

EIC Pathfinder Challenges - 2021 call					
Acronym	Title	Coordinating organisation	Country coordinator	Duration (months)	Recommended EU Contribution
<b>Awareness inside</b>					
ASTOUND	Improving social competences of virtual agents through artificial consciousness based on the Attention Schema Theory	Indeep AI SL	ES	36	3.330.898,00 €
METATOOL	A metapredictive model of synthetic awareness for enabling tool invention	UNIVERSIDAD POLITECNICA DE MADRID	ES	48	3.988.339,00 €
VALAWAI	Value-Aware Artificial Intelligence	AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS	ES	48	3.927.059,00 €
SUSTAIN	Smart Building Sensitive to Daily Sentiment	AALTO KORKEAKOULUSAATIO SR	FI	42	2.550.196,00 €
EMERGE	Emergent awareness from minimal collectives	UNIVERSITA DI PISA	IT	48	3.644.196,00 €
SYMBIOTIK	Context-aware adaptive visualizations for critical decision making	UNIVERSITE DU LUXEMBOURG	LU	48	3.990.875,00 €
CAVA	Counterfactual Assessment and Valuation for Awareness Architecture	STICHTING RADBODD UNIVERSITEIT	NL	48	3.955.419,00 €
SymAware	Symbolic logic framework for situational awareness in mixed autonomy	UNIVERSITY OF NEWCASTLE UPON TYNE	UK	36	3.980.293,00 €
<b>Tools to measure &amp; stimulate activity in brain tissue</b>					
HYPERSTIM	High-dimensional electrical stimulation for visual prosthesis	KATHOLIEKE UNIVERSITEIT LEUVEN	BE	48	2.105.228,00 €
MINIGRAPH	Minimally Invasive Neuromodulation Implant and implantation procedure based on ground-breaking GRAPHene technology for treating brain disorders	FUNDACIO INSTITUT CATALA DE NANOCIENCIA I NANOTECNOLOGIA	ES	36	3.928.404,00 €
MICROVASC	Remote whole-brain functional microscopy of the vascular system: a paradigm shift for the monitoring and treatment of small vessel diseases	INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE	FR	60	3.946.173,00 €
NEMO BMI	Auto-adaptive Neuromorphic Brain Machine Interface: toward fully embedded neuroprosthetics	COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	FR	36	3.784.704,00 €
CROSSBRAIN	Distributed and federated cross-modality actuation through advanced nanomaterials and neuromorphic learning	UNIVERSITA DEGLI STUDI DI ROMA TOR VERGATA	IT	48	4.067.926,00 €
HyperProbe	Transforming brain surgery by advancing functional-guided neuronavigational imaging	UNIVERSITA DEGLI STUDI DI FIRENZE	IT	60	3.968.297,00 €
INTRECOM	Intracranial Neuro Telemetry to Restore Communication	UNIVERSITAIR MEDISCH CENTRUM UTRECHT	NL	48	3.997.917,00 €
UPSIDE	Focused Ultrasound Personalized Therapy for the Treatment of Depression (UPSIDE)	TECHNISCHE UNIVERSITEIT DELFT	NL	48	4.149.921,00 €
<b>Emerging technologies in cell &amp; gene therapy</b>					
T-FITNESS	FINE-TUNING T CELL NETWORKS OF EXHAUSTION BY SYNTHETIC SENSORS	STIFTUNG REGENSBURGER CENTRUM FUR INTERVENTIONELLE IMMUNOLOGIE	DE	48	3.789.472,00 €
EdiGenT	New Prime Editing and non-viral delivery strategies for Gene Therapy	SORBONNE UNIVERSITE	FR	60	3.912.835,00 €
MUTAVAC	Targeting cancer with mutanome based stem cell vaccine	Ipsirius	FR	24	1.782.000,00 €
PAT4CGT	Automated online monitoring & control to improve processes and decision making in cell and gene therapy manufacturing	Da Vinci Labs	FR	36	3.617.785,00 €
AAVolution	Next-generation AAV vectors for liver-directed gene therapy	FONDAZIONE TELETHON	IT	48	4.000.000,00 €
X-PAND	Exploiting ex vivo expansion and deep multiomics profiling to bring novel, efficient and safer hematopoietic stem cell gene therapies to clinical application	OSPEDALE SAN RAFFAELE SRL	IT	48	3.999.563,00 €
iPSC	AI-powered platform for autologous iPSC manufacturing	MIDA Biotech B.V.	NL	48	3.999.225,00 €
SMARTER	Smart manufacturing for autologous cell therapies enabled by innovative biomonitoring technologies and advanced process control	ACHILLES THERAPEUTICS UK LIMITED	UK	36	3.926.533,00 €
<b>Novel routes to green hydrogen production</b>					
OHPERA	Optimised Halide Perovskite nanocrystalline based Electrolyser for clean, robust, efficient and decentralised pRduction of H2	UNIVERSITAT JAUME I DE CASTELLON	ES	42	3.229.934,00 €
PhotoSynH2	Photosynthetic electron focusing technology for direct efficient biohydrogen production from solar energy	AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS	ES	60	4.194.948,00 €
DualFlow	Dual circuit flow battery for hydrogen and value added chemical production	TURUN YLIOPISTO	FI	48	3.874.466,00 €
MacGhyver	Microfluidic wAstewater treatment and Creation of Green HYdrogen Via Electrochemical Reactions	EDEN TECH	FR	48	3.644.380,00 €
ANEMEL	ANion Exchange Membrane Electrolysis from Low-grade water sources	NATIONAL UNIVERSITY OF IRELAND GALWAY	IE	48	3.455.692,00 €
H2STEEL	Green H2 and circular bio-coal from biowaste for cost-competitive sustainable Steel	POLITECNICO DI TORINO	IT	36	2.800.626,00 €
EPOCH	Electrocatalytic Production of liquid Organic hydrogen carrier and CHemicals from lignin	LULEA TEKNISKA UNIVERSITET	SE	48	3.502.969,00 €
GH2	GreenH2 production from water and bioalcohols by full solar spectrum in a flow reactor	UNIVERSITY COLLEGE LONDON	UK	36	3.443.933,00 €
<b>Engineered living material</b>					
LoopOfFun	Closed-loop control of fungal materials	ALBERT-LUDWIGS-UNIVERSITAET FREIBURG	DE	60	4.098.438,00 €
Fungateria	Enlisting synthetic fungal-bacterial consortia to produce multicellular mycelium-based ELMs with computational capability	DET KONGELIGE DANSKE KUNSTAKADEMIS SKOLER FOR ARKITEKTUR, DESIGN OG KONSERVING.	DK	48	3.999.263,00 €
BioRobot-MiniHeart	Engineering a living human Mini-heart and a swimming Bio-robot	River BioMedics B.V.	NL	60	3.981.196,00 €
FUROID	Up-scaled continuous production of artificial hair, fur and wool follicles using FUROID and HAROID technology	Geneus Biotech B.V.	NL	60	4.043.375,00 €
NextSkins	Living Therapeutic and Regenerative Materials with Specialised Advanced Layers	TECHNISCHE UNIVERSITEIT DELFT	NL	60	3.999.994,00 €
SUMO	Supervised morphogenesis in gastruloids	OSLO UNIVERSITETSSYKEHUS HF	NO	60	4.850.892,00 €
PRISM-LT	PRInted Symbiotic Materials as a dynamic platform for Living Tissues production	UNIVERSITY OF GLASGOW	UK	60	3.876.676,00 €