

Excellence Initiative – Research University
Priority Research Biotechnology and Biomedical Engineering

THE LIST OF APPLICATIONS DECLARED AS ELIGIBLE FOR FUNDING IN THE COMPETITION BIOTECHMED-2: Advanced

No.	Applicant (title/degree name and surname)	Faculty	Project title	Project grant
1.	Piotr Bogorodzki, Prof. Ph.D., D.Sc.	Faculty of Electronics and Information Technology	The combined NMR-MPS method for studying application of magnetic nanoparticles for hyperthermia	PLN 248 950
2.	Teodor Buchner, Ph.D.	Faculty of Transport	Improvement of criteria for electrophysiological assessment of terminal phase of T wave enhances antiarrhythmic protection of cardiological patients	PLN 244 950
3.	Michał Chudy, Prof. Ph.D., D.Sc.	Faculty of Chemistry	Studies on the interactions of recombinant insulin analogs and chosen receptors using SPR technique	PLN 249 849,00
4.	Ewa Dłuska, Prof. Ph.D., D.Sc.	Faculty of Chemical and Process Engineering	An emulsion delivery system for therapeutics - cancer treatment aided by a mechanism of synthetic lethality	PLN 231 815
5.	Artur Dybko, Prof. Ph.D., D.Sc.	Faculty of Chemistry	Body-on-a-chip systems for study the processes of cancer cells invasion and progression	PLN 249 090

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6.	Łukasz Górski, Prof. Ph.D., D.Sc.	Faculty of Chemistry	Ionic liquids as components of reference electrode membranes in devices for sweat analysis	PLN 249 090
7.	Jolanta Mierzejewska, Prof. Ph.D., D.Sc.	Faculty of Chemistry	Extracellular vesicles of probiotic yeast as vehicles for the delivery of biologically active molecules	PLN 249 910
8.	Mariusz Pietrzak, Prof. Ph.D., D.Sc.	Faculty of Chemistry	Application of alloy-type nanoparticles of gold/other metal as labels in biotests and biosensors	PLN 228 980
9.	Maciej Pilarek, Prof. Ph.D., D.Sc.	Faculty of Chemical and Process Engineering	Bifunctional aerogel-based platforms for intensification of cytotoxic naphthoquinones biosynthesis in transgenic roots cultured in vitro	PLN 249 525
10.	Waldemar Smolik, Prof. Ph.D., D.Sc.	Faculty of Electronics and Information Technology	Capacitively coupled electrical tomography for anatomical and functional imaging	PLN 185 150
11.	Paweł Sobieszuk, Prof. Ph.D., D.Sc.	Faculty of Chemical and Process Engineering	3D printed polycaprolactone/modified nanohydroxyapatite composite materials with mechanical and osteoinductive properties suitable for bone implants	PLN 249 805

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12.	Tomasz Starecki, Prof. Ph.D., D.Sc.	Faculty of Electronics and Information Technology	Development and evaluation of the properties of a biosensor based on crystal resonator dedicated for characterization of formalin-fixed paraffin-embedded tissue biopsies for histopathological examination	PLN 249 550
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