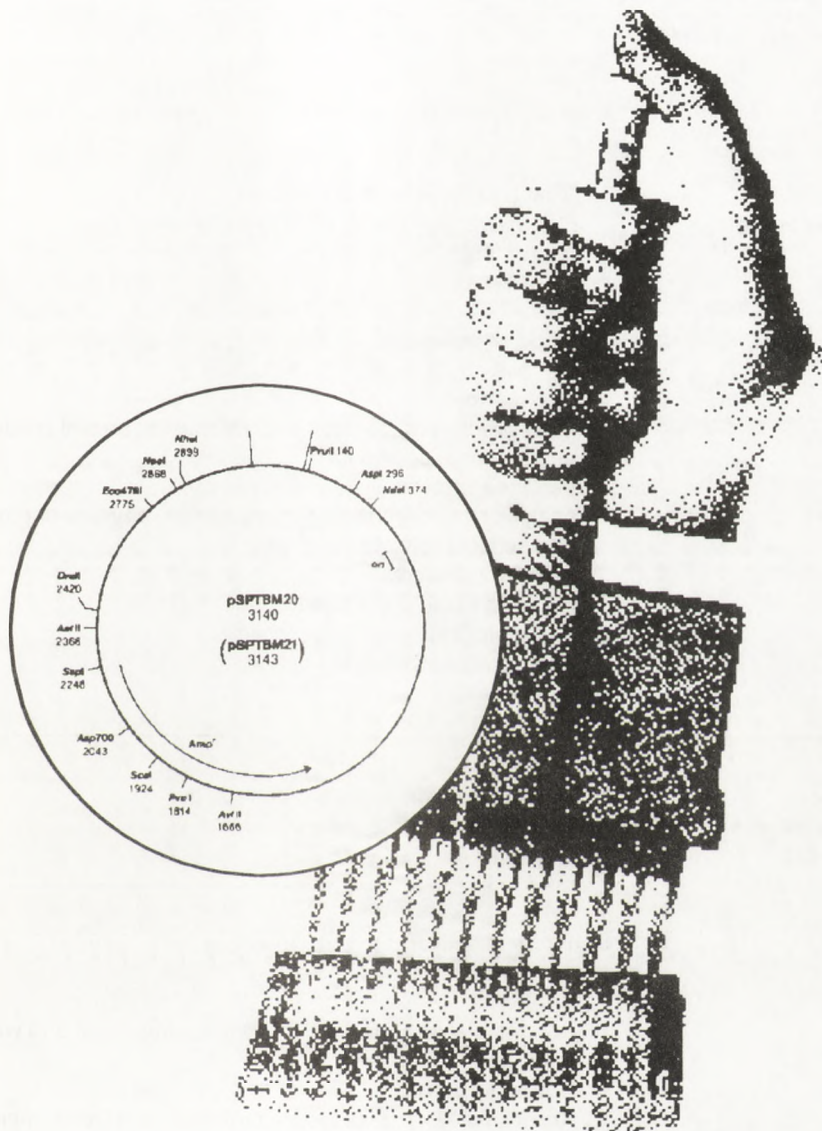


Biotechnological Laboratories





**Department
of Meat Science**

Meat and Fat Research Institute
Plac Weyssenhoffa 11, 85-072 Bydgoszcz
phone (852) 22-55-44
fax (852) 45-47

fields of research:

carcass and meat quality evaluation

application:

meat processing plants, slaughterhouses, animal production,
husbandry experiments

services offered:

analysis of basal chemical composition, physico-chemical
and sensoric properties of meat

contact persons:

Tadeusz Kotik, Department Head;
Salomea Grajewska, researcher;
Zofia Doroszewska, researcher

**Department
of Environmental
Engineering**

Chair of Environmental Biotechnology
ul. Kuczewskiego 2, 44-100 Gliwice
phone (0-32) 37-29-46
fax 31-80-85

fields of research:

environmental biotechnology

application:

commercial and industrial wastewater treatment and waste
utilization

contact person:

Korneliusz Miksch, associate professor and Department Head

Biochemical Laboratory

Institute for Potato Research
76-009 Bonin near Koszalin
phone (894) 23-031
fax (894) 21-028

fields of research:

plant resistance to microorganism, storage proteins, biochemistry and physiology of the pests resistance to pests

application:

plant breeding (mainly potato)

services offered:

virus detection, *in vitro* cultures, chemotaxonomic identification of cultivars, micropropagation

journals:

„Biuletyn Instytutu”, („Institute Bulletin”), „Ziemniak” („Potato”) (both in Polish)

contact persons:

Jerzy Lewosz, associate professor and Laboratory Head;
K. Zaklukiewicz

**Department
of Physiological
Chemistry**

Institute of Medical Biochemistry
Academy of Medicine
ul. Kopernika 7, 31-034 Kraków
phone (0-12) 22-32-72

fields of research:

biochemistry and enzymology of dephosphorylating agents for phosphoproteins, mono- and oligonucleotides

application:

clinical diagnosis

contact person:

Włodzimierz S. Ostrowski, professor, member of the Polish Academy of Sciences

**Institute
of Animal Breeding**

University of Agriculture
Aleja Mickiewicza 24/28, 30-059 Kraków
phone (0-12) 33-18-98
fax 233-23-55

fields of research:

animal breeding and management, population genetics and immunogenetics, technology of animal production

application:

breeding and management of: cattle, horses, pogs, sheep, poultry; milk and meet evaluation; animal production

journal:

„Bulletin of Agriculture University”

contact person:

Jan Szarek, professor and Institute Director

**Institute of Inventiveness
and Protection
of Intellectual Property**

Jagiellonian University
ul. Marszałka J. Piłsudskiego 13, 31-110 Kraków
phone (0-12) 22-04-82, 22-611-55
fax (0-12) 22-63-06

fields of research:

intellectual property rights: patents and trade marks

contact persons:

Janusz Fiolka, Ph.D., Michał du Vall, Ph.D.

**Department
of Animal Reproduction**

Institute of Zootechnics
32-083 Kraków, Balice 1
phone (0-12) 11-32-11 ext. 457
11-31-11 ext. 308

fields of research:

experimental embryology, reproduction of farm animals

application:

farm animals breeding

journal:

"Annals of Zootechnics"

contact persons:

Jędrzej Krupiński, professor and Institute Director;
Stefan Wierzbowski, professor and Department Head;
Zdzisław Smora, professor

**Department
of Food Technology
and Storage**

Agricultural University
ul. Akademicka 13, 20-950 Lublin
phone (0-81) 37-67-73
fax (81) 335-49

fields of research:

ethanol fermentation, food technology

application:

microbiology

contact person:

Stanisław Bujak, professor

**Department
of Food Technology**

Agricultural University
ul. Akademicka 13, 20-950 Lublin
phone (0-81) 37-68-56
fax (81) 81-335-49

fields of research:

biosynthesis and application of enzymes

contact person:

Zdzisław Targoński, professor and Department Head

**Department
of Agriculture**

Institute of Genetics and Plant Breeding
University of Agriculture
ul. Akademicka 15, 20-934 Lublin
phone (0-81) 37-66-75
fax (81) 335-49

fields of research:

cytogenetics of triticale and wheat

application:

crops breeding

services offered:

plant collection of *Triticale* and *Triticum Durum*

contact persons:

Czesław Tarkowski, professor and Institute Director;
M. Miazga, Ph.D.

**Department
of Molecular Biology**

Institute of Microbiology
M. Curie-Skłodowska University
ul. Akademicka 19, 20-033 Lublin
phone (0-81) 37-50-48, 37-50-17, 37-50-36
fax (81) 37-51-02

fields of research:

enzymology, protein phosphorylation and protein kinases,
translation in yeast system

service offered:

consulting on regulation of cellular processes by
phosphoregulation

contact persons:

Eugeniusz Gašior, professor, Department Head, University
Rector and member of the Polish Academy of Sciences;
Nikodem Grankowski, professor;
Teresa Jakubowicz, associate professor

**Department
of Applied Microbiology**

Institute of Microbiology
M. Curie-Skłodowska University
ul. Akademicka 19, 20-033 Lublin
phone (0-81) 37-59-06
fax (81) 37-51-02

fields of research:

enzyme biosynthesis, citric acid fermentation,
fungal pectinases, glucomylase, glucose oxidase

application:

industrial microbiology

contact persons:

Zdzisław Ilczuk, professor and Department Head, editor of
"Advances in Microbiology" (in Polish);
Jan Fiedurek, Ph.D.

**Department
of Biochemistry**

M. Curie-Skłodowska University
Plac M. Curie-Skłodowskiej 3, 20-031 Lublin
phone (0-81) 37-56-65, 37-57-37, 37-57-22,
37-56-68, 37-56-66
fax (81) 37-51-02

fields of research:

biotransformation, plant polymers, ligninocellulose, metabolism
of phenols, fungal enzymes, wood rotting fungi, edible fungi

application:

production of edible fungal biomass for feeding and nutrition,
immobilization of enzymes, affinity chromatography, phar-
maceutical industry (penicillin acylase)

contact persons:

Andrzej Leonowicz, professor and Department Head;
M. Wojtaś-Wasilewska, professor;
Jerzy Łobarzewski, professor, member of the Polish Academy
of Sciences

**Department
of General Microbiology**

M. Curie-Skłodowska University
ul. Akademicka 19, 20-033 Lublin
phone (0-81) 37-50-73
fax (81) 37-51-02

fields of research:

biological nitrogen fixation,
rhizobium genetics and immunochemistry

application:

plant inoculants, agliculture

services offered:

culture collection of *Rhizobium*

contact persons:

Zbigniew Lorkewicz profesor and Department Head;
Ryszard Russa, Ph. D.

**Department
of Crystallography**

University of Łódź
ul. Pomorska 149/153, 90-236 Łódź
phone (42) 33-23-65

fields of research:

crystallography

application:

pharmacology, bio-tech industry

services offered:

structure determination by X-ray analysis (proteins, peptides
and organic compounds)

contact person:

Andrzej Brzozowski, Ph.D., researcher

**Department
of Industrial
Microbiology**

Centre of Microbiology and Virology
Polish Academy of Sciences
ul. Piotrkowska 173, 90-447 Łódź
phone (42) 37-09-09, 37-09-07

fields of research:

mechanisms of microbial enzymes control, Polish Centre
of Culture Collection

application:

manufacturing of medical steroids

contact persons:

Leon Sedlaczek, professor and Institute Director;
A. Jaworski, professor;
J. Długoński, Ph.D.

**Department
of Cellulose Fibres**

Institute of Chemical Fibres
ul. M. Skłodowskiej-Curie 19, 90-570 Łódź
phone (42) 37-67-44, 37-65-10
fax (42) 37-62-14

fields of research:

biosynthesis of polymers, biotechnological processing
of polymers

application:

chemical fibres and polymers

journal:

"Chemical Fibres"

contact person:

Henryk Struszczyk, professor

**Department
of Bioprocess Engineering
and Thermal Processes**

Institute of Chemical and Process Engineering
Technical University of Łódź
ul. Wólczańska 175, 90-924 Łódź
phone (42) 36-55-22
fax (42) 36-85-22

fields of research:

thermodynamics of drying, heat and mass transfer

application:

design of dryers and drying processes, food preservation

services offered:

evaluation of drying kinetics, drying theory, application
and design

journal:

"Bulletin of Łódź Technical University", Chemical Engineering
Series

contact persons:

Czesław Strumiłło, professor and Department Head;
Stanisław Michałowski, professor; Ewa Mitura, Ph.D.

**Institute
of Fermentation
Technology
and Microbiology**

Technical University of Łódź
ul. Wólczajska 175, 90-530 Łódź
phone (42) 36-36-39, 36-55-22 ext. 709
fax (42) 88-42-20, 88-47-16

fields of research:

yeast and lactic bacteria: physiology, storage, preservation and stabilization

application:

industrial microbiology, food microbiology

contact persons:

Helena Oberman, professor and Department Head;
Zdzisława Libudzisz, Ph.D.

**Institute
of Technical Biochemistry**

Technical University of Łódź
ul. Stefanowskiego 4/10, 90-924 Łódź
phone (42) 36-66-18

fields of research:

purification, characterization and application of enzymes, biosynthesis of microbial enzymes, monitoring and computer control of microbial and enzymatic processes, downstream processing, improvement of microbial strains, biopolymers, immobilized biocatalysts, biocatalysis in organic solvents

application:

laundry, medicine, industrial food enzymology, current applications and new technology, food, pharmaceutical, chemical industry

services offered:

production, purification and application of enzymes, immobilized biocatalysis

contact persons:

Edward Galas, professor, Institute Director and Department Head;
Marianna Turkiewicz, associate professor

**Laboratory
of Drug Biosynthesis**

Institute of Technology and Chemistry of Drugs
Medical University of Łódź
ul. Muszyńskiego 1, 90-151 Łódź
phone (42) 78-48-33 ext. 218

fields of research:

biosynthesis of drugs, proteins and pigments

application:

microbial and plant cell biotechnology

contact person:

Aleksander Chmiel, associate professor and Laboratory Head

**Department
of Bioorganic Chemistry**

Centre of Molecular and Macromolecular Studies
Polish Academy of Sciences
ul. Sienkiewicza 112, 90-363 Łódź
phone (42) 81-97-44
fax (42) 84-71-26

fields of research:

bioorganic chemistry, molecular biology, stereospecific synthesis of P-chiral biophosphates, bioorganic chemistry, synthesis, DNA/RNA modification, structure of protein

application:

control of cellular proliferation pharmaceuticals, modulators of gene expression, gene therapy, production of h rec α TNF

services offered:

DNA synthesis, protein sequencing

contact persons:

Wojciech Jacek Stec, professor and Department Head,
President of the Biotechnology Committee of the Polish
Academy of Sciences;
Andrzej Okruszek, Ph.D.,
Bogdan Uznański, Ph.D.,
Marek Kwinkowski, Ph.D.,
Wojciech Niewiarowski, Ph.D.

**Department
of Sugar Technology**

Institute of Chemical Technology of Food
Technical University of Łódź
ul. Stefanowskiego 4/10, 90-924 Łódź
phone (42) 36-55-22
fax (42) 36-85-22
tlx 88-42-20 btz pl

fields of research:

direct heat transfer, effect of thermal treatment on foodstuff properties and microorganism destruction, energy savings

application:

continuous thermal sterilization and choice of conditions for thermal processing of food, heat management of sugar plants

services offered:

modernization of existing and development of new technologies

contact persons:

Jan Iciek, professor and Department Head;
Czesław Strumillo, professor

**Department
of Food Biotechnology**

Institute of Food Biotechnology
University of Agriculture and Technology
Plac Cieszyński 1, Kortowo 45 c/10, 10-957 Olsztyn
phone (89) 27-86-87, 27-82-33
fax (48-89) 27-39-08

fields of research:

food biotechnology – dairy meat, grains, lipids, proteins,
biomass production, fermentation, microorganisms

application:

food industry, dairy products, commodities

services offered:

technological consulting, product development

contact persons:

Arnold Reps, professor and Institute Director;
Włodzimierz Bednarski, professor and Department Head;
Andrzej Babuchowski, Ph.D.;
Jacek Leman, Ph.D.

**Institute
of Medicinal Plants**

ul. Libelta 27, 61-707 Poznań
phone (61) 52-56-16, 52-40-03
fax (61) 52-74-63

fields of research:

pharmacology, phytochemistry and technology of plant drugs

application:

pharmaceutical industry

journal:

"Herba Polonica"

contact persons:

Jerzy Lutomski, professor and Institute Director, member of the
Polish Academy of Sciences;
Włodzimierz Grajek, professor

**Department
of Biochemistry**

Faculty of Biochemistry and Biotechnology
Academy of Agriculture
ul. Wolyńska 35, 60-637 Poznań
phone (61) 22-45-81 ext. 171, 176
fax (61) 441-25

fields of research:

plant-microbe interactions, plant genes, nodulins,
organospecific and host-specific gene expression

application:

agriculture

contact persons:

Urszula Szybiak-Stróżycka, Ph.D.;
Cezary Mądrzak, Ph.D.

**Laboratory
of General Botany**

Faculty of Biology
Adam Mickiewicz University
Aleja Niepodległości 14, 61-713 Poznań
phone (61) 52-56-03

fields of research:

experimental embryology of angiosperms, plant cell culture,
micropropagation of plants

application:

production of hybrid plants, micropropagation of plants,
production of haploids

contact persons:

Maciej Zenkteler, professor and Laboratory Head;
Rafał Mól, Ph.D.;
Barbara Stefaniak, Ph.D.

**Department
of Biotechnology
and Food Microbiology**

Agricultural University
ul. Mazowiecka 48, 60-623 Poznań
phone (61) 22-45-81
fax (61) 441-25

fields of research:

applied microbiology, fermentation technology, lactic acid and
propionic acid bacteria

application:

food industry, feed industry, bioenergetics

services offered:

microbiological analysis, plant design, technology design

contact persons:

Włodzimierz Grajek, professor and Institute Director;
Krystyna Trojanowska, professor

**Department
of Plant Molecular
Biology**

Institute of Bioorganic Chemistry
Polish Academy of Sciences
ul. Noskowskiego 12/14, 61-704 Poznań
phone (61) 52-05-32, 52-85-03, 52-85-04, 52-68-77
fax (61) 52-05-32

fields of research:

plant molecular biology, plant-microbe interactions

application:

agriculture

contact person:

Andrzej B. Legocki, professor and Institute Director, member of
the Polish Academy of Sciences

**Laboratory
of Protein Biosynthesis**

Institute of Bioorganic Chemistry
Polish Academy of Sciences
ul. Noskowskiego 12, 61-704 Poznań
phone (61) 52-85-03
fax (61) 52-05-32

fields of research:

regulation of protein biosynthesis at translational level

application:

protein biosynthesis

journal:

"Biotechnology Review"

contact person:

Tomasz Twardowski, associate professor and Laboratory Head,
editor-in-chief

**Laboratory
of Nucleic Acids
Synthesis**

Institute of Bioorganic Chemistry
Polish Academy of Sciences
ul. Noskowskiego 12, 61-704 Poznań
phone (61) 52-85-03
fax (61) 52-05-32

fields of research:

nucleic acid synthesis, structural chemistry,
fluorescent probes

contact person:

Ryszard W. Adamiak, professor and Laboratory Head

**Laboratory
of Embryology
and Plant Tissue
Culture**

Institute of Plant Genetics
Polish Academy of Sciences
ul. Strzeszyńska 34, 60-479 Poznań
phone (61) 23-35-11

fields of research:

genetics of somatic cells of potato

application:

preparation *in vitro* of new potato genotypes characterized
by differential ability to assimilate various nitrogen forms

contact persons:

Ignacy Wiatroszak, professor and Institute Director;
Bożena Chwilkowska, Ph.D.

**Laboratory
of Molecular Genetics**

Institute of Plant Genetics
Polish Academy of Sciences
ul. Strzeszyńska 30/36, 60-479 Poznań
phone (61) 23-35-11 ext. 246
fax (61) 22-11-22

fields of research:

genetic engineering of plants

application:

agriculture

contact person:

Sławomir Bartkowiak, associate profesor and Laboratory Head

**Department
of Biochemistry
and Biotechnology**

University of Agriculture
ul. Wolyńska 35, 60-637 Poznań
phone (61) 22-45-81 ext. 186
fax (61) 44-125

fields of research:

potato transformation using genetic engineering techniques
regulation of transcription in higher plants, transcription factors

application of research:

agriculture

contact person:

Witold Stefan Walerych, professor and Department Head,
Piotr Dullin, Ph.D.

**Department
of Molecular Pathology
and Mutagenesis**

Institute of Human Genetics
Polish Academy of Sciences
ul. Strzeszyńska 32, 60-479 Poznań
phone (61) 23-32-35, 23-30-11
fax (61) 23-32-35

fields of research:

hereditary susceptibility to cancer, benzo/ α /pyrene, locus Ah,
ataxia telangiectasia, familial polyposis coli

application:

ecogenetics, pharmacogenetics, molecular dosimetry
of exposure and biological effect of polycyclic
aromatic hydrocarbons

contact person:

Andrzej L. Pawlak, professor and Department Head

**Department
of Immunogenetics**

Institute of Human Genetics
Polish Academy of Sciences
ul. Strzeszyńska 32, 60-479 Poznań
phone (61) 23-32-35, 23-30-11
fax (61) 23-32-35

fields of research:

lymphocyte antigens and receptors, rearrangement
of immunoglobulin and T cell receptor genes,
leukemia, erythrocyte complement receptor

application:

complement receptor, IL-2 receptor, TCR and Ig genes,
classification and diagnosis of lymphoproliferative diseases

contact person:

Jerzy Nowak, professor and Institute Director, Laboratory Head

**Department
of Tobacco Breeding
and Production**

Institute of Soil Science and Plant Cultivation
ul. Czarzoryskich 8, 24-100 Puławy – Osada Pałacowa
phone 34-21 ext. 216
fax 45-47, 0642410

fields of research:

interspecific gene transfer, tissue and cells culture

application:

plant breeding

contact persons:

Apoloniusz Berbeć, researcher;
Teresa Doroszewska, researcher;
Dorota Laskowska, researcher

**Laboratory
of Immunoprophylaxis**

National Veterinary Research Institute
ul. Partyzantów 57, 24-100 Puławy
phone 30-51
fax 25-95

fields of research:

virology, immunology, technology of biopreparations and
drugs, vaccines

application:

immunoprophylaxis of rabbits and fur animals

services offered:

research and control of vaccines, diagnosis of viral diseases

contact persons:

Jerzy Górski, professor and Department Head

**Laboratory
of Hop Protection**

Institute of Soil Science and Plant Cultivation
ul. Czarotoryskich 8, 24-100 Puławy – Osada Pałacowa
phone 34-21, 34-22

fields of research:

hop protection and diseases (fungi, viruses, spider mites)

application:

control of diseases and pests

contact person:

Ewa Solarska, Ph.D., Laboratory Head

**Department
of Production
of Tissue
Culture Vaccines**

Biowet (Serum and Vaccine Laboratory)
24-100 Puławy – Michałówka
phone 30-91
fax 33-53

fields of research:

viruses of replication and tissue culture

application:

technology of biopreparations for immunoprophylaxis of dogs
and fur animals

contact person:

Czesława Górka, associate professor and Department Head

**Department
of Swine Diseases**

National Veterinary Research Institute
ul. Partyzantów 57, 24-100 Puławy
phone 30-51
fax 25-95
tlx 0642401

fields of research:

virology and immunology of pestiviruses and herpesviruses

application:

production of KITS and vaccines for veterinary

services offered:

production of vaccines, treatment and prophylaxis of swine
diseases

journal:

"Bulletin Veterinary" Institute of Puławy

contact persons:

Zygmunt Pejsak, professor and Department Head;
A. Lipowski, Ph.D.

**Laboratory
of Plant Tissue Culture**

Research Institute of Vegetable Crops
ul. Konstytucji 3-go Maja 1-3, 96-100 Skierniewice
phone 34-34
fax 88-66-49

fields of research:

tissue culture of vegetable crops, clonal propagation,
somaclonal variation, *in vitro* selection

application:

plant breeding

contact person:

Tomasz Badzian, associate professor and Laboratory Head

**Department
of Standardization
of Agriculture
Food Products**

Polish Committee for Standardization,
Measures and Quality Control
ul. Elektoralna 2, 00-139 Warszawa
phone (22) 27-41-15
fax (22) 20-83-78

fields of research:

fruit and vegetables products, methods of tests

application:

standardization and quality control

services offered:

exchange of information concerning methods of tests of fruits,
vegetables and derived products

journal:

"Normalization"

contact person:

Maria Wiślińska, senior specialist, ISO/TC 34/SC 3 secretary

**Department
of Food Technology**

Warsaw Agricultural University
ul. Grochowska 272, 03-849 Warszawa
phone (22) 10-35-51, 10-01-63

fields of research:

meat aging and quality changes

application:

meat technology

contact persons:

Andrzej Pisula, professor;
Jan Mroczek, professor
and Department Head

**Department
of Cell Biology
and Experimental
Therapy**

Cancer-Center Institute
ul. Wawelska 15, 02-034 Warszawa
phone (22) 23-25-49
fax (22) 22-24-29

fields of research:

DNA repair, DNA replication, gene expression

application:

diagnosis on cancer disease

contact person:

Janusz Siedlecki, Ph.D., Laboratory Head

**Department
of Plant Genetics
and Breeding**

Warsaw Agricultural University
ul. Nowoursynowska 166, 02-766 Warszawa
phone (22) 43-09-82
fax (22) 47-15-62

fields of research:

somatic embryogenesis, *in vitro* selection, gene technology,
molecular genetics of sex

contact person:

Stefan Malepszy, professor and Department Director

**Department
of Biology
and Pharmaceutical
Botany**

Faculty of Pharmacy
Warsaw Medical Academy
ul. Banacha 1, 02-097 Warszawa
phone (22) 23-59-84

fields of research:

medicinal plant biotechnology

application:

drug production of natural origin

contact person:

Mirosława Furmanowa, professor and Department Head

**Department
of Chemical Reactor
and Bioprocess
Engineering**

Warsaw Technical University
Institute of Chemical and Process Engineering
ul. Waryńskiego 1, 00-645 Warszawa
phone (22) 21-03-61 ext.64-13

fields of research:

solid state fermentation, bioprocesses modelling

application:

enzymes production

contact person:

Krzysztof W. Szewczyk, associate professor

**National Institute
of Hygiene**

ul. Chocimska 24, 00-791 Warszawa
phone (22) 49-74-84, 49-40-51
fax (22) 49-74-84

fields of research:

microbiology, immunopathology, epidemiology, toxicology

application:

monitoring of environmental pollution with infectious agents
and toxic substances

journals:

"Review Epidemiology", "Annals of National Inst. Hygiene",
"Exp. Med. Microbiol."

contact person:

Waleria Hryniewicz, professor, scientific director of the Institute;
Stefan Tyski, associate professor

**Department of
Tissue Culture**

Plant Breeding and Acclimatization Institute
05-870 Blonie
phone (22) 55-26-11, 55-36-11
fax (22) 55-47-14

fields of research:

in vitro culture, cereals, wheat, triticum, somatic
embryogenesis, anther culture of *Gramineae*

application:

plant breeding, plant genetics

journal:

"Bulletin IHAR"

contact persons:

Henryk J. Czembor, professor and Institute Director;
Zygmunt Tomaszewski Jr., Ph.D., researcher;
Janusz Zimny, Ph.D. assistant professor;
Andrzej Czaplicki, assistant professor

**Department
of Chemical Reactor
and Bioprocess
Engineering**

Warsaw Technical University
Institute of Chemical and Process Engineering
ul. Waryńskiego 1, 00-645 Warszawa
phone (22) 25-85-64, 25-14-40
fax (22) 25-14-40

fields of research:

up- and down- stream processing

application:

bioprocess engineering

contact persons:

Ryszard Pohorecki, professor and Department Head;
Stanislaw Wroński, professor

**Department
of Biochemistry**

Research-Development Center of Biotechnology
ul. Starościńska 5, 02-516 Warszawa
phone (22) 49-60-51 ext. 255
fax (22) 49-42-07

fields of research:

enzymes and antibiotics biosynthesis

application:

technology of antibiotics and enzymes production

service offered:

available collection of *Streptomyces*

contact person:

Lidia Paśś-Dzięgielewska, Ph.D.

**Department
of Molecular Biology**

Institute of Biochemistry and Biophysics
Polish Academy of Sciences
ul. Rakowiecka 36, 02-532 Warszawa
phone (22) 49-01-71 ext. 523
fax 39-12-16-23

fields of research:

enzymology and photobiology of human anti-proteinase

application:

medicine

contact person:

Zofia Zarębska, associate professor
and Laboratory Head

**Department
of Comparative
Biochemistry**

Institute of Biochemistry and Biophysics
Polish Academy of Sciences
ul. Rakowiecka 36, 02-532 Warszawa
phone (22) 49-01-71 ext. 541, 552
fax 39-12-16-23

fields of research:

structure of nucleolytic enzymes

application:

enzymology

contact persons:

J.W. Szarkowski, professor and Department Head;
A. Przykorska, Ph.D.

**Department
of Fermentation
and Fruit and Vegetable
Technology**

Warsaw Agricultural University
ul. Rakowiecka 26/30, 02-528 Warszawa
phone (22) 49-22-51 ext. 231

fields of research:

wine (fruit-, grape-, honey-, whey wine), fruit juices
and beer technology

application:

wine technology

contact person:

Wiesław Wzorek, associate professor

**Department
of Protein Biosynthesis**

Institute of Biochemistry and Biophysics
Polish Academy of Sciences
ul. Rakowiecka 36, 02-532 Warszawa
phone (22) 48-09-14, (48) 39-12-16-23
fax 39-12-16-23

fields of research:

virology, protein synthesis

application:

detection of viruses

contact person:

Przemysław Szafrński, professor and Department Head

**Department
of Protein Biosynthesis**

Institute of Biochemistry and Biophysics
Polish Academy of Sciences
ul. Rakowiecka 36, 02-532 Warszawa
phone (22) 49-04-15
fax 39-12-16-23

fields of research:

potato viroids and viruses

application:

detection of potato viroids and viruses

contact persons:

Włodzimierz Zagórski-Ostojka, professor
and Institute Director;

C. Żekanowski, Ph.D.

**Department
of Biophysics**

Institute of Biochemistry and Biophysics
Polish Academy of Sciences
ul. Rakowiecka 36, 02-532 Warszawa
phone (22) 48-09-13
fax 39-12-16-23

fields of research:

structure-function relationship of nucleic acids and proteins

application:

DNA recombinant technology of proteins for basic research
and medical applications

contact persons:

Kazimierz L. Wierzchowski, professor and Department Head,
member of the Polish Academy of Sciences;
Andrzej Bierzyński, associate professor;
Magdalena Fikus, professor and Laboratory Head

**Department
of Technical Microbiology
and Biochemistry**

Institute of Biotechnology of Agricultural and Food Industry
ul. Rakowiecka 36, 02-532 Warszawa
phone (22) 49-02-41, 49-01-71
fax 29-12-16-23
tlx 81-38-45 ips pl

fields of research:

industrial application of enzyme preparations

application:

production of microbial enzyme preparations

contact person:

Regina Sawicka-Żukowska, Ph. D., Laboratory Head

**Department
of Technical Microbiology
and Biochemistry**

Institute of Biotechnology of Agricultural and Food Industry
ul. Rakowiecka 36, 02-532 Warszawa
phone (22) 49-04-06, 49-01-71 ext. 274
fax 29-12-16-23

fields of research:

technical microbiology, biotechnology, strain improvement,
mutation, protoplast

application:

microbial industry

contact person:

Olga Ilnicka-Olejniczak, professor and Department Head

**Department
of Microbial Biochemistry**

Institute of Biochemistry and Biophysics
Polish Academy of Sciences
ul. Rakowiecka 36, 02-532 Warszawa
phone (22) 49-85-94
fax 39-12-16-23

fields of research:

regulation of gene expression

application:

agriculture

contact person:

Maria Danuta Hulanicka, professor and Department Head

**Department
of Plant Biochemistry**

Institute of Biochemistry and Biophysics
Polish Academy of Sciences
ul. Rakowiecka 36, 02-532 Warszawa
phone (22) 49-85-94, 49-01-71 ext. 502
fax 39-12-16-23

fields of research:

plant molecular biology, gene cloning and radiobiopreparations

application:

molecular biology

contact person:

Lidia D. Wasilewska, professor and Laboratory Head

**Department
of Plant Biochemistry**

Institute of Biochemistry and Biophysics
Polish Academy of Sciences
ul. Rakowiecka 36, 02-532 Warszawa
phone (22) 49-04-03
fax 39-12-16-23

fields of research:

molecular biology, expression of plant genome, cell and tissue culture, plant enzymology, phosphorylation, dephosphorylation

application:

potatoes breeding, plant genome regulation

services offered:

potatoes and tobacco tissue culture, micropropagation, enzyme preparation

contact persons:

Jerzy Buchowicz, professor;
Bernard Wielgat, associate professor, Deputy Director;
B. Klos, researcher;
Grażyna Muszyńska, Ph.D.

**Department
of Plant Biochemistry**

Institute of Biochemistry and Biophysics
Polish Academy of Sciences
ul. Rakowiecka 36, 02-532 Warszawa
phone (22) 49-04-03
fax 39-12-16-23

fields of research:

plant biochemistry, cell and tissue culture, transformation, plant pathogens

application:

potatoes breeding

contact persons:

M. Borkowska; Kazimierz Kleczkowski, professor

**Department
of Organic Chemistry**

Institute of Chemistry, Wrocław University
ul. Joliot-Curie 14, 50-383 Wrocław
phone (71) 22-92-83
fax (71) 22-14-06

fields of research:

chemistry and biology of peptides

application:

theoretical medicine and therapy

service offered:

circular dichroism measurements

contact persons:

Ignacy Zenon Siemion, professor and Department Head

**Department
of Immunochemistry**

Institute of Immunology and Experimental Therapy
Polish Academy of Sciences
ul. Czerska 12, 53-114 Wrocław
phone (71) 67-90-81
fax (71) 67-91-11

fields of research:

structure and function of polysaccharide antigens

application:

vaccines and diagnostic kits

services offered:

culture collections

journal:

"Archivum Immunologiae et Therapiae Experimentalis"

contact person:

Andrzej Gamian, Ph.D.

**Department
of Engineering
and Economist
of Industry**

Academy of Economics
ul. Komandorska 118/120, 53-345 Wrocław
phone (71) 68-11-55 ext. 269

fields of research:

control of fermentation processes

application:

baker's yeast production

contact person:

Tadeusz Miśkiewicz, professor

**Department
of Bioprocess
Engineering**

Institute of Chemical Engineering
Technical University
ul. Norwida 4/6, 53-373 Wrocław
phone (71) 20-26-77, 20-25-39, 20-24-02,
20-34-25, 20-36-49
fax (71) 22-36-64

fields of research:

immobilization of enzymes, bioreactors, membrane separation,
mass and momentum transport in membrane process

application:

pharmaceutical plants, bioreactors, biotechnology,
food industry, waste water treatment

services offered:

consulting on membrane separation and water management

contact persons:

Andrzej Noworyta, professor and Institute Director;
Jolanta Bryjak, assistant; Marek Mielczarek, Ph.D.;
Andrzej Kołtuniewicz, Ph.D.

Biochemical Laboratory

Institute of Immunology and Experimental Therapy
Polish Academy of Sciences
ul. Czerska 12, 53-114 Wrocław
phone (71) 67-90-81 ext. 191, 177
fax (71) 67-91-11

fields of research:

immunodiagnosics: detection and assay
of human choriogonadotropin

application:

pregnancy and trofoblastic diseases

contact person:

Apolinary Szewczuk, professor and Laboratory Head

**Department
of Microbiology**

Institute of Immunology and Experimental Therapy
Polish Academy of Sciences
ul. Czerska 12, 53-114 Wrocław
phone (71) 67-90-81
fax (71) 67-91-11

fields of research:

immunology, therapy, immunochemistry, microbiology

application:

medicine

services offered:

supply of bacterial cultures (collection of 2000 strains),
information on strain sources

journal:

"Archivum Immunologiae et Therapiae Experimentalis"

contact persons:

Marian Mordarski, professor and Department Head;
Stefan Rowiński, Ph.D., curator of culture collection

**Department
of Polymer
Physicochemistry**

Institute of Organic and Polymer Technology
Technical University
ul. Wybrzeże Wyspiańskiego 27, 50-370 Wrocław
phone (71) 20-38-26, 20-32-73
fax (71) 22-36-64

fields of research:

reactive polymers

application:

carriers for immobilization of biological active substances

contact person:

Bożena Natalia Kolarz, professor and Department Head

Department of Chemistry

Institute of Organic and Physical Chemistry
Technical University
ul. Wybrzeże Wyspiańskiego 27, 50-370 Wrocław
phone (71) 20-34-46
fax (71) 22-36-64

fields of research:

chemistry of natural products

application:

insect control

contact person:

Andrzej Zabża, professor, vice-president of the Biotechnology
Committee of the Polish Academy of Sciences