编号	领域	项目名称	依托单位	网页介绍	关键词	摘要	人员要求
1	Molecular and Structural Biology and Biochemistry	Sampling Protein cOmplex Conformational Space with native to	Heinrich-Pette Institut Leibniz		structural mass spectrometry, stru	The main question to be a	
2	Molecular and Structural Biology and Biochemistry	Eukaryotic DNA replication: a single-molecule approach to the st	Technische Universiteit Delft	http://nynkedekkerlab.tudelft.nl	DNA replication, eukaryotic repli	DNA replication is essenti	DNA replication, chromatin, bio
3	Molecular and Structural Biology and Biochemistry	Protein synthesis in organelles	Stockholms Universitet		cryo-EM, ribosome, ATP synthas	Protein synthesis in mitoch	cryo-EM
4	Molecular and Structural Biology and Biochemistry	Mechanism of nucleosome assembly during DNA replication	Koninklijke Nederlandse Akac			Proper inheritance of the e	
5	Molecular and Structural Biology and Biochemistry	Coat assembly and membrane remodelling: understanding regula	Birkbeck College - University	http://www.zanettilab.co.uk	cryo-EM, cryo-tomography, subto	Eukaryotic cells are organi	
6	Molecular and Structural Biology and Biochemistry	Chromatin dynamics resolved by rapid protein labeling and bioor	Karolinska Institutet	http://www.elsaesserlab.org	Chromatin, Epigenetics, Stem Ce	Histone proteins provide a	
7	Genetics, Genomics, Bioinformatics and Systems Biology	Functional Genomics of the Lysosome	Fondazione Telethon		lysosomes, autophagy	For a long time the lysosor	
8	Genetics, Genomics, Bioinformatics and Systems Biology	Pervasive Upstream Non-Coding Transcription Underpinning Ad	Kobenhavns Universitet		long non-coding RNA (lncRNA),	Genomic DNA represents	long non-coding RNA (lncRNA)
9	Genetics, Genomics, Bioinformatics and Systems Biology	Targeting the Oncogenic Function of Myc in vivo	Julius-Maximilians-Universita	https://www.biozentrum.uni-wuerzb	Myc, Cancer, transcription, medi	The transcription factor M	medical chemistry, medicinal ch
10	Genetics, Genomics, Bioinformatics and Systems Biology	Metabolism of a cell pictured by single-cell approach	European Molecular Biology I	https://cordis.europa.eu/project/rcn/	single-cell, metabolomics, spatial	Every cell is unique. Metal	single-cell, omics, microscopy, r
11	Genetics, Genomics, Bioinformatics and Systems Biology	Homologous recombination and its application in manipulating a	The Chancellor Masters And S			Mitochondrial DNA (mtDI	
12	Genetics, Genomics, Bioinformatics and Systems Biology	Early embryonic events, life-long consequences: DNA methylatio	Centre National De La Recher		DNA methylation, epigenetics, pc	Immediately after fertilizat	
13	Genetics, Genomics, Bioinformatics and Systems Biology	An experimental and bioinformatic toolbox for functional epigen	Cemm - Forschungszentrum F			Epigenetic alterations can	Medical Epigenomics, Bioinforn
14	Genetics, Genomics, Bioinformatics and Systems Biology	Cell-Type Specific DNA Methylation Changes During Mammalia	Weizmann Institute Of Scienc		Epigenetics, Embryonic Develop	DNA methylation is essent	Epigenetics, Embryonic Develop
15	Cellular and Developmental Biology	Dissecting the function and regulation of centriolar satellites: key	Koc University	http://mysite.ku.edu.tr/ekaralar/proje	centrosomes, cilia, ciliopathies, re	Centrosomes are the main	centrosomes, cilia, ciliopathies,
16	Cellular and Developmental Biology	Cell division and the origin of embryonic aneuploidy in preimpla	European Molecular Biology I			Cell division is fundament	
17	Cellular and Developmental Biology	Unraveling complex organ regeneration through live imaging and	Centre National De La Recher		regeneration, progenitors, compa	Many animals have the abi	genetic tools, live imaging, comp
18	Cellular and Developmental Biology	Insect Photoperiodic Timer	Biologicke Centrum Av Cr, V.		insect; circadian clock; diapause;	Daylength measuring devi	population genetics; genomics; b
19	Cellular and Developmental Biology	Chromatin-localized central metabolism regulating gene expressi	Cemm - Forschungszentrum F	https://cemm.at/research/funding/int	chromatin, epigenetics, chemical	Epigenetics research has re	chromatin, epigenetics, chemica
20	Cellular and Developmental Biology	Evolution of cell fate specification modes in spiral cleavage	Queen Mary University Of Lor		evo-devo, annelids, spiral cleava	Spiral cleavage is a highly	computational biology, developn
21	Cellular and Developmental Biology	The mammalian body plan blueprint, an in vitro approach	The Chancellor Masters And S		Gastruloid, organ engineering, de	The development of an em	
22	Cellular and Developmental Biology	Deciphering and engineering centriole assembly	Ecole Polytechnique Federale			Deciphering and engineeri	
23	Cellular and Developmental Biology	How intraflagellar transport shapes the cilium: a single-molecule	Stichting Vu	www.nat.vu.nl/~erwinp	C. elegans, cilia, chemosensing, i	Sensory cilia are organelle	bit more senior visiting scientist,
24	Cellular and Developmental Biology	Intracellular phosphate reception and signaling: A novel homeost	Universite De Lausanne		nutrient signaling, phosphate hon	Cells face a phosphate cha	
25	Physiology, Pathophysiology and Endocrinology	Signaling Cascades in Metabolic Diseases	Julius-Maximilians-Universita			Over 380 million people s	
26	Physiology, Pathophysiology and Endocrinology	Bile acid, immune-metabolism, lipid and glucose homeostasis	Universite De Lille			The role of chronic inflam	nuclear receptors; bile acids; epi
27	Physiology, Pathophysiology and Endocrinology	Metabolic regulation of metastatic growth	Vib			Metastatic growth of canc	
28	Physiology, Pathophysiology and Endocrinology	Novel Metabolic Pathways in Cancer	Universite Catholique De Lou		metabolism, cancer, mass spectro	Metabolic adaptations in c	Strong interest or experience in
29	Physiology, Pathophysiology and Endocrinology	Harnessing tumor metabolism to overcome immunosupression	Vib			Anti-cancer immunotherap	
30	Physiology, Pathophysiology and Endocrinology	The PIDDosome in Centrosome and Ploidy-Surveillance	Medizinische Universitat Innsl			Tight control of the numbe	
31	Physiology, Pathophysiology and Endocrinology	SIGNALING PROPENSITY IN THE MICROENVIRONMENT	Masarykova Univerzita	ceitec.cz/mrazlab	BCR signalling; T cell interaction	B cell chronic lymphocytic	BCR signalling; B cells; CLL; ch
32	Physiology, Pathophysiology and Endocrinology	Enhancers Decoding the Mechanisms Underlying CAD Risk	Ita-Suomen Yliopisto			In recent years, genome-w	
33	Physiology, Pathophysiology and Endocrinology	Regulation of bone metastases by age-associated angiocrine signa	The Chancellor, Masters And		bone marrow microenvironment,	Blood vessels form a versa	
34	Physiology, Pathophysiology and Endocrinology	Form and Function of the Mitochondrial Retrograde Response	The Royal Veterinary College		Mitochondria, Quality Control, C	The molecular communica	Mitochondria, Autophagy, Pharr
35	Physiology, Pathophysiology and Endocrinology	Resilience and Trigger Factors in Cardiac Arrhythmia: Risk Strati	Linkopings Universitet			Up to 30% of individuals v	
36	Physiology, Pathophysiology and Endocrinology	At the epigenetics-cancer metabolism interface	Fundacio Centre De Regulacic		epigenetic, cancer, metabolism, s	Epigenetic regulation and	
37	Physiology, Pathophysiology and Endocrinology	The role of tumour microenvironment in metastatic hormone-refr	The University Of Edinburgh			The goal of this proposal i	
38	Physiology, Pathophysiology and Endocrinology	Deconstructing Ageing: from molecular mechanisms to interventi	Universidad De Oviedo			Over many years, our resea	

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39	Physiology, Pathophysiology and Endocrinology	Metabolic integration by nutrient SENSing	Institut National De La Sante I	www.panasyuklab.fr	metabolic homeostasis, nutrient s	Nutrient sensing enables n	motivated, pro-active, creative e
40	Neurosciences and Neural Disorders	Motor and cognitive functions of the monkey premotor cortex du	Universita Degli Studi Di Parn	www.boninilab.unipr.it	mirror neurons; peripersonal spac	A number of studies demo	neurophysiology; data analysis;
41	Neurosciences and Neural Disorders	Understanding creativity and problem solving through sleep-engi	Cardiff University	https://www.cardiff.ac.uk/research/e	sleep, memory, consolidation, cre	Innovative problem solvin	EEG, sleep, memory, creativity,
42	Neurosciences and Neural Disorders	Wiring synaptic circuits with astroglial connexins: mechanisms, c	College De France			Brain information processi	
43	Neurosciences and Neural Disorders	Enhancing brain function and cognition via artificial entrainment	Eidgenoessische Technische F	https://decision.ethz.ch/	decision making, brain stimulatio	Neural oscillations are ubi	neuro-computational modeling,
44	Neurosciences and Neural Disorders	The Claustrum: A Circuit Hub for Attention	The Hebrew University Of Jer	www.citrilab.com	claustrum physiology anatomy re	Our senses face a constant	physiologist behaviourist attentio
45	Neurosciences and Neural Disorders	An open or closed process: Determining the global scheme of per	Weizmann Institute Of Scienc		perception, active-sensing, roboti	Despite decades of intensi	perception, active-sensing, robot
46	Neurosciences and Neural Disorders	Myelin at the crossroads of Development and Disease	The Chancellor Masters And S			The oligodendrocyte, the l	
47	Neurosciences and Neural Disorders	Tethers for sensory mechanotransduction: from molecules to perc	Max Delbrueck Centrum Fuer		mechanotransduction, sesnory , t	Touch sensation is built up	
48	Neurosciences and Neural Disorders	Neural drivers of functional disconnectivity in brain disorders	Fondazione Istituto Italiano Di		connectivity, fMRI, chemogeneti	A rapidly expanding appro	neural computation, image analy
49	Neurosciences and Neural Disorders	Organization and learning-associated dynamics of prefrontal syna	Weizmann Institute Of Scienc		Synaptic connectivity, optogeneti	How does experience alter	electrophysiology, imaging, patc
50	Neurosciences and Neural Disorders	Human Subcortical-Cortical Circuit Dynamics for Remembering	Universidad Politecnica De M	http://www.thestrangelab.org/erc-co	Memory, Emotion, Salience, Hip	Our memory system is opt	
51	Neurosciences and Neural Disorders	Whole-brain dynamics underlying self-generated behaviour	Institut National De La Sante I	www.zebrain.biologie.ens.fr	Neuronal circuit dynamics, motor	The first behavioural theor	computational neuroscience, neu
52	Neurosciences and Neural Disorders	Comprehensive anatomical, genetic and functional identification	Erasmus Universitair Medisch	https://neuro.nl/research/gao	brain circuits, cerebro-cerebellar	How does the brain integra	
53	Immunity and Infection	Pathophysiology of platelet-derived Interleukin 1	Universitatsklinikum Bonn	http://www.iii.uni-bonn.de/franklin_	Inflammation, Inflammasomes, P	The Interleukin (IL)-1 fam	Innate Immunity, Pattern Recogn
54	Immunity and Infection	DEVELOPMENT OF HEALTHY HOST-MICROBIAL MUTUA	Universitaet Bern			BackgroundHumans and o	
55	Immunity and Infection	Molecular mechanisms of interferon-induced antiviral restriction	Institut National De La Sante I		antiviral restriction, interferon, H	Interferons (IFNs), which a	
56	Immunity and Infection	Exploring the hidden life of African trypanosomes: parasite fat tra	Instituto De Medicina Molecu	https://imm.medicina.ulisboa.pt/inv	Adipose tissue, metabolism, infec	Background: The study of	Vascular biology, single cell, me
57	Immunity and Infection	Influenza Virus - Sugar Interactions, From Glycan Arrays To Bet	Universiteit Utrecht		influenza A virus, hemagglutinin,	Our current assays to deter	virology, glycobiology, immunol
58	Immunity and Infection	RNA regulation during viral infection	Kobenhavns Universitet		Virus, Hepatitis, RNA, miRNA, I	Viral infections are respon	
59	Immunity and Infection	Assessing the role of ribosomes and mRNA translation in shaping	Institut National De La Sante I		ribosome, RNA, translation, infla	Inflammation is a highly re	RNA, cell biology, innate immun
60	Immunity and Infection	Spatiotemporal regulation of T-cell Priming	Julius-Maximilians-Universita			The initiation of adaptive c	
61	Immunity and Infection	Microbial invasion and dissemination within the host, mechanism	Institut Pasteur	https://research.pasteur.fr/en/team/b		An infection is defined by	
62	Immunity and Infection	The role of immune cells in Alzheimer's disease	Universita Degli Studi Di Verc			Alzheimer's disease is the	
63	Diagnostic Tools, Therapies and Public Health	From longitudinal proteomics to dynamic individualized diagnost	Turun Yliopisto	https://elolab.utu.fi	computational biomedicine, longi	Longitudinal omics data h	computational biomedicine, long
64	Diagnostic Tools, Therapies and Public Health	Novel Approach to Systematically Characterize Exercise- and Nu	Lunds Universitet		Genetics, Omics, Lifestyle, Diet,	Proposal summaryType 2 d	
65	Diagnostic Tools, Therapies and Public Health	Translational and Transdisciplinary research in Modeling Infectio	Universiteit Hasselt		Mathematical epidemiology	TransMID focuses on the c	Biostatistics, Epidemiologist
66	Diagnostic Tools, Therapies and Public Health	STEM CELL MODELS TO UNRAVEL THE SUSCEPTIBILITY	Academisch Ziekenhuis Groni		human induced pluripotent stemc	The overarching objective	tissue engineering; induced pluri
67	Diagnostic Tools, Therapies and Public Health	Quantitative Surgical Guidance for Colorectal Surgery using End	Universite De Strasbourg	https://healthphotonics.org/	Image-Guided Surgery; Optical Ir	Despite significant advanc	
68	Diagnostic Tools, Therapies and Public Health	Informatics approaches for the rational selection of personalized c	Helsingin Yliopisto	https://cordis.europa.eu/project/rcn/	Bioinformatic approaches, persor	Making cancer treatment n	drug target discovery, network m
69	Diagnostic Tools, Therapies and Public Health	Vascular Tree Formation in Multi-Structural Tissue Engineering	Universiteit Twente	https://cordis.europa.eu/project/rcn/		Engineered tissues offer a	
70	Diagnostic Tools, Therapies and Public Health	Nanomaterials in Oncology: Exploiting the Intrinsic Cancer-Spec	Katholieke Universiteit Leuve	https://www.kulnanobmi.com/erc-na	nanomedicine	In our current society, ther	
71	Diagnostic Tools, Therapies and Public Health	Effects of Prenatal Exposure to Acrylamide on Health: Prospectiv	Kobenhavns Universitet		Acrylamide, Biomarker, Diet, Epi	Background: Acrylamide i	Dietary/Nutrient epidemiology, A
72	Diagnostic Tools, Therapies and Public Health	Imaging Perfusion Restrictions from Extracellular Solid Stress	Oslo Universitetssykehus Hf	https://www.ous-research.no/emble	MRI, glioblastoma, perfusion, ph	Even the perfect cancer dr	Senior researcher, imaging speci
73	Diagnostic Tools, Therapies and Public Health	Genetic, behavioural and cognitive mechanisms underpinning the	University Of Bristol		Depression , genetics, epidemiolc	Despite decades of researc	
74	Diagnostic Tools, Therapies and Public Health	Stress as a modifier of atherosclerosis - Novel mechanistic insigh	Deutsches Herzzentrum Munc	https://www.dhm.mhn.de/de/klinike	inflammation, cardiovascular dise	Atherosclerosis and its cor	interest in immunology and card
75	Diagnostic Tools, Therapies and Public Health	Towards the Understanding a Metal-Tumour-Metabolism	Vysoke Uceni Technicke V Br	http://ucb.af.mendelu.cz/	metallothionein, metallomics, tun	A tumour cell uses both ge	
76	Diagnostic Tools, Therapies and Public Health	Enabling Precision Immuno-oncology in Colorectal cancer	Medizinische Universitat Innsl			Immunotherapy with chec	

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77	Diagnostic Tools, Therapies and Public Health	Raman Endoscopic Proteo-lipidomics of Bladder Cancer	King'S College London			The goal of ENDOMICS i	
78	Diagnostic Tools, Therapies and Public Health	Paternal Epigenetic Inheritance: A man's life experiences may im	Stockholms Universitet			Epigenetic inheritance ma	Bioinformatics, RNA-seq, nonco
79	Diagnostic Tools, Therapies and Public Health	PROTEIN TYROSINE PHOSPHATASES IN METABOLIC DIS	Universite Libre De Bruxelles	https://erc.europa.eu/projects-figure	Metabolism, diabetes, protein tyr	Diabetes mellitus is charac	Molecular biology, metabolic sig
80	Diagnostic Tools, Therapies and Public Health	Targeting the epigenome: towards a better understanding of disea	Karolinska Institutet		epigenetics, multiple sclerosis, ge	Multiple Sclerosis (MS) is	
81	Diagnostic Tools, Therapies and Public Health	Engineering Composite Tissues for Facial Reconstruction	Technion - Israel Institute Of T		Engineered thick composite tissu	Facial reconstruction usua	Tissue engineering, 3D bio-print
82	Diagnostic Tools, Therapies and Public Health	Deciphering and predicting the evolution of cancer cell populatio	The Institute Of Cancer Resea		circulating tumor DNA, ultra-dee	The fundamental evolutior	bioinformatics, cancer genetics,
83	Diagnostic Tools, Therapies and Public Health	New molecular targets and proof-of-concept therapies for Autism	Centre National De La Recher		autism, translatome, new targets,	Autism is the major neuro	neuroscience, behavior or omic
84	Diagnostic Tools, Therapies and Public Health	Extracellular Vesicle-Inspired CArdiac Repair	Universitair Medisch Centrum	https://www.umcutrecht.nl/en/Resea	cardiac repair,extracellular vesicl	More than 3.5 million peo	collaborative, passionate, techno
85	Diagnostic Tools, Therapies and Public Health	Thermal Magnetic Resonance: A New Instrument to Define the R	Max Delbrueck Centrum Fuer		magnetic resonance imaging, radi	Temperature is a physical p	open min unbound curiosity
86	Diagnostic Tools, Therapies and Public Health	Therapeutic Allele Engineering: A novel technology for cell thera	Universitat Basel	https://erc.europa.eu/projects-figure	Genome Engineering, cell therap	We are currently witnessin	Expert in hHSC biology and/or g
87	Evolutionary, Population and Environmental Biology	Bacterial isoprene metabolism: a missing link in a key global bio	University Of East Anglia	www.jcmurrell.co.uk	isoprene environmental microbio	Isoprene is a very importa	
88	Evolutionary, Population and Environmental Biology	Evolution of the honey bee gut microbiome through bacterial div	Universite De Lausanne			Animals harbor specialize	
89	Evolutionary, Population and Environmental Biology	What makes leaves fall in autumn? A new process description for	Universiteit Antwerpen	https://www.uantwerpen.be/en/proje	deciduous trees, forest, phenolog	Leaf phenology is a key co	PhD or Post-doc with expertise a
90	Evolutionary, Population and Environmental Biology	Reticulate evolution: patterns and impacts of non-vertical inherita	Fundacio Centre De Regulacio	www.cgenomics.org	Evolution, Phylogenomics, Eukar	The traditional view is tha	
91	Evolutionary, Population and Environmental Biology	Assisting Coral Reef Survival in the Face of Climate Change	University Of Newcastle Upon	www.coralassistlab.org	coral reefs, assisted gene flow, se	CORALASSIST spans the	coral reefs, assisted gene flow, s
92	Evolutionary, Population and Environmental Biology	Ecophysiology of membrane lipid remodelling in marine bacteria	The University Of Warwick			Membrane lipids form the	
93	Evolutionary, Population and Environmental Biology	Hunting for the elusive "sixth" sense: navigation and magnetic se	Lunds Universitet		Magnetic sense, migration, navig	Many animals – including	Sensory biology, entomology, se
94	Evolutionary, Population and Environmental Biology	Age at maturity in Atlantic salmon: molecular and ecological diss	Helsingin Yliopisto	https://www.helsinki.fi/en/researchg	ecological genomics, evolutionar	Life history is the nexus of	functional genomics, ecological
95	Evolutionary, Population and Environmental Biology	The mechanical evolution from biting-chewing to piercing-suckir	Universitaet Zu Koeln		Biomechanics, geometric morpho	Insects are extremely effici	
96	Evolutionary, Population and Environmental Biology	Modelling the genomic landscapes of selection and speciation	The University Of Edinburgh		population genomics, speciation	Understanding how natura	
97	Evolutionary, Population and Environmental Biology	The genetic basis of the convergent evolution of fungal multicellu	Szegedi Biologiai Kutatokozpo			The evolution of multicellu	
98	Evolutionary, Population and Environmental Biology	DiseasE-FreE social life without Antibiotics resisTance	Kobenhavns Universitet			The application of antimic	
99	Evolutionary, Population and Environmental Biology	Reconstructing community dynamics and ecosystem functioning a	Universita Degli Studi Di Mila		environmental DNA, climate cha	Glaciers show a pattern of	environmental DNA, climate cha
100	Evolutionary, Population and Environmental Biology	Elucidating the causes and consequences of the global pattern of	Gregor Mendel Institut Fur Mo			Epigenetics continues to fa	
101	Evolutionary, Population and Environmental Biology	The macroevolutionary impact of epigenetics and lateral gene tra	Centre National De La Recher		phylogenetics, protists, epigenetic	Multicellular organisms (e	
102	Evolutionary, Population and Environmental Biology	A toolbox for fitness landscapes in evolution	Fundacao Calouste Gulbenkian		Adaptation, speciation, epistasis,	A major challenge in evolu	Virus evolution, speciation, syste
103	Evolutionary, Population and Environmental Biology	Testing new hypotheses on the evolution of sex-related chromos	Centre National De La Recher		geonmics, evolution, sex chromo	The sex chromosomes of p	geonmics, evolution, sex chromo
104	Evolutionary, Population and Environmental Biology	The genetic and neural basis of reproductive isolation	Ludwig-Maximilians-Universi		speciation, behaviour, genetics, H	Speciation is a fundamenta	
105	Evolutionary, Population and Environmental Biology	Behavioural biomechanics of insect herbivory - a case study on le	Imperial College Of Science T	https://cordis.europa.eu/project/rcn/	Biomechanics, Behavioural Ecol	Insect herbivores are a dor	Mechanical Engineer, Programm
106	Evolutionary, Population and Environmental Biology	Terrestrialization: Stress Signalling Dynamics in the Algal Proger	Georg-August-Universitat Got		streptophyte algae; plant evolutio	Land plants abound on Ea	
107	Evolutionary, Population and Environmental Biology	Bioenergetics in microalgae : regulation modes of mitochondrial	Universite De Liege	http://labos.ulg.ac.be/genetique-phy	photosynthesis, microlagae	During the course of eukar	biochemist, spectroscopy
108	Evolutionary, Population and Environmental Biology	The evolution of barriers to gene exchange	The University Of Sheffield		speciation	Speciation is a central pro	evolutionary biology
109	Evolutionary, Population and Environmental Biology	The Combined Effects of Climatic Warming and Habitat Fragmen	Centre National De La Recher		Climate Change, habitat fragmen	Climatic warming and hab	
110	Evolutionary, Population and Environmental Biology	Genomic basis of convergent evolution in the Trinidadian Guppy	The University Of Exeter	https://biosciences.exeter.ac.uk/staff	Convergent evolution, fish, popul	Many species have indepe	population genetics, quantitative
111	Evolutionary, Population and Environmental Biology	Evolution of Physiology: The link between Earth and Life	Universitat Wien		evolution, bioenergetics, biochem	The history of life is a subj	biochemist, geochemist, comput
112	Evolutionary, Population and Environmental Biology	Ecological and Evolutionary Importance of Molecular Diversity i	The Chancellor Masters And S	https://www.ecosystemchange.com/	ecology, evolution, lakes, microbi	Dissolved organic matter (	
113	Evolutionary, Population and Environmental Biology	Genetic admixture and its impact on domestication in the Bos ge	Kobenhavns Universitet	https://rathmuth.wixsite.com/wildlif	adaptive introgression; admixture	BackgroundGenetic excha	population genetics; evolutionar
114	Applied life Sciences and Non-Medical Biotechnology	Cognitive Ageing in Dogs	Eotvos Lorand Tudomanyegye			The aim of this project is t	

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115	Applied life Sciences and Non-Medical Biotechnology	Noninvasive Manipulation of Gating in Ion Channels	Universita Degli Studi Di Mila			noMAGIC has the visiona	
116	Applied life Sciences and Non-Medical Biotechnology	Exploring the Chemical Biology of Sequence Space via Picoliter	The Chancellor Masters And S		microfluidics, chemical biology,	Directed evolution of func	microfluidics, chemical biology,
117	Applied life Sciences and Non-Medical Biotechnology	Nanoscale Stress Imaging with Imperfect Diamonds	Academisch Ziekenhuis Groni		diamond magnetometry; biologic	My goal is to optically det	
118	Applied life Sciences and Non-Medical Biotechnology	Teleost mucosal B1-like lymphocytes at the crossroad of toleranc	Instituto Nacional De Investig		fish, B cells, Immunogloblulins,	B cells are one of the main	
119	Applied life Sciences and Non-Medical Biotechnology	Single-cell temporal tracking of epigenetic DNA marks	Vilniaus Universitetas		Metabolic engineering, DNA met	Over the past decade, epig	Enzyme engineering, directed ev
120	Applied life Sciences and Non-Medical Biotechnology	Fluorescence-based photosynthesis estimates for vegetation prod	Universitat De Valencia	https://ipl.uv.es/sentiflex/	vegetation properties mapping, Fl	Global food security will r	Programmer, Matlab, Python, re
121	Applied life Sciences and Non-Medical Biotechnology	Microclimatic buffering of plant responses to macroclimate warm	Universiteit Gent	www.formica.ugent.be	climate change, forests, microclin	Recent global warming is a	climate change, forests
122	Applied life Sciences and Non-Medical Biotechnology	Building biological computers from bacterial populations	University College London		synthetic biology; biosensors; sys	Biosensors detect compou	
123	Applied life Sciences and Non-Medical Biotechnology	Shape-directed protein assembly design	Lunds Universitet		Computational protein design, pr	Large protein complexes c	
124	Applied life Sciences and Non-Medical Biotechnology	Molecular machines based on coiled-coil protein origami	Kemijski Institut		protein design, synthetic biology,	Proteins are the most versa	structural biology, molecular mo
125	Applied life Sciences and Non-Medical Biotechnology	In search of uniqueness - harnessing anatomical hand variation	University Of Lancaster	https://www.lancaster.ac.uk/scc/rese	Forensic anthropology, image ana	H-unique will be the first r	Biometrics, machine learning, fo
126	Applied life Sciences and Non-Medical Biotechnology	Wanted: Micronutrients! Phytosiderophore-mediated acquisition	Universitaet Fuer Bodenkultur	https://forschung.boku.ac.at/fis/such	Soil; Barley (Hordeum vulgare); I	Understanding how plants	
127	Applied life Sciences and Non-Medical Biotechnology	Resurrecting LUCA - Engineering of RNA-encoded Cellular Life	Max-Planck-Gesellschaft Zur I		RNA replication, directed evoluti	Modern cellular life strictly	microbiology, imaging, genome
128	Applied life Sciences and Non-Medical Biotechnology	Overcoming plant graft incompatibility by modifying signalling a	Sveriges Lantbruksuniversitet		Plants, Arabidopsis, grafting, tran	For millennia, people have	
129	Applied life Sciences and Non-Medical Biotechnology	Automated computational design of site-targeted repertoires of ca	Weizmann Institute Of Scienc	https://erc.europa.eu/projects-figure	Antibody design; Rosetta; cameli	We propose to develop the	Experience in programming and
130	Applied life Sciences and Non-Medical Biotechnology	A unified drug discovery platform for protein misfolding diseases	Ethniko Idryma Erevnon		protein misfolding and aggregatic	It is now widely recognize	
131	Applied life Sciences and Non-Medical Biotechnology	Knowledge based design of complex synthetic microbial commur	Eberhard Karls Universitaet T	https://uni-tuebingen.de/en/faculties	microbial communities, communi	Complex microbial comm	microbiology, computational bio
132	Applied life Sciences and Non-Medical Biotechnology	Monoclonal Antibodies with Binding Sensitive To Environmenta	Danmarks Tekniske Universit	http://tropicalpharmacology.com	Antibody discovery; phage displa	Snakebite envenoming is a	Antibody discovery; phage displ
133	Applied life Sciences and Non-Medical Biotechnology	Retooling plant immunity for resistance to blast fungi	The Sainsbury Laboratory	http://www.KamounLab.net	plants pathogens immunity recep	Plant NLR-type immune re	plants pathogens immunity recep
134	Applied life Sciences and Non-Medical Biotechnology	Scents and sensibility in agriculture: exploiting specificity in herb	Universite De Neuchatel		chemical ecology, plant-insect int	Plants typically release lar	chemical ecology, entomology, a
135	Applied life Sciences and Non-Medical Biotechnology	Artificial metabolic cells for biomanufacturing of bio-based chira	Asociacion Centro De Investigacion Cooperativa En Biomateriales- Cic Biomagune			One of the major challenges of sustainable chemistry is exp	
136	Mathematics	Combinatorics with an analytic structure	The Hebrew University Of Jer			Combinatorics, and its inte	
137	Mathematics	Computation and analysis of statistical solutions of fluid flow	Eidgenoessische Technische H		Fluid flows, Statistical solutions,	Entropy (admissible) weak	Fluid dynamics, computation, U
138	Mathematics	Inverse boundary problems: toward a unified theory	Jyvaskylan Yliopisto		Inverse problems, microlocal ana	This proposal is concernec	
139	Mathematics	Loops and groups: Geodesics, moduli spaces, and infinite discret	Kobenhavns Universitet			This proposal lies at the in	
140	Mathematics	Non-local dynamics in incompressible fluids	Agencia Estatal Consejo Super			The goal of this project is t	
141	Mathematics	Wall-Crossing and Algebraic Geometry	The University Of Edinburgh		Algebraic geometry, stability con	We will establish stability c	
142	Mathematics	Quadratic refinements in algebraic geometry	Universitaet Duisburg-Essen		motivic homotopy theory, Gromo	Enumerative geometry, the	expertise in: algebraic geometry,
143	Mathematics	Fibring of manifolds and groups	Universitaet Bielefeld		Fibring of manifolds over the circ	The study of manifolds tha	
144	Mathematics	From Open to Closed Loop Optimal Control of PDEs	Universitaet Graz		optimal control, continuous optin	The proposal addresses so	
145	Mathematics	Stability Conditions, Moduli Spaces and Enhancements	Universita Degli Studi Di Mila	https://sites.google.com/view/stabco	Algebraic geometry, homological	I will introduce new techn	Algebraic geometry, homologica
146	Mathematics	Random Models in Arithmetic and Spectral Theory	Tel Aviv University		number theory, quantum chaos	The proposal studies deter	number theory, quantum chaos
147	Mathematics	Statistical Methods For High Dimensional Diffusions	Aarhus Universitet		high dimensional statistics, diffus	In the past twenty years th	high dimensional statistics, diffu
148	Mathematics	Syzygies, moduli and topological invariants of groups	Humboldt-Universitaet Zu Ber		moduli spaces; algebraic geometr	This is a proposal aimed a	moduli spaces; algebraic geomet
149	Earth System Science	The giant impact and the Earth and Moon formation	Centre National De La Recher	http://moonimpact.eu/	liquids, molecular-dynamics, first	Very little is understood of	statistical physics, liquids, shock
150	Earth System Science	Simulating Non-Equilibrium Dynamics of Atmospheric Multicon	Helsingin Yliopisto	https://wiki.helsinki.fi/display/Simu		Atmospheric aerosol partic	
151	Earth System Science	deTeRmine the trUe dEpth of DeEp subduction from Piezobarom	Universita Degli Studi Di Pavi	https://www.mineralogylab.com/pro	geology; mineral fluid and solid i	Subduction of one tectonic	
152	Earth System Science	Tracking Of Plastic In Our Seas	Universiteit Utrecht	http://topios.org/	marine plastic litter, ocean circul	The amount of plastic in o	ocean modelling, physical ocean

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153	Earth System Science	The unexplored world of aerosol surfaces and their impacts.	Oulun Yliopisto	https://www.oulu.fi/nanomo/surface	atmosphere, aerosols, climate, air	We are changing the comp	surfaces, spectroscopy, thermody
154	Earth System Science	Morphodynamic Stickiness: the influence of physical and biologi	University Of Hull		Sediment, flow, flood	Our coasts, estuaries, & lo	
155	Earth System Science	COMPASS: Climate-relevant Ocean Measurements and Processe	University Of East Anglia	http://compass-erc.eu	ocean science; glider; autonomou	Processes on the Antarctic	oceanographer
156	Earth System Science	Towards Understanding the Impact of Climate Change on Eurasi	Luonnonvarakeskus	https://www.researchgate.net/profile	tree rings, stable isotopes, laser al	The vast boreal forests pla	tree rings, stable isotopes, climat
157	Earth System Science	Mixed-phase clouds and climate (MC2) – from process-level und	Universitetet I Oslo			The importance of mixed-p	
158	Earth System Science	NEw Windown inTO Earth's iNterior	Universita Degli Studi Di Pad	http://147.162.183.167/xampp/newt	geodynamics; seismology; numer	Comprehensive seismic pr	geodynamics; seismology; nume
159	Earth System Science	Tundra biogenic volatile emissions in the 21st century	Kobenhavns Universitet	https://www1.bio.ku.dk/staff/rinnan/	ecosystem-atmosphere interactior	Biogenic volatile organic c	microbial ecology, ecosystem m
160	Earth System Science	Monitoring real faults towards their critical state	Universite Grenoble Alpes		Seismology, seismological detect	The last seismic sequence	Seismology, seismological detec
161	Earth System Science	Robots Explore plankton-driven Fluxes in the marine twIlight zo	Centre National De La Recher			The scientific objective of	
162	Earth System Science	Experimental access to volcanic eruptions: Driving Observational	Ludwig-Maximilians-Universi		geoscience, experimental, materi	The Earth System is impac	geoscience, experimental, mater
163	Earth System Science	New geochemical approach to reconstruct tropical palaeo-atmosp	Universidad Autonoma De Ba		Paleoclimate, Hadley circulation,	Tropical climates are chan	
164	Earth System Science	Global land ice, hydrology and ocean mass trends	University Of Bristol	www.globalmass.eu	sea level rise, geodesy, Bayesian i	Sea level rise will be one c	geodesy, glaciology, oceanograp
165	Earth System Science	Signals from the Surface Snow: Post-Depositional Processes Con	Universitetet I Bergen	https://steenlarsen.w.uib.no/erc-stg-s	Water cycle, water vapor, snow, i	For the past 50 years, our u	
166	Earth System Science	Glacial Legacy on the establishment of evergreen vs. summergre	Alfred-Wegener-Institut Helm	https://www.awi.de/en/science/geos	Vegetation, sedimentary ancient I	Boreal forests provide criti	Vegetation, sedimentary ancient
167	Earth System Science	Chemistry and transport properties of bridgmanite controlling low	Universitaet Bayreuth	https://www.ultralvp.eu/	Earth's interior, lower mantle, hig	Seismic observations impl	
168	Earth System Science	A Genetic View into Past Sea Ice Variability in the Arctic	Norce Norwegian Research C	www.agensi,eu	Paleoceanography, Molecular ecc	Arctic sea ice decline is th	
169	Earth System Science	Methane related iron reduction processes in sediments: Hidden c	Ben-Gurion University Of The			About one-third of annual	
170	Earth System Science	PROgrade metamorphism MOdeling: a new petrochronological a	Universitaet Bern	http://pierre-lanari.com/research-grc	Metamorphism; Petrology; Fluid-	Prograde metamorphism p	Petrology; Aqueous thermodyna
171	Earth System Science	Chasing pre-industrial aerosols	Helsingin Yliopisto		Atmosphere, New particle format	Aerosol particles affect the	
172	Earth System Science	The nanoscale control of reactive fluids on geological processes	Universiteit Utrecht		nanogeosciences, hydrothermal s	Fluid-driven mineral reacti	nanogeoscientist, mineralogist, p
173	Fundamental Constituents of Matter	Time resolved X-ray probing of Matter under Extreme conditions	Imperial College Of Science T		High intensity laser plasma	The unique properties of a	
174	Fundamental Constituents of Matter	Search for electric dipole moments using storage rings	Forschungszentrum Julich Gm		Fundamental Particle Physics, El	One of the great mysteries	Experimental particle physics, ac
175	Fundamental Constituents of Matter	Low Temperature Glassy Systems	Universita Degli Studi Di Rom			Jamming of hard spheres i	
176	Fundamental Constituents of Matter	Modeling the Gravitational Spectrum of Neutron Star Binaries	Friedrich-Schiller-Universitat .		gravitational waves, binary neutrc	The most energetic electro	
177	Fundamental Constituents of Matter	REsummation-Improved moNtecarlo eVEnt geNeraTor	Universita' Degli Studi Di Mila		QCD, Monte Carlo, Resummatio	With the start of the secon	
178	Fundamental Constituents of Matter	The Neutron Electric Dipole Moment: pushing the precision to u	Universite Grenoble Alpes		precision measurement, metrolog	The existence of a perman	low field NMR
179	Fundamental Constituents of Matter	Hyperfine splittings in muonic atoms and laser technology	Paul Scherrer Institut		Laser spectroscopy, muonic atom	The proton radius extracte	laser, optical parametric oscillat
180	Fundamental Constituents of Matter	Quantifying Quantum Gravity Violations of Causality and the Eq	Universiteit Van Amsterdam		black holes, quantum gravity, stri	Quantum gravity must viol	
181	Fundamental Constituents of Matter	Proton strucure for discovery at the Large Hadron Collider	Universita Degli Studi Di Mila	http://n3pdf.mi.infn.it/	LHC, Standard Model, quantum (	The objective of this proje	
182	Fundamental Constituents of Matter	Dynamics of Probed, Pulsed, Quenched and Driven Integrable Q	Universiteit Van Amsterdam		Integrable models, quantum spin	This proposal intends to d	Integrable models, quantum spin
183	Fundamental Constituents of Matter	Quantum nonlinear optics through Rydberg interaction	Syddansk Universitet	nqo.sdu.dk		Optical photons, for all pra	
184	Fundamental Constituents of Matter	Towards the detection of the axion with the International Axion C	Universidad De Zaragoza	gifna.unizar.es/iaxo	axions; dark matter; low bacckgr	The nature of the Dark Un	particle physics detectors; low ba
185	Fundamental Constituents of Matter	Topological Insulator Laser	Technion - Israel Institute Of T		Photonic Topological Insulators,	Triggered by condensed m	
186	Fundamental Constituents of Matter	Engineering and exploring anyonic quantum gases	Universitaet Hamburg	https://www1.physik.uni-hamburg.d	ultracold atoms, quantum simulat	This project enters the exp	ultracold atoms, topological mat
187	Fundamental Constituents of Matter	Neutron-rich, EXotic, heavy nuclei produced in multi-nucleon Tr	Rijksuniversiteit Groningen		Multinucleon transfer reaction; n	The heaviest element whic	experimental nuclear physicist
188	Fundamental Constituents of Matter	Strong Entanglement in Quantum many-body Theory	Universita Degli Studi Di Tren		entanglement, topological order, (	This project addresses a fr	
189	Fundamental Constituents of Matter	Precision Gravity: From the LHC to LISA	Stiftung Deutsches Elektronen		Gravitational Waves, Effective Fi	The nascent field of gravit	
190	Fundamental Constituents of Matter	Yoctosecond imaging of QCD collectivity using jet observables	Universidad De Santiago De C			QCD is the only sector of t	

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191	Fundamental Constituents of Matter	Entanglement Generation in Universal Quantum Dynamics	Ruprecht-Karls-Universitaet H			A paradigm example of pr	
192	Fundamental Constituents of Matter	Automatization of perturbative QCD at very high orders.	Eidgenoessische Technische H			In recent months, we brok	
193	Fundamental Constituents of Matter	In Silico Pair Plasmas: from ultra intense lasers to relativistic astr	Instituto Superior Tecnico	http://epp.ist.utl.pt	Extreme plasma physics, plasma	How do extreme electroma	
194	Fundamental Constituents of Matter	Quantum Emitters in non-conventional baths	Max-Planck-Gesellschaft Zur	https://cordis.europa.eu/project/rcn/	quantum optics, quantum emitter	The coupling of quantum e	quantum emitters, variational me
195	Fundamental Constituents of Matter	Levitated Nanoparticles for Technology and Quantum Nanophysi	King'S College London	https://levi-nano.com/	Optomechanics, Electromechanic	Technology is continuousl	Quantum Technologies, Device
196	Fundamental Constituents of Matter	Many-body theory of antimatter interactions with atoms, molecul	The Queen'S University Of Be		many-body theory for atoms, mol	The ability of positrons to	Theoretical atomic physics, man
197	Fundamental Constituents of Matter	Ultrafast tunneling microscopy by optical field control of quantun	Universite Du Luxembourg		ultrafast	The project aims at imagin	
198	Condensed Matter Physics	INhomogenieties and fluctuations in quantum CohErent matter P	Universita Degli Studi Di Trie	www.inceptproject.eu	Ultrafast, quantum, complex mat	Standard time domain exp	
199	Condensed Matter Physics	Dissecting active matter: Microscopic origins of macroscopic act	Centre National De La Recher	https://cordis.europa.eu/project/rcn/	http://lptms.u-psud.fr/membres/m	Biological motion and forc	
200	Condensed Matter Physics	Electron-lattice-spin correlations and many-body phenomena in 2	Max-Planck-Gesellschaft Zur	https://pc.fhi-berlin.mpg.de/sesd/	2D materials, ultrafast dynamics	Two-dimensional crystalli	
201	Condensed Matter Physics	Frontiers in Phononics: Parity-Time Symmetric Phononic Metam	Universidad Carlos Iii De Mad	phonometa.eu	Topological insulators, metamate	The boost experienced by	Topological insulators, metamat
202	Condensed Matter Physics	The Enigmatic Universality of Glass	Centre National De La Recher	http://uni-glass.eu/	nanomechanics, optomechanics,	The explanation for the dis	
203	Condensed Matter Physics	Modification of Molecular structure Under Strong Coupling to co	Universidad Autonoma De Ma	https://mmuscles.eu	Polaritonic chemistry, molecular	Understanding and control	
204	Condensed Matter Physics	Understanding the speed limits of magnetism	Stockholms Universitet	www.magnetic-speed-limit.eu	ultrafast magnetism, terahertz, x-r	While the origin of magne	
205	Condensed Matter Physics	Microstructured Topological Materials: A novel route towards top	Ecole Polytechnique Federale	https://www.epfl.ch/labs/qmat/	topological semimetal; high magr	Topological semi-metals s	
206	Condensed Matter Physics	New mechanisms and materials for odd-frequency superconducti	Uppsala Universitet	http://materials-theory.physics.uu.se		Odd-frequency supercondu	
207	Condensed Matter Physics	Engineering Topological Phases and Excitations in Nanostructure	Universitat Basel			The main goal of this theo	
208	Condensed Matter Physics	Open dynamics of interacting and disordered quantum systems	The Provost, Fellows, Foundat	https://www.tcd.ie/Physics/research/	Disorder, quantum transport, qua	This research proposal foc	
209	Condensed Matter Physics	Harvesting dark plasmons for surface-enhanced Raman scattering	Freie Universitaet Berlin		nanoplasmonics, surface-enhance	Metal nanostructures show	quantum optics in materials, nan
210	Condensed Matter Physics	Multi-scale mechanics of dynamic leukocyte adhesion	Universite D'Aix Marseille		high-speed atomic force microsco	Leukocytes, white blood c	theoretical physics, molecular dy
211	Condensed Matter Physics	Thermal imaging of nano and atomic-scale dissipation in quantur	Weizmann Institute Of Scienc			Energy dissipation is a fun	
212	Condensed Matter Physics	High resolution X-ray detectors based on nanowire arrays	Lunds Universitet	http://www.sljus.lu.se/staff/jesper-w	x-ray, nanowire, perovskite	In this project I will develo	
213	Condensed Matter Physics	Exploiting Energy Flow in Plasmonic-Catalytic Colloids	Ludwig-Maximilians-Universi		Photocatalysis, Electrocatalysis, F	The aim of CATALIGHT i	Catalysis, Optics, Nanomaterials
214	Condensed Matter Physics	Controlling Ultrafast Heat in Layered materials	Fundacio Institut Catala De Na		2d materials, heat transport, ultra	In this project I propose to	nonlinear optics, thermal transpo
215	Condensed Matter Physics	3D Piezoresponse X-ray Microscopy	Danmarks Tekniske Universite		ferroelectric, multiferroic, piezoel	Polar materials, such as pi	
216	Condensed Matter Physics	Simulated Majorana states	Chalmers Tekniska Hoegskola		topological materials, quantum te	Quantum computation usi	topological materials, quantum t
217	Condensed Matter Physics	ENgineering FrustratiOn in aRtificial Colloidal icEs:degeneracy,	Universitat De Barcelona		Geometric frustration, magnetism	Geometric frustration, nan	Geometric frustration, magnetis
218	Condensed Matter Physics	Vibrating carbon nanotubes for probing quantum systems at the n	University Of Lancaster	http://wp.lancs.ac.uk/laird-group/	Carbon nanotubes, nanomechanic	Many fascinating quantum	
219	Condensed Matter Physics	Revealing the adaptive internal organization and dynamics of bac	Ecole Polytechnique Federale			Bacteria cells appear to b	
220	Condensed Matter Physics	Quantum Plasmomechanics with THz Phonons and Molecular Na	Ecole Polytechnique Federale	https://www.epfl.ch/labs/lqno/resear	molecular vibration, surface-enha	QTONE aims at discoveri	molecular dynamics, ultrafast sp
221	Condensed Matter Physics	Statistics of Exotic Fractional Hall States	Weizmann Institute Of Scienc		FQHE, exotic states, shot noise, t	Since their discovery, Qua	interest in the QHE and in abelia
222	Condensed Matter Physics	Correlated Non-Equilibrium Quantum Matter: Fundamentals and	University College London	https://arijeet1.wixsite.com/arijeetpa	Quantum dynamics, many-body l	Non-equilibrium states of	Quantum many-body physics
223	Condensed Matter Physics	Majorana Fermions in Topological Insulator Platforms	Universitaet Zu Koeln		Majorana fermions, topological s	Majorana fermions were r	device fabrication, dilution refrig
224	Condensed Matter Physics	Photonically fused molecular materials	The University Of Exeter	www.photmat.eu	nanophotonics, molecular photon	Molecular materials are ub	physical chemist
225	Condensed Matter Physics	Three-Dimensional Mapping Of a Single Hydrogen Bond	University Of Leeds		STM, NC-AFM, DFT, surface sci	All properties of matter are	
226	Condensed Matter Physics	Soft Water: understanding what makes a fluid behave like water	University Of Bristol		water, soft matter, coarse graining	Water is the most common	
227	Condensed Matter Physics	Artificial designer materials	Aalto Korkeakoulusaatio Sr			Constructing designer mat	low-temperature scanning tunne
228	Condensed Matter Physics	Quantum Coherent Control: Self–Interference of Electron Beams	Christian-Albrechts-Universita	https://www.fkf.mpg.de/6519164/en	Ultrafast dynamics, Electron-ligh	NanoBeam will develop n	Nanophotonics, Electron micros

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229	Condensed Matter Physics	Nonlinear Optical and Electrical Phenomena in Topological Semi	Weizmann Institute Of Scienc	https://app.dimensions.ai/details/gra		In the past decade, the ban	
230	Condensed Matter Physics	Ultra-sensitive mechanical dissipation in classical, quantum and r	Universitat Basel		Dissipation on the Nanometer Sc	Dissipation spectroscopy:	Nanofriction, Superlubricity exp
231	Condensed Matter Physics	Fundamental and Applied Science using Two Dimensional Angst	The University Of Manchester		angstrom scale capillaries	I will construct and apply	
232	Condensed Matter Physics	Moving around without a brain: Evolution of basal cognition in s	The University Of Exeter		biophysics, cell motility, cilia, ba	Even unicellular organism	biophysicist, biological physicist
233	Physical and Analytical Chemical Sciences	Biocompatible and Interactive Artificial Micro- and Nanoswimm	Goeteborgs Universitet	http://www.softmatterlab.org/	Microswimmers, Active matter, S	Microswimmers, i.e., biolo	Microswimmers, Active matter,
234	Physical and Analytical Chemical Sciences	High throughput mass spectrometry of single proteins in liquid en	Agencia Estatal Consejo Supe	https://ercliquidmass.eu	optomechanics, nanomechanics,	Although mass spectromet	physics, chemistry, nanotechnolo
235	Physical and Analytical Chemical Sciences	Coherent multidimensional spectroscopy of controlled isolated sy	Albert-Ludwigs-Universitaet F	www.nanophysics.uni-freiburg.de		Fundamental quantum me	
236	Physical and Analytical Chemical Sciences	Ultrasensitive Chirped-Pulse Fourier Transform mm-Wave Detec	Universite De Rennes I	https://ipr.univ-rennes1.fr/cresuchir	laboratory astrophysics, astrocher	This proposal aims to deve	gas phase chemical kinetics, rota
237	Physical and Analytical Chemical Sciences	Persistent and Transportable Hyperpolarization for Magnetic Res	Universite Lyon 1 Claude Ber	http://hmrlab.eu	NMR, DNP, hyperpolarization,	Magnetic resonance imagi	
238	Physical and Analytical Chemical Sciences	Illuminating Atomic Scale Processes in Liquids and Gases	The University Of Manchester		Transmission electron microscop	EvoluTEM: Illuminating A	
239	Physical and Analytical Chemical Sciences	Trans-Spin NanoArchitectures: from birth to functionalities in ma	Univerzita Karlova		magnetism, spin, two-dimensiona	Control over electrons in n	condensed matter physicists with
240	Physical and Analytical Chemical Sciences	Boosting Photovoltaic Performance by the Synergistic Interaction	Universitat Jaume I De Castell			Photovoltaic conversion h	Perovskite; Solar cells; LEDs
241	Physical and Analytical Chemical Sciences	Probing chemical dynamics at surfaces with ultrafast atom pulses	Max-Planck-Gesellschaft Zur			Ultra-short light pulses ha	
242	Physical and Analytical Chemical Sciences	Single-molecule spectroscopy of coordinated motions in allosteri	Weizmann Institute Of Scienc	www.weizmann.ac.il/chemphys/cfh	Protein dynamics; single-molecul	Critical for the function of	
243	Physical and Analytical Chemical Sciences	Accuracy and precision for molecular solids	Univerzita Karlova	http://quantum.karlov.mff.cuni.cz/~j	quantum chemistry, molecular so	The description of high pr	
244	Physical and Analytical Chemical Sciences	Electrically Tunable Functional Lanthanide Nanoarchitectures on	Fundacion Imdea Nanociencia	www.ecijalab.com	Surface Science; STM; nc-AFM	Lanthanide metals are ubi	Surface Science, STM, nc-AFM,
245	Physical and Analytical Chemical Sciences	Attosecond X-ray spectroscopy of liquids	Eidgenoessische Technische H	www.atto.ethz.ch	attosecond, liquids, photoelectron	Charge and energy transfe	
246	Physical and Analytical Chemical Sciences	Nuclear magnetic resonance spectroscopy of liquid-liquid phase s	Deutsches Zentrum Fur Neuro		Liquid-liquid phase separation, N	Liquid-liquid phase separa	
247	Physical and Analytical Chemical Sciences	Structural mechanism coupling the reduction of oxygen to proton	Goeteborgs Universitet		membrane proteins, time-resolve	Every breath you take deli	
248	Physical and Analytical Chemical Sciences	High Definition Electron Microscopy: Greater clarity via multidir	Universiteit Antwerpen	https://www.uantwerpen.be/en/staff	Advanced electron microscopy	Atomic resolution microsc	
249	Physical and Analytical Chemical Sciences	Kinetics and Dynamics at Surfaces	Max-Planck-Gesellschaft Zur			This proposal implements	Ion Imaging the Kinetics and Dy
250	Physical and Analytical Chemical Sciences	A New Strategy for Vibronic Spectroscopy of Radicals	Ben-Gurion University Of The		laser spectroscopy, radicals	This proposal aims to deve	laser spectroscopy, radicals
251	Physical and Analytical Chemical Sciences	A DNA NANOtechology toolkit for artificial CELL design	Imperial College Of Science T		DNA Nanotechnology, Synthetic	Bottom-up synthetic biolo	DNA Nanotechnology, Soft Mat
252	Physical and Analytical Chemical Sciences	Theoretical Chemistry of Unbound Electrons	Ludwig-Maximilians-Universi	http://jagau.cup.uni-muenchen.de/re	quantum chemistry, electronic str	T-CUBE aims at the theor	
253	Physical and Analytical Chemical Sciences	Towards Nanostructured Electrocatalysts with Superior Stability	Kemijski Institut		electrocatalysis, platinum, iridium	In the last decades, signific	Kinetic Monte Carlo simulation,
254	Physical and Analytical Chemical Sciences	Cold Atmospheric Molecules on a Chip	University College London	https://www.ucl.ac.uk/amopp/peopl	Rydberg states; cold molecules; e	Highly excited electronic s	molecular structure and dynamic
255	Physical and Analytical Chemical Sciences	Quantum Spectroscopy: exploring new states of matter out of equ	Max-Planck-Gesellschaft Zur	https://www.mpsd.mpg.de/research/		This project addresses the	
256	Physical and Analytical Chemical Sciences	Efficient Photoelectrochemical Transformation of CO2 to Useful	Szegedi Tudomanyegyetem	www.elchem.hu	co2 reduction, photoelectrochemi	Given that CO2 is a greenl	chemical engineering, finite elen
257	Physical and Analytical Chemical Sciences	Discovering new Catalysts in the Cluster-Nanoparticle Transition	Danmarks Tekniske Universite			The purpose of this propos	
258	Physical and Analytical Chemical Sciences	High spatial resolution mapping of catalytic reactions on single na	The Hebrew University Of Jer			Catalytic nanoparticles are	
259	Physical and Analytical Chemical Sciences	Metal Ions Dynamic Nuclear Polarization:Novel Route for Probir	Weizmann Institute Of Scienc		DNP, solid state NMR, paramagn	Materials with specific ele	solid state chemistry, material ch
260	Physical and Analytical Chemical Sciences	Chemical Control of Vibronic Coupling for Magnetic Materials	The University Of Manchester		Computational Chemistry, Molec	The applicant has an outst	
261	Synthetic Chemistry and Materials	Unconventional Bifunctional Catalysts	Universidad Autonoma De Ma	www.uam.es/jose.aleman	Catalysis, Photocatalysis, Organo	The development of sustai	
262	Synthetic Chemistry and Materials	Gain by Strain: Precise Cuts of Cyclopropanes as Key to Molecul	Technische Universitaet Braur	www.werzlab.de	cyclopropane; organic methodolo	A central discipline of che	
263	Synthetic Chemistry and Materials	Lanthanides as electron Dimmer switch in organometallic catalys	Centre National De La Recher		Lanthanides, redox non-innocent	Complexes containing red	Lanthanides
264	Synthetic Chemistry and Materials	Vapor deposition of crystalline porous solids	Katholieke Universiteit Leuve			Metal-organic frameworks	
265	Synthetic Chemistry and Materials	Stable and High-Efficiency Perovskite Light-Emitting Diodes	Linkopings Universitet		Perovskites; LEDs; photophysics	Light-emitting diodes (LE	
266	Synthetic Chemistry and Materials	Atomic precision materials engineering	Universitat Wien	https://www.mostlyphysics.net/erc	electron microscope, atom manip	Despite more than fifty ye	transmission electron microscop

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267	Synthetic Chemistry and Materials	Cooperative Catalysis: Using Interdisciplinary Chemical Systems	Agencia Estatal Consejo Supe	http://jcamposgroup.iiq.us-csic.es/	orgnometallic chemistry, coopera	Catalysis, a multidisciplina	organometallic chemistry
268	Synthetic Chemistry and Materials	Life-like Supramolecular Materials based on Reaction Cycles wit	Centre International De Reche	Www.hermanslab.com	Non-equilibrium, supramolecular	This “Life-Cycle” ERC pr	Supramolecular, microfluidics, r
269	Synthetic Chemistry and Materials	Stereoretentive-Enantioconvergent Catalysis: A New Concept in	The University Of Edinburgh	https://erc.europa.eu/projects-figure	enantioconvergent catalysis, asyn	This project will experime	
270	Synthetic Chemistry and Materials	Engineering the Biointerface of Nanowires to Direct Stem Cell D	King'S College London	http://chiappinilab.com	nanomedicine, biomaterials, drug	ENBION will engineer a p	
271	Synthetic Chemistry and Materials	Chemotactic Super-Selective Targeting of Gliomas	University College London		Glioma, Brain, drug delivery, acti	I propose here a research p	
272	Synthetic Chemistry and Materials	Dynamic Activatable Fluorophores	The University Of Edinburgh	www.dynafluors.co.uk	Imaging, fluorescent probes, imm	In DYNAFLUORS I will c	Organic chemistry, optical imagi
273	Synthetic Chemistry and Materials	Engineered Protein Nanosheets at Liquid-Liquid Interfaces for St	Queen Mary University Of Lo	http://biointerfaces.qmul.ac.uk/	Soft Matter, Nanomaterials, Stem	A long standing dogma in	Physico-chemistry, Soft Matter,
274	Synthetic Chemistry and Materials	Electrical control of magnetism in multiferroic 2D materials	Universitat De Valencia	www.crisol-lab.com		The avenue of magnetism	
275	Synthetic Chemistry and Materials	Reversible Creation of Non-Inherent Reactivity Patterns in Cataly	Centre International De Reche			Current methods in organi	
276	Synthetic Chemistry and Materials	Living on the Edge: Tunable Electronics from Edge Structures in	Technische Universiteit Delft	http://conesabojlab.tudelft.nl/	Layered materials, low-dimensior	One of the driving forces c	
277	Synthetic Chemistry and Materials	Advanced biohybrid lighting and photovoltaic devices	Fundacion Imdea Materiales			InOutBioLight aims to des	
278	Synthetic Chemistry and Materials	New Horizons in C–H Activation: the ‘Real-World Molecules’ C	The University Of Manchester		Homogeneous catalysis; C-H acti	A 2018 joint report from p	
279	Synthetic Chemistry and Materials	Topological Crystalline Insulator Nanowires	Technische Universiteit Eindh		Nanowire, Majorana, Topologica	The key challenge in quan	nanowire growth, crystal growth
280	Synthetic Chemistry and Materials	Light driven hybrid nanocrystal TMDC capacitors	Fondazione Istituto Italiano Di			Sunlight is an intermittent	
281	Synthetic Chemistry and Materials	Tailoring Ylidic Compounds as Ligands for Organometallic Cher	Ruhr-Universitaet Bochum	https://www.ruhr-uni-bochum.de/ac	homogenous catalysis - main grou	Lewis bases are a fundame	Organometallic chemistry
282	Synthetic Chemistry and Materials	Layered functional materials - beyond 'graphene'	Humboldt-Universitaet Zu Ber	http://bojdyslab.org/	semiconducting polymers, covale	There is an apparent lack c	
283	Synthetic Chemistry and Materials	Building Precise Molecular Architectures to Unlock Remarkable	The University Of Manchester	https://erc.europa.eu/projects-figure	chemistry; synthesis; inorganic; o	The astonishing properties	chemistry; synthesis; inorganic;
284	Synthetic Chemistry and Materials	Exploring the Limits of High Potential OxidizersPrediction, Valid	Freie Universitaet Berlin			The very well-known conc	
285	Synthetic Chemistry and Materials	Supramolecular machineries with life-like mechanical functions	Universiteit Twente		chemo-mechanical transduction,	Artificial molecular motor	
286	Synthetic Chemistry and Materials	Supramolecular engineering of glycan-decorated peptides as synt	Johannes Gutenberg-Universit	https://www.ak-besenius.chemie.uni		The main and most import	
287	Synthetic Chemistry and Materials	Delivery and On-Demand Activation of Chemically Synthesized a	Technion - Israel Institute Of T	https://ashrafbrik.technion.ac.il/erc-2		While advanced molecular	
288	Synthetic Chemistry and Materials	Helically-Locked π-Conjugated Oligomers and Polymers with Tu	The Hebrew University Of Jer			The performance of organi	
289	Synthetic Chemistry and Materials	Hybrid Electrocatalysts Inspired by the Nitrogenase Enzyme	Eidgenoessische Technische H		N2 reduction; electrochemistry; c	Artificial nitrogen reductio	
290	Computer Science and Informatics	Automated Program Analysis for Advanced Web Applications	Aarhus Universitet	http://casa.au.dk/	program analysis, automated testi	Web applications that exec	
291	Computer Science and Informatics	Allocation Made PracticaL	Technische Universitat Berlin		resource allocation, social choice	Allocation Made PracticaL	resource allocation, social choic
292	Computer Science and Informatics	Securing Software against Physical Attacks	Technische Universitaet Graz		cybersecurity, processors, side ch	More than 15 years ago, se	
293	Computer Science and Informatics	Principles of Graph Data Integration	Universite De Fribourg	https://exascale.info/graphint-projec	Graph Data; Graph Embeddings;	The present proposal tackl	
294	Computer Science and Informatics	Unified Principles of Interaction	Universite Paris-Sud	http://erc.one	Human-Computer Interaction	Most of today’s computer	Human-Computer Interaction
295	Computer Science and Informatics	Perceptual encoding of high fidelity light fields	The Chancellor Masters And S	https://www.cl.cam.ac.uk/~rkm38/	computational displays; computer	One of the grand challenge	
296	Computer Science and Informatics	Common Interactive Objects	Aarhus Universitet			In CIO, common interactiv	
297	Computer Science and Informatics	Large-Scale Formal Proof for the Working Mathematician	The Chancellor Masters And S	https://www.cl.cam.ac.uk/~lp15/Gra	Interactive theorem proving, form	Mathematical proofs have	Mathematician, physicist
298	Computer Science and Informatics	Measuring with no tape	Danmarks Tekniske Universite		Machine Learning; Differential G	Society generates increasir	Statistics; machine learning; mat
299	Computer Science and Informatics	Accelerating Neuroscience Research by Unifying Knowledge Rep	Institut National De Recherche			Neuroscience is at an infle	Neuroscience, Logic programmi
300	Computer Science and Informatics	Decentralized Blockchain-based Organizations for Bootstrapping	Universidad Complutense De	https://p2pmodels.eu	collaborative economy, blockchai	The Collaborative Econom	postdoc, interdisciplinary researc
301	Computer Science and Informatics	Closing the 4D Real World Reconstruction Loop	Max-Planck-Gesellschaft Zur			4D reconstruction, the can	
302	Computer Science and Informatics	A Grand Unified Theory of Decidability in Logic-Based Knowlec	Technische Universitaet Dresd		knowledge representation, logic,	Logic-based knowledge re	
303	Computer Science and Informatics	Towards Unification of Algorithmic Tools	Uniwersytet Warszawski	http://tugboat.mimuw.edu.pl/	algorithms, online algorithms, gra	Over last 50 years, extensi	
304	Computer Science and Informatics	Manipulating Acoustic wavefronts using metamaterials for novel	The University Of Sussex	http://interact-lab.com/	Human-computer interaction; cor	In this project we will leve	

编号	领域	项目名称	依托单位	网页介绍	关键词	摘要	人员要求
305	Computer Science and Informatics	Algorithmic and Mechanism Design Research in Online MArkets	Universita Degli Studi Di Rom	https://sites.google.com/a/uniroma1.	Algorithmic Mechanism Design,	Online markets currently f	Algorithmic Mechanism and Ma
306	Computer Science and Informatics	Energy-optimized Symmetric Cryptography by Algebraic Duality	Stichting Katholieke Universit		symmetric cryptography	The main scientific contrit	real world relevance
307	Computer Science and Informatics	Discrete harmonic analysis for computer science	Technion - Israel Institute Of T		Computational complexity, Boole	Boolean function analysis	
308	Computer Science and Informatics	A Theory-Oriented Real-Time Operating System for Temporally	Max-Planck-Gesellschaft Zur I		real-time operating system, real-ti	The TOROS project target	Coq, stochastic response-time ar
309	Computer Science and Informatics	Perceptually-Driven Optimizations of Graphics Content for Nove	Universita Della Svizzera Itali			Displays play a vital role ir	
310	Computer Science and Informatics	Certified Quantum Security	Tartu Ulikool	https://cordis.europa.eu/project/rcn/.	quantum cryptography, formal ve	Digital communication pe	quantum cryptography, formal ve
311	Computer Science and Informatics	Lossy Preprocessing	Universitetet I Bergen			A critical component of cc	
312	Computer Science and Informatics	Knowledge Graph based Representation, Augmentation and Expl	Gottfried Wilhelm Leibniz Un	https://projects.tib.eu/orkg/sciencegi	knowledge graphs, scholarly com	Despite an improved digit	knowledge graphs, scholarly com
313	Computer Science and Informatics	White-Box Self-Programming Mechanisms	Universita Degli Studi Di Rom	https://www.diag.uniroma1.it/~degi	Planning in AI, Knowledge Repr	We are witnessing an incr	Planning in AI, Knowledge Repr
314	Computer Science and Informatics	Science and technology for the explanation of AI decision making	Consiglio Nazionale Delle Ric	http://www.sobigdata.eu/exploratori	Explainable Machine Learning, f	A wealthy friend of mine a	Deep learning expert or inductiv
315	Computer Science and Informatics	Privacy and Utility Allied	Institut National De Recherche	https://project.inria.fr/hypatia/	Privacy, Differential Privacy, Loc	With the ever-increasing u	Privacy, Differential Privacy, Lo
316	Computer Science and Informatics	Safe and Complete Algorithms for Bioinformatics	Helsingin Yliopisto		bioinformatics, high-throughput s	Many real-world problems	
317	Computer Science and Informatics	Verification-Aware Programming Language Concurrency Seman	Tel Aviv University		Weak-memory, concurrency, sem	With the proliferation of m	
318	Computer Science and Informatics	Learning to Find Software Bugs	Universitaet Stuttgart	http://software-lab.org/	Deep learning, program analysis,	Learning to Find Software	Deep learning, program analysis
319	Computer Science and Informatics	Power to the People. Verified.	Universitat Des Saarlandes	https://www.powver.org/	quantitative verification for syste	Twenty years ago we were	quantitative verification for syste
320	Computer Science and Informatics	InteractiveSkin: Digital Fabrication of Personalized On-Body Use	Universitat Des Saarlandes		Human-Computer Interaction; W	User interfaces are moving	
321	Computer Science and Informatics	Distributed and Dynamic Graph Algorithms and Complexity	Kungliga Tekniska Hoegskola	https://sites.google.com/site/dannan	Graph algorithms, Complexity, D	This project aims to (i) res	
322	Computer Science and Informatics	Deep Learning Theory: Geometric Analysis of Capacity, Optimiz	Max-Planck-Gesellschaft Zur I	https://cordis.europa.eu/project/rcn/	Deep Learning, Geometry, Optim	Deep Learning is one of th	Mathematics, Graphical Models,
323	Computer Science and Informatics	Exploring Relations in Structured Data with Functional Maps	Ecole Polytechnique	http://www.lix.polytechnique.fr/~ma	3d shape analysis,shape correspo	We propose to lay the theo	Applied Mathematics,Computer
324	Computer Science and Informatics	Anticipatory Human-Computer Interaction	Universitaet Stuttgart	https://perceptualui.org/	Computational Theory of Mind, C	Even after three decades o	Human-Computer Interaction, C
325	Computer Science and Informatics	Information Extraction for Everyone	Bar Ilan University		natural language processing; info	Staggering amounts of infc	
326	Computer Science and Informatics	Customizable Embedded Real-Time Systems: Challenges and K	Uppsala Universitet		Design and Update, Embedded ar	Today, many industrial pro	Embedded Systems Design, Rea
327	Computer Science and Informatics	Learning Generative 3D Scene Models for Training and Validatir	Eberhard Karls Universitaet T	https://avg.is.tuebingen.mpg.de/	computer vision, 3d deep learnin	Recently, the field of comp	computer vision, 3d deep learnir
328	Computer Science and Informatics	Code Sanitization for Vulnerability Pruning and Exploitation Mit	Ecole Polytechnique Federale		computer science, software secur	Despite massive efforts in	software security, system securit
329	Computer Science and Informatics	Advanced Reasoning in Arithmetic Theories	University College London	www.cs.ucl.ac.uk/staff/C.Haase/pro	logic in computer science, arithm	Arithmetic theories are log	
330	Systems and Communication Engineering	Hybrid Digital-Analog Networking under Extreme Energy and La	Imperial College Of Science T	http://www.imperial.ac.uk/informati	wireless communications, machir	The objective of the BEAC	wireless communications, machi
331	Systems and Communication Engineering	Analysis and control of large scale heterogeneous networks: scala	The Chancellor Masters And S		control, networks, power systems	The proposed research wil	
332	Systems and Communication Engineering	A Bidirectional MyoKinetic Implanted Interface for Natural Cont	Scuola Superiore Di Studi Uni	http://www.mykierc.eu/	prosthetics, magnetic fields, hum	MYKI aims at developing	
333	Systems and Communication Engineering	Microtechnology and integrated microsystems to investigate neur	Eidgenoessische Technische H	https://cordis.europa.eu/project/rcn/.	CMOS microelectrode arrays, sut	To advance knowledge in	neuronal network analysis, comp
334	Systems and Communication Engineering	Post-Cellular Wireless Networks	Universidad Pompeu Fabra		Wireless communications, wirele	POSTCELL aims at laying	
335	Systems and Communication Engineering	A new concept for ultra-high capacity wireless networks	Universiteit Gent	http://atto.ugent.be	wireless communications, radio o	The project will address th	strong experience in the field (le
336	Systems and Communication Engineering	Structured nonlinear Metamaterials for efficient generation and A	Tel Aviv University		metasurfaces, nonlinear optics, T	The terahertz optical regin	
337	Systems and Communication Engineering	Towards programmable cyber-physical systems: a symbolic contr	Centre National De La Recher	https://sites.google.com/site/antoine	Control, cyber-physical systems, I	Cyber-physical systems (C	
338	Systems and Communication Engineering	FOG-aided wireless networks for communication, cacHing and c	King'S College London	https://nms.kcl.ac.uk/osvaldo.simeo	information theory, wireless com	The FOGHORN project ai	
339	Systems and Communication Engineering	Spatiotemporal multimode complex optical systems	Universita Degli Studi Di Rom	https://sites.google.com/view/erc-ste	nonlinear optics; optical fibers; o	The STEMS project is abo	
340	Systems and Communication Engineering	Universal microwave photonics programmable processor for sear	Universitat Politecnica De Val		integrated optics, microwave pho	Information and communi	integrated photonics, silicon pho
341	Systems and Communication Engineering	Tunable optoelectronic devices by strain engineering of 2D semic	Agencia Estatal Consejo Supe	https://sites.google.com/view/2d-top	2D materials, strain engineering,	The goal of 2D-TOPSENS	nanofabrication, devices, photod
342	Systems and Communication Engineering	Memristive In-Memory Processing System	Technion - Israel Institute Of T		memristor, processing-in-memor	Our project aims to develo	computer engineering

编号	领域	项目名称	依托单位	网页介绍	关键词	摘要	人员要求
343	Systems and Communication Engineering	Analysis and synthesis of wideband scattered signals from finite-s	Institut Polytechnique De Gren	https://www.scattererid.eu/	RF, RCS, backscattering, scattere	The need for information i	RF and machine learning
344	Systems and Communication Engineering	Contextualizing biomolecular circuit models for synthetic biology	Technische Universitat Darms		synthetic biology, synthetic circui	Synthetic biology is the bo	biology, biophysics, physics, bio
345	Systems and Communication Engineering	Network Motion	Institut National De Recherche	https://project.inria.fr/ercnemo/	Stochastic geometry, point proces	NEMO, NEtwork MOtion,	Stochastic geometry, point proce
346	Systems and Communication Engineering	New Frontiers in Nanophotonics: Integrating Complex Beams an	King'S College London	www.nano-optics.org.uk	metasurfaces, vector beams, polar	Complex, structured optica	metasurfaces, vector beams , pol
347	Systems and Communication Engineering	Multimode light shaping: from optical fibers to nanodevices	University Of Southampton			The project MODES arises	Theoretical and computational n
348	Systems and Communication Engineering	Modelling the neuromusculoskeletal system across spatiotempora	Universiteit Twente		neuro-mechanics; neuromusculos	Neurological injuries such	spinal cord stimulation; spinal n
349	Systems and Communication Engineering	Integrated Implant Technology for Multi-modal Brain Interfaces	The University Of Sheffield	https://www.europeandissemination	bioelectronics, implants, 3D print	Bioelectronic medicine ma	
350	Systems and Communication Engineering	Communication Using the Nonlinear Fourier Transform	Institut Mines-Telecom			High-speed optical fiber n	Information theory, communicat
351	Systems and Communication Engineering	Ultrahigh-speed nanometer-scale microscopy	Technion - Israel Institute Of T	https://oren.net.technion.ac.il/	ultrahigh-speed microscopy, high	Ultrahigh-speed microscop	
352	Systems and Communication Engineering	Advanced Signal Processing Technologies for Wireless Powered	University Of Cyprus		wireless communications, SWIPT	Wireless power transfer (W	
353	Systems and Communication Engineering	Chip-Scale Self-Referenced Optical Frequency Comb Sources	Danmarks Tekniske Universite		integrated nonlinear optics; frequ	As a Nobel-honored techn	soliton comb generation; self-ref
354	Systems and Communication Engineering	Scale-Free Control for Complex Physical Network Systems	Centre National De La Recher	http://scale-freeback.eu/	control, large scale networks, scal	Technology achievements	control system edudation and/or
355	Systems and Communication Engineering	Neuromorphic Electronic Agents: from sensory processing to aut	Universitat Zurich	https://www.ini.uzh.ch/en/research/	neuromorphic, spiking, neural, le	Neural networks and deep	learning, plasticity, memristor, c
356	Systems and Communication Engineering	Advanced Analytics to Empower the Small Flexible Consumers o	Universidad De Malaga	https://groupoasysflexanalytics.readt	Smart grid, data-driven optimizat	David against Goliath: Co	Mathematical programming, opt
357	Systems and Communication Engineering	Optoelectronic of narrow band gap nanocrystals	Centre National De La Recher		optoelectronic, nanocrystal, infra	Over the past decades, sili	
358	Systems and Communication Engineering	Fundamentals of the Nonlinear Optical Channel	Technische Universiteit Eindh	https://www.sps.tue.nl/ictlab/project	fiber optical communications, inf	Fibre optics are critical inf	fiber optical communications, in
359	Systems and Communication Engineering	Printable Electronics on Paper through 2D materials based inks	Universita Di Pisa	https://www.pep2d.eu/	2D materials, printable Electronic	The vision behind the PEP	2D materials, fabrication, charac
360	Systems and Communication Engineering	Controlling evolutionary dynamics of networked autonomous age	Rijksuniversiteit Groningen		complex networks, evolutionary d	Large-scale technological,	
361	Systems and Communication Engineering	Game theoretic Control for Complex Systems of Systems	Technische Universiteit Delft	https://sites.google.com/site/gramm	Game theory, Distributed optimiz	Modern society is based or	
362	Systems and Communication Engineering	Label-free 3D morphological nanoscopy for studying sub-cellular	Universitetet I Tromsoe - Norg	3dnanoscopy@uit.no	Microscopy, label-free, nanoscop	Label-free optical nanosco	Inverse problems, live cell imagi
363	Systems and Communication Engineering	Automated Synthesis of Cyber-Physical Systems: A Composition	Ludwig-Maximilians-Universi		Cyber-physical systems, Automat	Embedded Control softwa	Control Theory, Formal Method
364	Systems and Communication Engineering	Medium Voltage Direct Current Electronic Transformer	Ecole Polytechnique Federale		power electronics, magnetics, sen	More than a century ago, t	power electronics
365	Systems and Communication Engineering	Acousto-Magnetic Micro/Nanorobots for Biomedical Application	Eidgenoessische Technische H	https://erc.europa.eu/sites/default/fil	Ultrasound, Photoacoustic, Acou	Micro/nanorobots can tran	Acoustic simulation, Fluid dynar
366	Products and Processes Engineering	Control for Orbit Manoeuvring through Perturbations for Applica	Politecnico Di Milano	www.polimi.it	space debris, near Earth asteroids	Space benefits mankind th	numerical modelling, dynamical
367	Products and Processes Engineering	Monitoring bone healing around endosseous implants: from mult	Centre National De La Recher		Biomechanics, acoustics, mechan	Implants are often employ	Biomechanics, acoustics, mecha
368	Products and Processes Engineering	Electro-motion for the sustainable recovery of high-value nutrien	Wageningen University	www.louisdesmet.nl	ion selectivity, polymers, capaciti	Current water treatment te	chemical selectivity, polyelectrol
369	Products and Processes Engineering	Correlative tomography	The University Of Manchester			Proposal summary (half pa	
370	Products and Processes Engineering	Three-dimensional nanoelectrochemical systems based on low-co	Fundacio Institut Catala De Re	electron4water.com	development of nanostructures el	The ever-increasing envirc	material science, environmental
371	Products and Processes Engineering	VAlidation driven DEvelopment of Modern and Efficient COMb	Universite Libre De Bruxelles	www.vademecom.eu	Combustion modelling, optimisat	Combustion science will p	Machine learning and reduced-o
372	Products and Processes Engineering	Precise and smart nanoengineered surfaces: Impact resistance, ic	University College London	https://cordis.europa.eu/project/rcn/.	smart surfaces, superhydrophobic	Water freezing (icing) and	Exceptional chemists, material s
373	Products and Processes Engineering	Unraveling Interdiffusion Effects at Material Interfaces -- Learnin	Katholieke Universiteit Leuve	https://www.mtm.kuleuven.be/Onde	microstructure simulations; tenso	Multi-materials, combinin	
374	Products and Processes Engineering	Applying silicon solar cell technology to revolutionize the design	Interuniversitair Micro-Electro			Thin film (TF) photovoltai	
375	Products and Processes Engineering	Nanophosphor-based photonic materials for next generation light	Agencia Estatal Consejo Supe	http://nanophom.eu/		Energy-efficient and envirc	
376	Products and Processes Engineering	When solids become liquids: natural deep eutectic solvents for ch	Nova Id Fct - Associacao Para			Sugars, aminoacids or orga	
377	Products and Processes Engineering	Superslippery Liquid-Repellent Surfaces	Aalto Korkeakoulusaatio Sr	http://physics.aalto.fi/smw/	superhydrophobic, liquid-repeller	I aim to progress substanti	
378	Products and Processes Engineering	Design of NanoMOFs Capsules for Drug Delivery and Bioimagin	The Chancellor Masters And S	http://aam.ceb.cam.ac.uk/	Metal-organic frameworks; MOF	Cancer is a major health p	
379	Products and Processes Engineering	Diffusive Droplet Dynamics in multicomponent fluid systems	Universiteit Twente			Liquid-liquid extraction - t	
380	Products and Processes Engineering	SPD nanostructured magnets with tuneable properties	Oesterreichische Akademie De	https://www.oeaw.ac.at/esi/research		The decrease of weight an	

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381	Products and Processes Engineering	Controlling earthQuakes	Ecole Nationale Des Ponts Et	coquake.eu		According to the Centre fo	
382	Products and Processes Engineering	Computational modelling for personalised treatment of congenita	University College London		patient specific computational mo	Craniosynostosis is a grou	
383	Products and Processes Engineering	Opening a new route in solid mechanics: Printed protective struct	Universidad Carlos Iii De Mac	https://www.nonsolmecgroup.com/	Solid Mechanics, Printed Materia	Dynamic fragmentation of	Analytical Mechanics, Computat
384	Products and Processes Engineering	REsponsive theranostic nanosystems for Advanced Cancer Treatr	The Provost, Fellows, Foundat	https://www.tcd.ie/research/profiles/	drug delivery systems; triggered r	REACT aims to dramatica	
385	Products and Processes Engineering	A Multiscale Dislocation Language for Data-Driven Materials Sc	Technische Universitaet Berga		machine learning, materials scien	Crystalline defects in meta	
386	Products and Processes Engineering	'If immortality unveil…'– development of the novel types of ener	Politechnika Poznanska		energy storage, supercapacitors, e	The major goal of the proj	
387	Products and Processes Engineering	Deformation Mechanisms are the Key to Understanding and Tayl	Karlsruher Institut Fuer Techn		Materials, Tribology, Friction, Da	Tribology, the science of ir	
388	Products and Processes Engineering	Multifunctional Digital Materials Platform for Smart Integrated A	Universidade Nova De Lisboa	not yet available, see the PI group p	advanced materials for device ap	DIGISMART creates new	materials science with experienc
389	Products and Processes Engineering	predictinG EaRthquakES induced by fluid injecTion	Agencia Estatal Consejo Supe	www.georest.eu	induced seismicity, fault reactivat	Fluid injection related to u	civil engineering, mathematics,
390	Products and Processes Engineering	Bacterial biofilms in porous structures: from biomechanics to cor	Centre National De La Recher	http://yohan-davit.com/	bioengineering, biophysics, fluid	The key ideas motivating t	
391	Products and Processes Engineering	Universal Equilibrium and Beyond - Challenging the Richardson-	Danmarks Tekniske Universite	http://www.trl.mek.dtu.dk/erc-unieq	Turbulence, mathematical analysi	Turbulence is at a crossroa	Strong mathematical or experim
392	Products and Processes Engineering	Superelastic Porous Structures for Efficient Elastocaloric Cooling	Univerza V Ljubljani	https://cordis.europa.eu/project/rcn/	elastocaloric effect; cooling; shap	Cooling, refrigeration and	elastocaloric effect; cooling; sha
393	Products and Processes Engineering	PrOcess intensification and innovation in olefin ProducTIon by M	Universiteit Gent		process intensification, CFD, ope	New manufacturing techni	process intensification, CFD, op
394	Products and Processes Engineering	Hetero-structures for Efficient Luminescent Devices	Universitat De Valencia		Perovskite semiconductor, lumin	We propose to engineer st	Vacuum deposition, atomic laye
395	Products and Processes Engineering	Particles-on-Demand for Multiscale Fluid Dynamics	Eidgenoessische Technische H		fluid dynamics; turbulence; lattic	Computational fluid dynar	fluid dynamics; kinetic theory; st
396	Products and Processes Engineering	Multiscale Magnetic Models for Emerging Energy Conversion Ap	Tampereen Korkeakoulusaatic	https://www.tuni.fi/en/news/models-	computational electromagnetics,	About 30 % of all the elec	computational electromagnetics,
397	Products and Processes Engineering	Resource efficient bio-chemical production and waste treatment	Aarhus Universitet			The REBOOT project will	
398	Products and Processes Engineering	A new paradigm to re-engineering printed composites	Politecnico Di Torino	http://www.pre-eco.eu/		Additive manufacturing ar	
399	Products and Processes Engineering	Penetrating microjets in soft substrates: towards controlled needl	Universiteit Twente	http://www.bubble-gun.eu	cavitation, needle-free injection, j	The needle-free delivery o	
400	Products and Processes Engineering	Deconstructing and rebuilding the evolution of cell and tissue m	Technische Universiteit Eindh		cell-material interactions	Cells in our body are exce	
401	Products and Processes Engineering	Crafting Complex Hybrid Materials for Sustainable Energy Conv	Universiteit Twente			With an unprecedented ris	
402	Products and Processes Engineering	Microscale Processes Governing Global Sustainability	Heriot-Watt University		reactive transport, flow in porous	Reactive transport modelli	
403	Products and Processes Engineering	In Vivo Single-Cell Mechanomics of Bone Adaptation and Reger	Eidgenoessische Technische H		Bone, Osteoporosis, Fracture, Me	Osteoporosis, one of the m	omics, bioinformatics, next gene
404	Products and Processes Engineering	Catalytic Dual-Function Devices Against Cancer	Universidad De Zaragoza		new oncology tools, bioorthogon	Despite intense research ef	
405	Products and Processes Engineering	Tough Interface Tailored Nanostructured Metals	Montanuniversitaet Leoben			The ideal structural materi	
406	Products and Processes Engineering	MultiphasIc NanoreaCtors for HEterogeneous CataLysis via SmA	Centre National De La Recher			Gas-liquid-solid (G/L/S) m	
407	Products and Processes Engineering	Metal Microstructures in Four Dimensions	Danmarks Tekniske Universitet			The goals are:1) to develop a universal laboratory-based 4D	
408	Products and Processes Engineering	Computational Modelling, Topological Optimization and Design	Gottfried Wilhelm Leibniz Un			Flexoelectricity is the gene	
409	Products and Processes Engineering	Real-time Data-Informed Multi-scale Computational Methods for	Rheinisch-Westfaelische Tech		data assimilation, model order re	The fundamental importan	Experience in open source softw
410	Products and Processes Engineering	New Paradigm in Electrolyte Thermodynamics	Danmarks Tekniske Universite	https://www.cere.dtu.dk/research-an	Thermodynamics, Electrolytes, W	The project's overall targe	Electrolytes, Water, Advanced e
411	Products and Processes Engineering	New STANDards for seismic assessment of built cultural HERIT	Universidade Do Minho			STAND4HERITAGE amb	
412	Products and Processes Engineering	Breaking of highly energetic waves	University College Dublin, Na	https://www.highwave-project.eu/	Wave breaking, wave measureme	HIGHWAVE is an interdis	
413	Products and Processes Engineering	Life and death of a virtual copepod in turbulence	Ecole Centrale De Marseille E		Fluid mechanics, active particles	Life is tough for planktoni	
414	Products and Processes Engineering	Modelling revolUtion for Complex flUid flow over Surfaces and	Kungliga Tekniska Hoegskola		fluid dynamics, non-Newtonian fl	Complex fluids transport a	soft matter, non-Newtonian fluid
415	Products and Processes Engineering	Design and engineering of porous nitride-based materials as a pla	Imperial College Of Science Technology And Medicine			CONTEXT: Reshaping our energy portfolio considering the	
416	Universe Sciences	Evolution of white dwarfs with 3D model atmospheres	The University Of Warwick	https://warwick.ac.uk/fac/sci/physic	stellar astrophysics, white dwarfs	The vast majority of stars	
417	Universe Sciences	Accretion, Winds, and Evolution of Spins and Magnetism of Star	The University Of Exeter	http://empslocal.ex.ac.uk/AWESoM	Sun-like stars, angular momentun	This project focuses on Su	
418	Universe Sciences	Structured ACCREtion Disks: initial conditions for planet format	Magyar Tudomanyos Akadem	https://konkoly.hu/SACCRED/	astrophysics, star formation, circu	In this ERC Starting Grant	

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419	Universe Sciences	Back-reaction Of Solar plaSma to WAVES	Katholieke Universiteit Leuve		solar physics, solar corona, MHD	The solar coronal heating p	MHD, plasmas, waves, numerica
420	Universe Sciences	The Interstellar Medium of High Redshift Galaxies	Scuola Normale Superiore		galaxy formation - cosmology - ir	When and how did the firs	
421	Universe Sciences	Three Indirect Probes of Lyman continuum LEakage from galaxi	Universite De Geneve			Cosmic reionization corres	
422	Universe Sciences	Type Ia supernovae: from explosions to cosmology	The Provost, Fellows, Foundat		supernovae, extragalactic transier	Type Ia supernovae (SNe I	
423	Universe Sciences	Episodic Mass Loss in the Most Massive Stars: Key to Understan	National Observatory Of Athe			Massive stars dominate th	
424	Universe Sciences	The MAgnetic field in the GALaxy, using Optical Polarization of	Stichting Katholieke Universit	https://astro.ru.nl/~haverkorn/magal	galactic magnetic fields; interstell	What makes our Galaxy's	
425	Universe Sciences	Catastrophic Interactions of Binary Stars and the Associated Tran	Univerzita Karlova	http://utf.mff.cuni.cz/~pejcha	Astrophysics, hydrodynamics	One of the crucial formatic	
426	Universe Sciences	GRavity from Astrophysical to Microscopic Scales	Scuola Internazionale Superio			General Relativity (GR) de	
427	Universe Sciences	Building up a Unified Theory of Stellar Dynamos	Max-Planck-Gesellschaft Zur	https://www.mps.mpg.de/solar-stell	Stellar dynamos, solar dynamo, c	Magnetic fields are ubiqui	magnetohydrodynamics, numeri
428	Universe Sciences	Signal Correction to Reveal other Earths	Universite De Geneve		exoplanets, extreme precision in r	Searching for life signatur	statistics, machine learning, time
429	Universe Sciences	Fundamental physics from the large-scale structure of the Univers	University Of Portsmouth Higl		Galaxy Redshift Surveys, Baryon	The last 30 years have bee	Galaxy Redshift Surveys, Baryon
430	Universe Sciences	Collisional excitation of interstellar molecules: towards reactive s	Universite Le Havre Normand		Astrochemistry - Molecular scatte	Accurate determination of	quantum chemistry, astrophysica
431	Universe Sciences	The influence of stellar outflows on exoplanetary mass loss	The Provost, Fellows, Foundat	https://www.tcd.ie/Physics/research/	stellar winds; exoplanetary winds	ASTROFLOW aims to ma	star; exoplanet; MHD simulation
432	Universe Sciences	Post-Newtonian modelling of the dynamics of supermassive blacl	Helsingin Yliopisto	https://www.mv.helsinki.fi/home/ph	Supermassive black holes, galaxy	Supermassive black holes	Modelling of feedback from sup
433	Universe Sciences	Reconstructing the emergence of the Milky Way's stellar populati	Tel Aviv University			Understanding how the Mi	
434	Universe Sciences	Solar prominences: unraveling the ultimate condensation catastro	Katholieke Universiteit Leuve		Solar physics, Numerical MHD	The most spectacular solar	
435	Individuals, Markets and Organisations	Drivers of Growth in Bank Lending and Financial Crises	Universitat Zurich		bank credit; corporate finance; m	Banking crises are thought	bank credit; corporate finance by
436	Individuals, Markets and Organisations	Behavioral Implications of Information-Processing Frictions	Narodohospodarsky Ustav Ak	https://home.cerge-ei.cz/steiner/	micro-economic theory, informati	BEHAVFRICTIONS will u	micro-economic theory, informa
437	Individuals, Markets and Organisations	The Causal Effect of Public Policy and Income on Child Health a	Universidad Pompeu Fabra	https://www.europeandissemination		A recent literature in econ	
438	Individuals, Markets and Organisations	Value Judgments and Redistribution Policies	Universitetet I Oslo	https://www.sv.uio.no/esop/english/	Welfare criteria; taxation; fairnes	Heterogeneity and diversit	
439	Individuals, Markets and Organisations	Monetary Economics and Communication: New Data, New Tool	The Chancellor, Masters And		Monetary Policy; Communicatior	In the last 25 years, comm	Economist or Data Scientist; inte
440	Individuals, Markets and Organisations	Sharing Gains from Trade: Global Markets and Farmers Welfare	London School Of Economics			The majority of the global	
441	Institutions, Values, Beliefs and Behaviour	Labour Politics and the EU's New Economic Governance Regime	University College Dublin, Na	https://www.erc-europeanunions.eu	labor relations, industrial relation	Trade unions play a major	labor relations, industrial relation
442	Institutions, Values, Beliefs and Behaviour	The Rules of Interpretation of Customary International Law	Rijksuniversiteit Groningen	https://www.rug.nl/rechten/organisa	Law; International Law; Legal Th	This ERC proposal revolv	
443	Institutions, Values, Beliefs and Behaviour	Law, Governance and Space: Questioning the Foundations of the	Helsingin Yliopisto	spacelaw.fi	republicanism, legal history, histo	Administrative professiona	
444	Institutions, Values, Beliefs and Behaviour	A NUDGE IN THE RIGHTS DIRECTION? REDESIGNING TH	Kobenhavns Universitet	www.humanrightsnudge.com	human rights, nudge, behavioral e	Recent years have seen a r	
445	Institutions, Values, Beliefs and Behaviour	Concepts, theories and models for planning , operating and evalu	Technische Universiteit Delft	http://smartptlab.tudelft.nl/index.ph	Mobility; On-demand transport; T	Online marketplaces enabl	Dynamic pricing; Social network
446	Institutions, Values, Beliefs and Behaviour	The Politics of Marine Biodiversity Data: Global and National Po	Universitat Wien	https://www.maripoldata.eu/	Marine Biodiversity Politics;ocea	In order to protect marine	
447	Institutions, Values, Beliefs and Behaviour	Digital Campaigning and Electoral Democracy	The University Of Manchester		Digital, Campaigns, Elections, Ne	Overview: This project wi	Methodologist, Social Media An
448	Institutions, Values, Beliefs and Behaviour	Monitoring Biodiversity from Space	Universiteit Twente	https://www.itc.nl/research/biospace	remote-sensing eDNA biodiversit	Life, with all its diversity,	remote-sensing image-spectrosc
449	Institutions, Values, Beliefs and Behaviour	The Politics and Practice of Social Media in Conflict	The Chancellor, Masters And			Over the next five years an	
450	Institutions, Values, Beliefs and Behaviour	Inclusive Public Space: Law, Universality and Difference in the A	University Of Leeds		Accessibility; Equality; Streets; P	This project considers the	Social policy; Inclusive design; I
451	Institutions, Values, Beliefs and Behaviour	Brokering China's Extraversion: An Ethnographic Analysis of Tra	Universitetet I Oslo	www.brokex.org	China, brokerage, economic geog	Chinese global engagemer	Qualitative methods, China, brol
452	Institutions, Values, Beliefs and Behaviour	Kick-starting global cLimate Investments:uncovering hidden liNk	University College London	Under development	climate finance; complex networ	LINKS aims to contribute	climate finance; complex networ
453	Institutions, Values, Beliefs and Behaviour	Homo Juridicus: Correcting Law's Behavioural Illiteracy	Universiteit Van Amsterdam		compliance, law and behavior, la	Recent scientific research	Criminology, compliance, law a
454	Institutions, Values, Beliefs and Behaviour	Rethinking China's Model of Urban Governance	University College London		urban and regional governance, C	China's phenomenal urbar	regional governance
455	Institutions, Values, Beliefs and Behaviour	Sustainability, efficiency, equity and resilience of land and water	Universiteit Twente	www.earthalternatives.net	land water food energy sustainabi	Humanity faces major cha	integrated modelling and assessr
456	Institutions, Values, Beliefs and Behaviour	Global Governance through Goals? Assessing and Explaining the	Universiteit Utrecht	www.globalgoalsproject.eu		Achieving sustainable development worldwide remains pro	

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457	Environment, Space and Population	CLIMATE ADAPTATION TO SHIFTING STOCKS	Universidad De Vigo	https://futureoceanslab.org/clock/	adaptation, social-ecological syste	Management of marine fis	social scientist, fisheries scientis
458	Environment, Space and Population	Discontinuities in Household and Family Formation	Universita Commerciale Luigi	http://www.dondena.unibocconi.it/w		Household, family and fert	
459	Environment, Space and Population	Discretion and the child´s best interests in child protection	Universitetet I Bergen	https://www.discretion.uib.no/proje	Child Protection, Child Welfare,	DISCRETION aims to unl	Social science, Law, Psychology
460	Environment, Space and Population	Context, Identity and Choice: Understanding the constraints on w	The University Of Exeter	http://psychology.exeter.ac.uk/cic/	gender equality	There has been vast impro	
461	Environment, Space and Population	Intergroup toleration: It's Nature, Processes, and Consequences f	Universiteit Utrecht	https://intergrouptolerance.eu	diversity, intergroup relations, pre	Increasingly our societies a	
462	Environment, Space and Population	Ghosts from the past: Consequences of Adolescent Peer Experien	Rijksuniversiteit Groningen			Positive peer experiences a	
463	Environment, Space and Population	The Disrupted Society: mapping the societal effects of blockchair	Universiteit Van Amsterdam	https://blockchain-society.science/	decentralization, trust, regulation,	Recent advances in crypto	social sciences, law, economics,
464	Environment, Space and Population	Misfires and Market Innovation: Toward a Collaborative Turn in	University College Dublin, Na	https://misfires.ucd.ie/	markets, economic sociology, hea	MISFIRES opens up new t	STS, healthcare, sociology of ma
465	Environment, Space and Population	Socio-Semantic Bubbles of Internet Communities	Centre National De La Recher	http://socsemics.huma-num.fr	socio-semantic networks, internet	SOCSEMICS aims at deve	social network analysis, natural l
466	Environment, Space and Population	Dynamic Attitude Fixing: A novel theory of opinion dynamics in	University Of Limerick	https://www.ul.ie/dafinet/	networks; attitudes; opinion dyna	Understanding the coordin	mathematical modelling; networ
467	Environment, Space and Population	The effects of unemployment on health of family members	Umea Universitet			Previous research has inve	
468	Environment, Space and Population	Whales of Power: Aquatic Mammals, Devotional Practices, and I	Universitetet I Oslo	https://www.hf.uio.no/ikos/english/r	Japan, Vietnam, East Asia, popul	In various parts of East As	History of religions, Japan, Vietn
469	Environment, Space and Population	Cognitive Aging: From Educational Opportunities to Individual F	Universite Du Luxembourg	https://anjaleist.wordpress.com/201	dementia; inequalities; life course	Cognitive impairment and	inequalities in education; stratifi
470	Environment, Space and Population	The Cultural Logic of Honor and Social Interaction: A Cross-Cul	University Of Kent		honor, apologies, coordination, c	Understanding (un)willing	
471	Environment, Space and Population	CApturing Paradata for documenTing data creation and Use for t	Uppsala Universitet	http://www.uu.se/en/research/captur	paradata, archaeology, research d	Considerable investments	
472	Environment, Space and Population	Politics of Patents: Re-imagining citizenship via clothing inventic	Goldsmiths' College	http://www.politicsofpatents.org	patents, invention, clothing, inver	From Victorian women cy	practice research, social science,
473	Environment, Space and Population	Extreme Citizen Science: Analysis and Visualisation	University College London	https://www.geog.ucl.ac.uk/research	Citizen Science, Indigenous know	The challenge of Extreme	Anthropology, Geography, Com
474	Environment, Space and Population	The New Politics of Welfare: Towards an "Emerging Markets" W	Koc University	https://emw.ku.edu.tr/	welfare, social movements, prote	This research project aims	welfare, social movements, prote
475	Environment, Space and Population	Citizens exposed to dissimilar views in the media: investigating b	Universiteit Van Amsterdam		selectivity, polarization, big data,	In Europe, understanding a	computational methods skills, qu
476	Environment, Space and Population	Temporal structures of gender inequalities in Asian and Western	The Chancellor, Masters And	www.gentime-project.org	Gender inequality, East Asia, tim	An important part of soci	demography, quantitative metho
477	Environment, Space and Population	Polarization and its discontents: does rising economic inequality i	Johann Wolfgang Goethe-Uni		Economic inequality, social mobi	The project will examine t	expertise in quantitative social re
478	The Human Mind and Its Complexity	The Human Behavioral Immune System: Consequences for Healt	Stichting Vu			Modern innovations such a	
479	The Human Mind and Its Complexity	Microcontact. Language variation and change from the Italian he	Universiteit Utrecht	https://microcontact.sites.uu.nl/	syntax, language change, contact	This project aims to add a	syntax, language change, heritag
480	The Human Mind and Its Complexity	Stress Resilience and Network-Feedback Training	Stichting Katholieke Universit	www.ernohermans.com	neuroimaging, stress, cortisol, no	Acute stress has a profoun	cognitive neuroimaging, clinical
481	The Human Mind and Its Complexity	Goal-directed eye-head coordination in dynamic multisensory en	Stichting Katholieke Universit	https://www.mbfys.ru.nl/~johnvo/O	Multisensory integration / compu	Rapid object identification	psychophysics / computational m
482	The Human Mind and Its Complexity	An Empirical Foundation for Understanding Positive Emotions	Universiteit Van Amsterdam			Positive emotions are of gr	
483	The Human Mind and Its Complexity	Intentional stance for social attunement	Fondazione Istituto Italiano Di	https://instanceproject.eu	Intentional stance, artificial agent	In daily social interactions	
484	The Human Mind and Its Complexity	A distributional MOdel of Reference to Entities	Universidad Pompeu Fabra	https://www.upf.edu/web/amore		When I asked my seven-ye	computational cognitive science,
485	The Human Mind and Its Complexity	Cognitive Semantics and Quantities	Universiteit Van Amsterdam	https://www.jakubszymanik.com/Cc	semantics, cognition, psycholingu	At the heart of the multi-fa	cognitive modeling, experimenta
486	The Human Mind and Its Complexity	Characterizing neural mechanisms underlying the efficiency of na	Stichting Katholieke Universit		Object perception, Natural scenes	Our daily-life visual envir	
487	The Human Mind and Its Complexity	Human interaction and the evolution of spoken accent	Ludwig-Maximilians-Universi		agent-based modelling; spoken ac	If a group of people were s	
488	The Human Mind and Its Complexity	Discourse reporting in African storytelling	Centre National De La Recher			The project explores the rc	
489	The Human Mind and Its Complexity	The emergence and evolution of linguistic tone	The University Of Edinburgh	https://erc.europa.eu/projects-figure	Phonetics, phonology, tone langu	This project will investigat	
490	The Human Mind and Its Complexity	The dynamics underlying Well-being; Understanding the Exposor	Stichting Vu		Wellbeing Genetics Environment	In light of major demograp	
491	The Human Mind and Its Complexity	Set to change: early life factors restricting and promoting neurocc	Universitetet I Oslo	https://www.oslobrains.no/presentat	early life factors, brain, cognition	Cognitive function in old a	
492	The Human Mind and Its Complexity	Taking turns: The 'missing' link in language evolution?	Universitaet Osnabrueck	https://www.comparative-biocogniti	Evolution of language, comparati	Language — the most dist	Evolution of communication, Pr
493	The Human Mind and Its Complexity	Curiosity and the Development of the Hidden Foundations of Co	The Provost, Fellows, Foundat	www.cusacklab.org	deep learning, neuroimaging, infa	How do human infants dev	
494	The Human Mind and Its Complexity	Embodied Honesty in Real World and Digital Interactions	Universita Degli Studi Di Rom	under construction	Body ownership and agency - Ho	Every day, everywhere, pe	

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495	The Human Mind and Its Complexity	Gestural Origins: Linguistic Features of pan-African Ape Commu	The University Court Of The U	www.greatapedictionary.com	gesture, communication, ape, lan	Understanding the origins	
496	The Human Mind and Its Complexity	Information Sampling in Multiattribute Choice	Universitaetsklinikum Hambu			Do we prefer a small flat v	Decision-making, cognitive neur
497	The Human Mind and Its Complexity	The motor hypothesis for self-monitoring: A new framework to u	Centre National De La Recher	https://nfaivre.netlify.com/	consciousness, metacognition	Humans can monitor their	modeling, electrophysiology, sig
498	The Human Mind and Its Complexity	Truth and Semantics	University Of Bristol			"Anne believes that Bob a	
499	The Human Mind and Its Complexity	investigating Human Shared PErception with Robots	Fondazione Istituto Italiano Di	https://whisperproject.eu/	Robot; perception; interaction; sp	Perception is a complex pr	
500	The Human Mind and Its Complexity	Action selection under threat: the complex control of human defe	University College London	www.bachlab.org	threat avoidance; virtual reality; n	Run away, sidestep, duck-a	
501	The Human Mind and Its Complexity	GRoup thinking: new fOUNDationS	University Of Leeds	https://natureofrepresentation.wordp	Collective intentionality, metasen	This project builds new fo	
502	The Human Mind and Its Complexity	Speech Prosody in Interaction: The form and function of intonati	University Of Kent	https://www.amaliaarvaniti.info/spri	linguistics, phonetics, prosody, in	Intonation, the modulation	phonetics, pragmatics, prosody,
503	The Human Mind and Its Complexity	Linguistics from India: new ideas for modern linguistics from an	The Chancellor, Masters And		Sanskrit, Linguistics, Ancient Ind	This project aims to synthe	Sanskrit, Ancient Indian Gramm
504	The Human Mind and Its Complexity	Epistemic Utility for Imprecise Probability	University Of Bristol		imprecise probability, scoring rul	Scientific inference is prin	
505	The Human Mind and Its Complexity	FREE the MIND: the neurocognitive determinants of intentional	Cardiff University			Acting based on intention	
506	The Human Mind and Its Complexity	Seeing things you don't see: Unifying the philosophy, psychology	Universiteit Antwerpen		Perception, Mental imagery, Atte	When I am looking at my	
507	The Human Mind and Its Complexity	From the Expression of Disagreeement to New Foundations for E	Universiteit Van Amsterdam	https://inferentialexpressivism.com/		Disagreement is a pervasiv	
508	The Human Mind and Its Complexity	Turning the cortically blind brain to see: from neural computation	Universita Degli Studi Di Tori		blindsight, visual system, subcort	Visual awareness affords f	Biomedical Engineering - Medic
509	The Human Mind and Its Complexity	Contentotopic mapping: the topographical organization of object	Universidade De Coimbra			Our ability to recognize an	
510	The Human Mind and Its Complexity	Cracking the neural code of human object vision	Freie Universitaet Berlin			At each blink of our eyes,	
511	The Human Mind and Its Complexity	Incentive salience in human cognition during health and disorder	The University Of Birminghan	www.cognitionlab.org	EEG, fMRI, incentive salience, re	Incentive salience is a forn	EEG, fMRI, transcranial stimula
512	The Human Mind and Its Complexity	What to expect when you are not expecting it: How implicit regul	Stichting Vu		attention, statistical learning, brai	Extracting statistical regul	post-doc experimental psycholog
513	Cultures and Cultural Production	Worlds of Imagination. A Comparative Study of Film Tourism in	Erasmus Universiteit Rotterda	www.worldsofimagination.eu	media film tourism imagination h	This research project focus	
514	Cultures and Cultural Production	Cultural Expertise in Europe: What is it useful for?	The Chancellor, Masters And			Respect for diversity has b	
515	Cultures and Cultural Production	Epistemic Transitions in Islamic Philosophy, Theology and Scien	Jyvaskylan Yliopisto	www.islamicepistemology.com	History of philosophy, Islamic ph	Not very long ago, it was s	
516	Cultures and Cultural Production	Ethnobotany of divided generations in the context of centralizatio	Universita Ca' Foscari Venezia	https://www.unive.it/pag/33443	ethnobotany, ethnobiology, etnon	Understanding the logics o	
517	Cultures and Cultural Production	ARCTIC CULTURES: SITES OF COLLECTION IN THE FORM	The Chancellor Masters And S	https://www.arcticcultures.org/	Arctic; cultures; cultural producti	The Arctic has risen to glo	Arctic; cultures; cultural product
518	Cultures and Cultural Production	Alchemy in the Making: From ancient Babylonia via Graeco-Ron	Alma Mater Studiorum - Univ	www.alchemeast.eu	history of chemistry, Babylonian	The AlchemEast project is	
519	Cultures and Cultural Production	Classicising learning in medieval imperial systems: Cross-cultura	The University Of Edinburgh	http://paixue.shca.ed.ac.uk/	Byzantium, China, Learning, Imp	In the medieval Eurasian g	Innovative and interested in cros
520	Cultures and Cultural Production	Honour in classical Greece: esteem, status, identity, and society i	The University Of Edinburgh		ancient Greek society and history	If 'honour' is an outmoded	Classics, Greek, social history, e
521	Cultures and Cultural Production	Children in Comics: An Intercultural History from 1865 to Today	Universiteit Gent	https://www.comics.ugent.be/	comics, childhood, cultural histor	Owing to their visual esser	
522	Cultures and Cultural Production	Commentary Manuscripts in the History and Transmission of the	The University Of Birminghan	https://www.birmingham.ac.uk/rese	new testament, greek, bible, inter	Manuscripts which contair	editor, textual scholar, linguist, h
523	Cultures and Cultural Production	The Digital Ludeme Project: Modelling the Evolution of Traditio	Universiteit Maastricht	http://ludeme.eu/index.html	artificial intelligence; traditional g	The development of game	games; puzzles; machine learnin
524	Cultures and Cultural Production	Global Horizons in Pre-Modern Art	Universitaet Bern	www.global-horizons.ch	art history, medieval art, horizons	The horizon is the line tha	
525	Cultures and Cultural Production	Machine Vision in Everyday Life: Playful Interactions with Visua	Universitetet I Bergen	https://www.uib.no/en/machinevisio	humanities, aesthetics, algorithms	In the last decade, machin	digital humanities, anthropology
526	Cultures and Cultural Production	The Sources of Absolute Music: Mapping Emotions in Eighteentl	Universidad Complutense De	http://www.didone.eu/	emotions, opera, digitizing, music	The belief that 'the end of	music information retrieval, mus
527	Cultures and Cultural Production	The normalisation of natural philosophy: how teaching practices	Rijksuniversiteit Groningen	https://www.rug.nl/filosofie/organiz	natural philosophy, digital human	Early modern natural philc	natural philosophy, digital huma
528	Cultures and Cultural Production	Jewish Translation and Cultural Transfer in Early Modern Europe	Ben-Gurion University Of The	www.jewtact.com		Contemporary scholarship	
529	Cultures and Cultural Production	Epigenetics, Experience and Responsibility: Implications for neu	Universiteit Antwerpen	http://www.neuroepigenethics.com/	ethics, epigenetics, development,	In folk psychology and in l	
530	Cultures and Cultural Production	Deep uncertainties in bioethics: genetic research, preventive med	Uniwersytet Jagiellonski	https://incet.uj.edu.pl/	ethics, bioethics, uncertainty, risk	Uncertainty is everywhere,	
531	Cultures and Cultural Production	Classical Influences and Irish Culture	Aarhus Universitet	http://clic.au.dk/	classical reception; Irish studies	The hypothesis of this proj	
532	Cultures and Cultural Production	Rights and Egalitarianism	The Provost, Fellows, Foundat		egalitarianism, human rights, cos	REAL opens up new persp	political philosophy, legal theory

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533	Cultures and Cultural Production	Face Aesthetics in Contemporary E-Technological Societies	Universita Degli Studi Di Tori		Face; Representations; Digital Cu	FACETS studies the mean	Face studies; Visual Semiotics; V
534	Cultures and Cultural Production	Rewriting Global Orthodoxy Oriental Christianity in Europe betw	Stichting Katholieke Universit		global orthodoxy; oriental church	Over the last fifty years, O	migration studies; religious studi
535	Cultures and Cultural Production	Titles of the New Testament: A New Approach to Manuscripts ar	Dublin City University			The problem this project a	
536	Cultures and Cultural Production	CoFutures: Pathways to Possible Presents	Universitetet I Oslo	https://cordis.europa.eu/project/rcn/	Science Fiction, Global Science F	This project investigates fu	
537	Cultures and Cultural Production	Papyri and LAtin Texts: INsights and Updated Methodologies.To	Universita Degli Studi Di Nap	https://platinum-erc.it	Classics, Latin, Papyri, Ancient M	The aim of PLATINUM is	
538	Cultures and Cultural Production	Narrating the Mesh: Ecology and the Non-Human in Contempora	Universiteit Gent	http://www.narmesh.ugent.be/	ecological crisis, contemporary fi	Today's ecological crisis p	
539	Cultures and Cultural Production	Florilegia Syriaca. The Intercultural Dissemination of Greek Chri	Universita Ca' Foscari Venezia		Syro-Arabic Christianity, Greek C	FLOS will focus on the me	Syriac studies, early Christian stu
540	Cultures and Cultural Production	The Metaphysical Unity of Science	University Of Bristol	https://metascience.xyz/	Philosophy, Metaphysics, Philoso	The Metaphysical Unity of	Philosophy, Metaphysics, Philos
541	The Study of the Human Past	The healthy self as body capital: Individuals, market-based societ	Universite De Strasbourg	bodycapital.unistra.fr	history, 20th century, audiovisual	From testicular grafting (1!	
542	The Study of the Human Past	The Medieval and Early Modern Nautical Chart: Birth, Evolution	Fciencias.Id - Associacao Para	https://www.medea-chart.org/	History of Cartography, History o	Of all the technical and sci	history, philosophy, science, mat
543	The Study of the Human Past	Non-Territorial Autonomy as Minority Protection in Europe: An I	Universitat Wien	https://ntautonomy.univie.ac.at/en/	non-territiorial autonomy, nationa	Over the past 150 years, n	non-territiorial autonomy, nation
544	The Study of the Human Past	Disasters, Communication and Politics in South-Western Europe:	Universita Degli Studi Di Nap	http://discompose.unina.it	Early Modern History, History of	The connections between t	
545	The Study of the Human Past	Living with Radiation: The Role of the International Atomic Ener	Technische Universitat Berlin	https://iaeahistory.weebly.com/	history of radiation protection; nu	This project addresses the	historian of science; diplomatic h
546	The Study of the Human Past	Putting Water at the Centre of Nuclear Energy History	Kungliga Tekniska Hoegskola	www.nuclearwaters.eu	nuclear energy, history of technol	NUCLEARWATERS dev	
547	The Study of the Human Past	Circulating Gender in the Global Enlightenment: Ideas, Network	Universitat De Valencia	https://cirgen.eu	Enlightenment; modernity; gende	Research on the role playe	Cultural history; intellectual hist
548	The Study of the Human Past	Patristic sermons in the Middle Ages. The dissemination, manipu	Stichting Katholieke Universit	https://applejack.science.ru.nl/passir		PASSIM will study the me	
549	The Study of the Human Past	The History of Intellectual Property Rights in the Creative Industr	Universitetet I Oslo	https://www.hf.uio.no/iakh/english/r	intellectual property rights, creati	CREATIVE IPR aims to st	legal historian, economic historia
550	The Study of the Human Past	The Structure and Impact of Trans-Pacific Trade, 16th to 18th Ce	Paris-Lodron-Universitat Salzburg			This project will provide a	radically new history of early mo
551	The Study of the Human Past	Making the Earth Global: Early Modern Nautical Rutters and the	Faculdade De Ciencias Da Un	rutter-project.org	History of Science, Early Modern	Early modern nautical rutt	History of Science, Early Moder
552	The Study of the Human Past	Communities and Connectivities: Iron Age Britons and their Con	University Of York		Iron Age; European archaeology;	Recent breakthroughs in a	Iron Age; European archaeology
553	The Study of the Human Past	PANTROPOCENE: Finding a Pre-industrial, Pan-tropical 'Anthr	Max-Planck-Gesellschaft Zur I	https://www.patrickjroberts.com/		Tropical forests are globally recognised as biodiversity hots	
554	The Study of the Human Past	Back to the Future: Future expectations and actions in late medie	Universiteit Antwerpen	https://cordis.europa.eu/project/rcn/	medieval history; early modern hi	From the eighteenth centu	
555	The Study of the Human Past	Zooming into the Population History of Iron Age Europe with Ra	Max-Planck-Gesellschaft Zur I		Population Genetics, Bioinformat	In recent years, archaeoge	Population Genetics, Mathemati
556	The Study of the Human Past	Localizing 4000 Years of Cultural History. Texts and Scripts fron	Stiftung Preussischer Kulturbe			The aim of this project is t	
557	The Study of the Human Past	The Mamlukisation of the Mamluk Sultanate II: historiography, p	Universiteit Gent	Www.mms.ugent.be	Arabic historiography- state form	MMS-II pursues the hypot	Islamic history -Arabic literature
558	The Study of the Human Past	The First Bantu Speakers South of the Rainforest: A Cross-Discip	Universiteit Gent	https://www.bantufirst.ugent.be/		The Bantu Expansion is no	
559	The Study of the Human Past	Migration and Holocaust: Transnational Trajectories of Lubartow	Centre National De La Recher		History-Migration-Holocaust-Mo	Migrations are a central iss	Historian-Social scientist
560	The Study of the Human Past	Biogeographic and cultural adaptations of early humans during th	Agencia Estatal Consejo Super			Our understanding of the e	
561	Synergy	Widespread Bacterial CORE Complex Executes Intra- and Inter-I	The Hebrew University Of Jer			The enormous versatility o	Bacteria, nanotubes, Bacillus, ho
562	Synergy	Climate CT- Cloud Tomography by Satellites for Better Climate I	Technion - Israel Institute Of T	https://www.youtube.com/watch?v=	Computational imaging, Optics, I	Clouds play a lead climati	
563	Synergy	Connecting to the Networks of the Human Brain	Aalto Korkeakoulusaatio Sr	connecttobrain.eu	TMS, EEG, TMS-EEG, TMS the	ConnectToBrain will intro	hardware, software architecture,
564	Synergy	Connecting to the Networks of the Human Brain	Aalto Korkeakoulusaatio Sr	connecttobrain.eu	TMS, EEG, TMS-EEG, MEG, el	ConnectToBrain will intro	software architecture, software d
565	Synergy	Genetics of Individuality	European Molecular Biology I		Medaka and human genetics	We propose to thoroughly	Quantitative Genetics
566	Synergy	Exploring the dynamics and causes of prehistoric land use change	Universitaet Bern	www.exploproject.eu	Underwater archaeology, human-	European societies today f	Underwater archaeology, enviro