Summary of proposals recommended for funding

Programme/call: Programme "Applied research" under the Norwegian Financial Mechanisms 2014 – 2021 / Small Grant Scheme Call

Thematic areas: not applicable

Submission dates: 28.09-11.12.2020

No.	Acronym	Applicant / Project Promoter	Project title	Principal investigator is a „young researcher”?	Total points	Status of the proposal
1	IL-HYDROGEN	Nicolaus Copernicus University in Toruń	Pt-free graphene-based catalysts for water splitting technology as green method for hydrogen production	YES	25	recommended for funding
1	TEX-WATER-REC	Lodz University of Technology Faculty of Process and Environmental Engineering	Modern wastewater treatment with plasma-prepared catalyst for textile wastewater recycling	YES	25	recommended for funding
1	INPORR	Gdańsk University of Technology	Integrated technology for nitrogen and phosphorus removal and recovery in municipal wastewater treatment plants.	YES	25	recommended for funding
1	HyStor	Wroclaw University of Science and Technology	Improving the Efficiency of Hydrogen Storage Vessels through Novel Oxide Coatings	NO	25	recommended for funding
1	BANANO	Institute of High Pressure Physics Polish Academy of Sciences	Buried periodic Arrays of NANOchannels for single-frequency nitride lasers	YES	25	recommended for funding
6	CompoChar	Uniwersytet Przyrodniczy we Wrocławiu	The Synergy of Biological and Thermochemical Treatment of Biowaste to Reduce the Environmental Impact and Increase Process Efficiency	YES	24,5	recommended for funding
6	FlowChar	Silesian University of Technology	Flow electrodes from biomass-derived char	YES	24,5	recommended for funding
8	BioAbsMat	Institute of Metallurgy and Materials Science of Polish Academy of Sciences	New generation material for application in bioabsorbable orthopedic implants	NO	24	recommended for funding

8	DMOPV	Polish Academy of Sciences Institute of Metallurgy and Materials Science	Doping of metal oxides with particular emphasis on copper oxide, by spray coating method to reduce its resistivity for use in a thin-film heterojunction and perovskite solar cells	YES	24	recommended for funding
8	GalvaNiB	Łukasiewicz Research Network - Institute of Precision Mechanics	New electroless Ni-B/B and Ni-B/MoS2 composite coatings with improved mechanical properties	YES	24	recommended for funding
11	ENDLESS-Mol	Nicolaus Copernicus University in Toruń	Engineering a Novel, Diverse, Library-based Electronic Structure Suit for Molecular Design	NO	23,5	recommended for funding
11	CerChamber	Łukasiewicz Research Network - Institute of Ceramics and Building Materials	Development of ceramic and ceramic composite combustion chamber fabrication	NO	23,5	recommended for funding
11	3DforCOMP	Fundacja Partnerstwa Technologicznego TECHNOLOGY PARTNERS	3D printing and nanotechnology for electromagnetic shielding of CFRP structures	YES	23,5	recommended for funding
11	BioLigaMed	Instytut Podstawowych Problemów Techniki PAN	Preclinical study of the implant for reconstruction of the cruciate ligament with a substitute for bone regeneration	NO	23,5	recommended for funding
15	engiSCAF	Lodz University of Technology	Novel composite biopolymer scaffolds of customizable porous structure and preset biological activity	YES	23	recommended for funding
15	TAISTI	Poznan University of Technology	Development of a Technology based on Artificial Intelligence for inferring SubsTitutable recipe Ingredients	NO	23	recommended for funding
15	Intelligent_XRay_Det	Akademia Górniczo-Hutnicza im Stanisława Staszica w Krakowie	Pixel readout integrated circuit with intelligent X-ray detection	YES	23	recommended for funding
15	VariaT	Institute of Geophysics Polish Academy of Sciences	Variability of arctic river thermal regimes in a changing climate	YES	23	recommended for funding
15	ACIPHAGE	Ludwik Hirszfeld Institute of Immunology and Experimental Therapy Polish Academy of Science	Study of the composition of a bacteriophage preparation specific to multi-drug resistant Acinetobacter baumannii clinical strains	YES	23	recommended for funding
15	BIPOLAR	Instytut Badań Systemowych Polskiej Akademii Nauk	Bipolar disorder prediction with sensor-based semi-supervised learning	YES	23	recommended for funding

15	INNOQPTECHNOL	Silesian University of Technology	Innovative quenching and partitioning medium-manganese steels - novel technological concepts for ultra-high strength and ductile automotive sheets and plates	YES	23	recommended for funding
22	NITROsens	Gdańsk University of Technology	Voltammetric detection of nitro-explosive compounds using hybrid diamond-graphene sensors: field monitoring of emerging contaminants in the Baltic Sea region	YES	22,5	recommended for funding
22	MECHEX	Cracow University of Technology	New method of calculation and experimental studies of cross-flow heat exchangers made from tubes with individual or continuous fins	YES	22,5	recommended for funding
22	ForMag	Lublin University of Technology	New technology of forming magnesium alloy wheels for light vehicles	YES	22,5	recommended for funding
22	DesignHyCap	Wroclaw University of Science and Technology	Design and optimization of hybrid capacitors based on transition metal compounds/carbon nanostructures composites	YES	22,5	recommended for funding
22	GrooveNeuroTube	Uniwersytet im. Adama Mickiewicza w Poznaniu/Adam Mickiewicz University, Poznań	Multifunctional groove-patterned tubes for increased regeneration of peripheral nervous system after injuries	YES	22,5	recommended for funding
22	RenMet	Łukasiewicz Research Network - Institute of Non-Ferrous Metals	Innovative hydrometallurgical technologies for the production of rhenium compounds from recycled waste materials for catalysis, electromobility, aviation and defense industry	NO	22,5	recommended for funding
23	AptaCancer	Jagiellonian University in Kraków	Single-stranded DNA aptamer capable of specifically binding human PD-L1 as a new molecular probe in cancer diagnosis.	NO	22,5	recommended for funding
24	HumMilkPres	Gdańsk University of Technology	Storage of human milk in unfrozen state under high pressure-subzero temperature conditions - new method of preservation	NO	22,5	recommended for funding
25	HotHybrids	Uniwersytet Gdański	Pioneering hybrid materials for CO2 photoconversion	NO	22,5	recommended for funding
26	MOHMARER	Silesian University of Technology	Modern hybrid materials for rare earth elements recovery from coal fly ashes	NO	22,5	recommended for funding