

EUROPEAN INNOVATION COUNCIL FET OPEN
NOVEL IDEAS FOR RADICALLY NEW TECHNOLOGIES
cut-off date: 16 May 2018

Acronym <i>(links to CORDIS for more information)</i>	Title	EC Contribution	Name	Role	Country
<u>AndQC</u>	Andreev qubits for scalable quantum computation	3,484,107.50 €	1 Technische Universiteit Delft 2 Budapesti Muszaki Es Gazdasagtudomanyi Egyetem 3 Kobenhavns Universitet 4 Consiglio Nazionale Delle Ricerche 5 Universidad Autonoma De Madrid 6 Commissariat A L Energie Atomique ET Aux Energies Alternatives 7 Universitat Basel	Coordinator Partner Partner Partner Partner Partner	NL HU DK IT ES FR CH
<u>BoostCrop</u>	Boosting Crop Growth using Natural Product and Synthesis Enabled Solar Harvesting	4,940,403.75 €	1 The University Of Warwick 2 University Of Bristol 3 Universiteit Van Amsterdam 4 Stichting Katholieke Universiteit 5 Institut Des Sciences Et Industries Du Vivant Et De L'environnement - Agro Paris Tech 6 Universite D'aix Marseille 7 Bundesinstitut Fuer Risikobewertung 8 Plantresponse Biotech Sl	Coordinator Partner Partner Partner Partner Partner Partner Partner	UK UK NL NL FR FR DE ES
<u>BRIGHTER</u>	Bioprinting By Light-Sheet Lithography: Engineering Complex Tissues With High Resolution At High Speed	3,459,052.50 €	1 Fundacio Institut De Bioenginyeria De Catalunya 2 Johann Wolfgang Goethe-Universitatfrankfurt Am Main 3 Mycronic AB 4 Cellendes GmbH 5 Technion - Israel Institute Of Technology	Coordinator Partner Partner Partner Partner	ES DE SE DE IL
<u>CANCER SCAN</u>	A Body Scan for Cancer Detection using Quantum Technology	3,934,743.75 €	1 Ben-Gurion University Of The Negev 2 Medizinische Universitaet Wien 3 Technische Universitaet Muenchen 4 Universita Degli Studi Di Roma La Sapienza	Coordinator Partner Partner Partner	IL AT DE IT

cFLOW	Coherent ultraFast Long Wave infrared communications	2,998,096.25 €	1 III-V Lab 2 Kungliga Tekniska Hoegskolan 3 Universite Paris Diderot - Paris 7 4 Technische Universitaet Wien 5 CSEM Centre Suisse D'electronique Et De Microtechnique Sa - Recherche et Developpement 6 Mirsense 7 Totalforsvarets Forskningsinstitut	Coordinator Partner Partner Partner Partner Partner Partner	FR SE FR AT CH FR SE
ChipAI	Energy-efficient and high-bandwidth neuromorphic nanophotonic Chips for Artificial Intelligence systems	3,892,005.00 €	1 Laboratorio Iberico Internacional De Nanotecnologia 2 University Of Glasgow 3 University Of Strathclyde 4 Technische Universiteit Eindhoven 5 Fciencias.Id - Associacao Para A Investigacao E Desenvolvimento De Ciencias 6 Universitat De Les Illes Balears 7 IQE Plc 8 IBM Research Gmbh	Coordinator Partner Partner Partner Partner Partner Partner Partner	PT UK UK NL PT ES UK CH
E.T.PACK	Electrodynamic Tether Technology for Passive Consumable-less Deorbit Kit	2,999,999.87 €	1 Universidad Carlos III De Madrid 2 Fraunhofer Gesellschaft Zur Foerderung Der Angewandten Forschung E.V. 3 Universita Degli Studi Di Padova 4 Technische Universitaet Dresden 5 Sener Ingenieria Y Sistemas S.A. 6 Advanced Thermal Devices S.L.	Coordinator Partner Partner Partner Partner Partner	ES DE IT DE ES ES
Fish-AI	Developing an Artificial Intestine for the sustainable farming of healthy fish	2,998,650.00 €	1 Universita Degli Studi Di Milano 2 Israel Oceanographic And Limnological Research Limited 3 Universiteit Gent 4 Biofabrics LDA 5 Norwegian University Of Life Sciences 6 Skretting Aquaculture Research Centre As	Coordinator Partner Partner Partner Partner Partner	IT IL BE PT NO NO
FRINGE	Fluorescence and Reactive oxygen Intermediates by Neutron Generated electronic Excitation as a foundation for radically new cancer therapies	3,979,485.00 €	1 Oslo Universitetssykehus HF 2 National Center For Scientific Research "Demokritos" 3 Universitat De Girona 4 Synthetica AS	Coordinator Partner Partner Partner	NO EL ES NO

			5 Vysoka Skola Chemicko-Technologicka V Praze 6 Universitat Politecnica De Valencia 7 Institutt For Energiteknikk 8 Accelopment AG	Partner Partner Partner Partner	CZ ES NO CH
GLADIATOR	Next-generation theranostics of brain pathologies with autonomous externally controllable nanonetworks: a trans-disciplinary approach with bio-nanodevice interfaces	5,982,255.00 €	1 University Of Cyprus 2 Oulun Yliopisto 3 Fraunhofer Gesellschaft Zur Foerderung Der Angewandten Forschung E.V. 4 Waterford Institute Of Technology 5 Norges Teknisk-Naturvitenskapelige Universitet Ntnu 6 Osaka University 7 E.P.O.S. Iasis Research And Development Ltd	Coordinator Partner Partner Partner Partner Partner Partner	CY FI DE IE NO JP CY
HOTZYMES	Redesigning biocatalysis: Thermal-tuning of one-pot multienzymatic cascades by nanoactuation	2,992,388.75 €	1 Agencia Estatal Consejo Superior Deinvestigaciones Cientificas 2 Forschungszentrum Julich Gmbh 3 Universidad De Zaragoza 4 Technische Universitaet Graz 5 Universita Degli Studi Dell'Insubria 6 Nanoscale Biomagnetics Sl 7 Acib GmbH	Coordinator Partner Partner Partner Partner Partner Partner	ES DE ES AT IT ES AT
INITIO	INnovative chemical sensors for enanTioselective detectIon of chiral pOllutants	2,929,901.25 €	1 Universita Degli Studi Di Roma Torvergata 2 Jyvaskylan Yliopisto 3 Tallinna Tehnikaulikool 4 The Provost, Fellows, Foundation Scholars & The Other Members Of Board Of The College Of The Holy & Undivided Trinity Of Queen Elizabeth Near Dublin 5 Universita Del Salento 6 Centre National De La Recherche Scientifique CNRS 7 Interspectrum Ou 8 Eurochem Italia Srl	Coordinator Partner Partner Partner Partner Partner Partner Partner	IT FI EE IE IT FR EE IT
IQubits	Integrated Qubits Towards Future High-Temperature Silicon Quantum Computing Hardware Technologies	2,688,375.00 €	1 Aarhus Universitet 2 Consiglio Nazionale Delle Ricerche 3 The Governing Council Of The University Of Toronto	Coordinator Partner Partner	DK IT CA

			4 Foundation For Research And Technology Hellas 5 Institutul National De Cercetaredezvoltare Pentru Microtehnologie 6 Mdlab Srl	Partner Partner Partner	EL RO IT
LION-HEARTED	Light and Organic Nanotechnology for Cardiovascular Disease	2,904,413.75 €	1 Fondazione Istituto Italiano Di Tecnologia 2 Universita Degli Studi Di Pavia 3 Humanitas Mirasole Spa 4 Technische Universitaet Muenchen 5 Universitat Linz 6 Alma Mater Studiorum - Universita Di Bologna 7 Universidad Del Pais Vasco/ Euskal Herriko Unibertsitatea 8 Charite - Universitaetsmedizin Berlin	Coordinator Partner Partner Partner Partner Partner Partner Partner	IT IT IT DE AT IT ES DE
NanoBRIGHT	BRInGing nano-pHoTonics into the brain	3,496,197.50 €	1 Fondazione Istituto Italiano Di Tecnologia 2 Agencia Estatal Consejo Superior Deinvestigaciones Cientificas 3 Centre National De La Recherche Scientifique CNRS 4 Fundacion Centro Nacional De Investigaciones Oncologicas Carlos III	Coordinator Partner Partner Partner	IT ES FR ES
NANOPOLY	Artificial permittivity and permeability engineering for future generation sub wavelength analogue integrated circuits and systems	2,941,895.00 €	1 Thales Sa 2 Foundation For Research And Technology Hellas 3 Institutul National De Cercetaredezvoltare Pentru Microtehnologie 4 Ihp Gmbh - Innovations For High Performance Microelectronics/Leibniz-Institut Fuer Innovative Mikroelektronik 5 Commissariat A L Energie Atomique Et Aux Energies Alternatives 6 Universita Politecnica Delle Marche 7 Fundacio Institut Catala De Nanociencia I Nanotecnologia 8 Rf Microtech Srl	Coordinator Partner Partner Partner Partner Partner Partner Partner	FR EL RO DE FR IT ES IT
NARCISO	NATuRal instability of semiConductors thIn SOLid films for sensing and photonic applications	2,588,828.75 €	1 Consiglio Nazionale Delle Ricerche 2 Universite D'aix Marseille 3 Technische Universitaet Dresden	Coordinator Partner Partner	IT FR DE

			4 Universite De Lausanne 5 Universita Degli Studi Di Firenze 6 Obducat Technologies AB	Partner Partner Partner	CH IT SE
NCLas	NanoCrystals in Fibre Lasers	2,991,126.25 €	1 Leibniz-Institut Fuer Photonische Technologien E.V. 2 Universidad De Cantabria 3 Akademia Gorniczo-Hutnicza Im. Stanislawia Staszica W Krakowie 4 Fraunhofer Gesellschaft Zur Foerderung Der Angewandten Forschung E.V. 5 University Of Surrey 6 Lasos Lasertechnik GmbH	Coordinator Partner Partner Partner Partner Partner	DE ES PL DE UK DE
NeuroStimSpinal	A Step Forward To Spinal Cord Injury Repair Using Innovative Stimulated Nanoengineered Scaffolds	3,503,922.50 €	1 Universidade De Aveiro 2 Fundacion Tecnalia Research & Innovation 3 Universidad Complutense De Madrid 4 Stichting Katholieke Universiteit 5 Foundation For Research And Technology Hellas 6 Graphenest S.A. 7 Stematters, Biotecnologia E Medicina Regenerativa SA	Coordinator Partner Partner Partner Partner Partner Partner	PT ES ES NL EL PT PT
NoPest	Novel Pesticides for a Sustainable Agriculture	3,236,820.00 €	1 Universita Degli Studi Di Milano 2 Kungliga Tekniska Hoegskolan 3 Bar Ilan University 4 Universite Paris-Sud 5 Oxon Italia S.P.A 6 Universidad De La Rioja	Coordinator Partner Partner Partner Partner Partner	IT SE IL FR IT ES
NOVIRUSES2BRAIN	"One size fits all" unique drug to eradicate multiple viral species simultaneously from the central nervous system of co-infected individuals	4,238,868.75 €	1 Instituto De Medicina Molecular 2 Universidad Pompeu Fabra 3 Synovo GmbH	Coordinator Partner Partner	PT ES DE
OXINEMS	Oxide Nanoelectromechanical Systems for Ultrasensitive and Robust Sensing of Biomagnetic Fields	3,176,802.50 €	1 Consiglio Nazionale Delle Ricerche 2 Chalmers Tekniska Hoegskola Ab 3 Universitaet Hamburg 4 Quantified Air Bv 5 Universita Degli Studi Gabriele D'annunzio Di Chietipescara 6 Meta Group Srl	Coordinator Partner Partner Partner Partner Partner	IT SE DE NL IT IT

PATHOS	Photonic and nAnomeTric High-sensitivity biO-Sensing,	2,567,500.00 €	1 Universita Degli Studi Di Firenze 2 Istituto Nazionale Di Ricerca Metrologica 3 Weizmann Institute Of Science 4 The Hebrew University Of Jerusalem 5 Technische Universitat Dortmund	Coordinator Partner Partner Partner Partner	IT IT IL IL DE
PETACom	Petahertz Quantum Optoelectronic Communication	3,922,730.00 €	1 Commissariat A L Energie Atomique Et Aux Energies Alternatives 2 Magyar Tudomanyos Akademia Wigner Fizikai Kutatokozpont 3 Ludwig-Maximilians-Universitaet Muenchen 4 Universite De Limoges 5 Friedrich-Alexander-Universitaet Erlangen Nuernberg 6 Novae 7 Menlo Systems GmbH 8 Fundacio Institut De Ciencies Fotoniques	Coordinator Partner Partner Partner Partner Partner Partner Partner	FR HU DE FR DE FR DE ES
ph-coding	Predictive Haptic COding Devices In Next Generation interfaces	2,988,285.00 €	1 Lunds Universitet 2 Imperial College Of Science Technology And Medicine 3 University Of Glasgow 4 Actronika	Coordinator Partner Partner Partner	SE UK UK FR
PRIME	Advanced and versatile PRInting platform for the next generation of active Microfluidic dEVICES	2,820,991.25 €	1 Agencia Estatal Consejo Superior Deinvestigaciones Cientificas 2 Technische Universiteit Eindhoven 3 Max-Planck-Gesellschaft Zur Forderung Der Wissenschaften Ev 4 Universidad De Zaragoza 5 Bionanonet Forschungsgesellschaft Mbh 6 Beonchip Sl	Coordinator Partner Partner Partner Partner Partner	ES NL DE ES AT ES
Q-AFM	Quantum Limited Atomic Force Microscopy	2,189,414.75 €	1 Kungliga Tekniska Hoegskolan 2 Universitat Basel 3 Technische Universitaet Wien 4 Intermodulation Products Ab	Coordinator Partner Partner Partner	SE CH AT SE

QUEFORMAL	Quantum Engineering for Machine Learning	2,988,740.00 €	1 Universita Di Pisa 2 Gesellschaft Fur Angewandte Mikro Und Optoelektronik Mit Beschränkterhaftung Amo GmbH 3 Universitaet Der Bundeswehr Muenchen 4 Ecole Polytechnique Federale De Lausanne 5 Consiglio Nazionale Delle Ricerche 6 Quantavis Srl	Coordinator Partner Partner Partner Partner Partner	IT DE DE CH IT IT
Quomorphic	Neuromorphic Quantum Computing	2,882,752.50 €	1 Heriot-Watt University 2 Eidgenoessische Technische Hochschule Zuerich 3 Technische Universiteit Delft 4 Ibm Research GmbH 5 Universidad Del Pais Vasco/ Euskal Herriko Unibertsitatea 6 Volkswagen AG	Coordinator Partner Partner Partner Partner Partner	UK CH NL CH ES DE
SCHINES	Spatially-Separated Chirality Inspired Networks	2,322,579.25 €	1 IBMResearch GmbH 2 Max-Planck-Gesellschaft Zur Forderung Der Wissenschaften Ev 3 Centre National De La Recherche Scientifique CNRS	Coordinator Partner Partner	CH DE FR
SensApp	Super-sensitive detection of Alzheimer's disease biomarkers in plasma by an innovative droplet split-and-stack approach	3,287,562.50 €	1 Consiglio Nazionale Delle Ricerche 2 Vrije Universiteit Brussel 3 Irccs Centro Neurolesi Bonino Pulejo 4 Universitat Linz 5 Teknologian Tutkimuskeskus Vtt Oy 6 Ginolis Oy	Coordinator Partner Partner Partner Partner Partner	IT BE IT AT FI FI
SHERO	Self-HEaling soft Robotics	2,948,571.25 €	1 Vrije Universiteit Brussel 2 The Chancellor Masters And Scholars Of The University Of Cambridge 3 Eidgenossische Materialprufungs- Und Forschungsanstalt 4 Ecole Superieure De Physique Et Dechimie Industrielles De La Ville Deparis 5 Suprapolix Bv	Coordinator Partner Partner Partner Partner	BE UK CH FR NL

SoFiA	Soap Film based Artificial Photosynthesis	3,205,280.00 €	1 Uppsala Universitet 2 The Chancellor Masters And Scholars Of The University Of Cambridge 3 Universiteit Leiden 4 Stichting Nederlandse Wetenschappelijk Onderzoek Instituten 5 United Nations Educational, Scientific And Cultural Organization -UNESCO 6 Politecnico Di Torino 7 Microfluidic Chipshop GmbH 8 Teclis	Coordinator Partner Partner Partner Partner Partner	SE UK NL NL FR IT DE FR
Super-Pixels	Super-Pixels: Redefining the way we sense the world	2,479,003.75 €	1 University Of Glasgow 2 Ustav Pstrojove Techniky Avcr Vvi 3 Max-Planck-Gesellschaft Zur Forderung Der Wissenschaften Ev 4 Politecnico Di Milano	Coordinator Partner Partner Partner	UK CZ DE IT
THOR	TeraHertz detection enabled by mOleculaR optomechanics	3,274,122.50 €	1 Universitat Politecnica De Valencia 2 Stichting Nederlandse Wetenschappelijk Onderzoek Instituten 3 King's College London 4 The Chancellor Masters And Scholars Of The University Of Cambridge 5 Agencia Estatal Consejo Superior Deinvestigaciones Cientificas 6 Ecole Polytechnique Federale De Lausanne 7 Lytid SAS	Coordinator Partner Partner Partner Partner Partner	ES NL UK UK ES CH FR
TopSpec	Next generation precision antibody profiling - from science fiction to reality	3,991,500.00 €	1 Karolinska Institutet 2 Fasmatech Epistimoniki Kai Technologiki Anonymi Etaireia 3 Thermo Fisher Scientific (Bremen) GmbH 4 Spectroswiss Sarl 5 Biomotif Ab 6 The Nottingham Trent University 7 Institut Pasteur 8 Spectrometry Vision BV	Coordinator Partner Partner Partner Partner Partner Partner	SE EL DE CH SE UK FR NL
triboREMEDY	The triboreactor as breakthrough remediation strategy for safeguarding human and environmental health	2,831,993.75 €	1 Fundacion Tekniker 2 Lulea Tekniska Universitet 3 Ac2t Research GmbH	Coordinator Partner Partner	ES SE AT

			4 Universiteit Antwerpen 5 Vrije Universiteit Brussel 6 Medizinsche Universitaet Wien 7 Urtek Water Technologies S.L.	Partner Partner Partner Partner	BE BE AT ES
VIDICAT	Versatile Ionomers for Divalent Calcium batteries	2,997,783.75 €	1 Universidad Carlos III De Madrid 2 Karlsruher Institut fuer Technologie 3 Fundacion Cidetec 4 Eras Labo Sarl 5 Forschungszentrum Julich GmbH 6 Universita Degli Studi Di Padova 7 Universite De Montpellier 8 Centre National De La Recherche Scientifique CNRS	Coordinator Partner Partner Partner Partner Partner Partner Partner	ES DE ES FR DE IT FR FR