Successful Irish applicants to Horizon 2020 Health calls – 2014-2019

# 2014

# Two-stage call - 2nd stage

| **Project Title** | **Project Acronym** | **PI Name** | **Institution/Business** | **Website** |
| --- | --- | --- | --- | --- |
| Novel Stromal Cell Therapy for Diabetic Kidney Disease | NEPHSTROM | Tim O’Brien **(Coordinator)**  Stephen Elliman  Ciaran Clissman | Remedi, NUI Galway Orbsen Therapeutics Ltd  Pintail Ltd | <http://nephstrom.eu/> |
| Enhancing the effectiveness of programs and strategies to prevent youth smoking: a comparative realist evaluation of 7 European cities | SILNE-R | Luke Clancy | Tobacco Free Research Institute Ireland | <http://silne-r.ensp.org/> |
| OPtimising thERapy to prevent Avoidable hospital admissions in the Multimorbid elderly | OPERAM | Denis O’Mahony | UCC | <http://www.operam-2020.eu/index.php?id=1488> |
| I-MOVE+ Integrated Monitoring of Vaccines Effects in Europe: a platform to measure and compare effectiveness and impact of influenza and pneumococcal vaccines and vaccination strategies in the elderly | I-MOVE-plus | Joan O’Donnell | Health Protection Surveillance Centre, HSE | <http://www.i-moveplus.eu/> |
| Added Value for Oral Care | ADVOCATE | Noel Woods  Maureen Walsh | UCC  DeCare Dental Ltd | <http://advocateoralhealth.com/> |
| Sustainable tailored integrated care for older people in Europe | SUSTAIN | Jeni Bremner | European Health Management Association Ltd | <http://www.sustain-eu.org/> |

| Models of Child Health Appraised | MOCHA | Maria Brenner | UCD | <http://www.childhealthservicemodels.eu/> |
| --- | --- | --- | --- | --- |
| Lifecourse biological pathways underlying social differences in healthy ageing | Lifepath | Richard Layte | TCD | <https://www.lifepathproject.eu/> |
| Efficacy and safety of lowdose IL-2 (ld-IL-2) as a Treg enhancer for antineuroinflammatory therapy in newly diagnosed Amyotrophic Lateral Sclerosis (ALS) patients | MICROCALS |  | ICON Clinical Research Ltd | <http://www.mirocals.eu/en/> |

# Single-stage ICT for Health call

| **Project Title** | **Project Acronym** | **PI Name** | **Institution/Business** | **Website** |
| --- | --- | --- | --- | --- |
| PATHway: Technology enabled behavioural change as a pathway towards better self-management of CVD | PATHway | Kieran Moran **(Coordinator)**  Anne Gallagher | DCU  Mater Private Hospital | <http://pathway2health.eu/> |
| 'Managing active and healthy aging with use of caring service robots | MARIO | Dympna Casey **(Coordinator)** | NUI Galway | <http://www.mario-project.eu/portal/> |
| INdependent LIving support Functions for the Elderly | IN LIFE | Regina Connelly | DCU | <http://www.inlife-project.eu/> |
| Evidence-based ICT tools for weight loss maintenance | NoHoW | Ciaran Clissman | Pintail Ltd | <http://nohow.eu/#home> |
| openMedicine | openMedicine | Suzanne McDonald | Irish Medicines Board | <http://www.open-medicine.eu/home.html> |

# Single-stage call including Coordinating and Supporting Actions

| **Project Title** | **Project Acronym** | **PI Name** | **Institution/Business** | **Website** |
| --- | --- | --- | --- | --- |
| Clinical trial of autologous adipose-derived mesenchymal stromal cells (ASC) in the treatment of mild to moderate osteoarthritis | ADIPOA2 | Frank Barry **(Coordinator)**  Cathal Moran  Ciaran Clissman | REMEDI, NUI Galway Sports Surgery Clinic Pintail Ltd | <http://adipoa2.eu/> |
| TBVAC2020; Advancing novel and promising TB vaccine candidates from discovery to preclinical and early clinical development | TBVAC2020 | Stephen Gordon | UCD | <http://www.tbvi.eu/> |
| ERACoSysMed - Collaboration on systems medicine funding to promote the implementation of systems biology approaches in clinical research and medical practice | ERACoSysMed (ERA NET) | Manus Ward | SFI | <https://www.eracosysmed.eu/> |
| PROEIPAHA: Coordination, Support and Promotion activities in favour of EIPAHA | PROEIPAHA | Jennifer Bremner | European Health Management Association Ltd | <http://ehma.org/projects/proeipaha/> |

# SME Instrument - Phase 1 Call

| **Project title** | **Project Acronym** | **PI Name** | **Institution/Business** | **Website** |
| --- | --- | --- | --- | --- |
| A device that will dramatically improve the protection of babies during birth. It will monitor the child continuously with better acuity, resulting in better clinical outcomes at a lower cost. | RepHorm | Garett Coady | BlueBridge Technologies Ltd | <http://bluebridgetechnologies.com/rephorm/> |
| An integrated automated ECG diagnostics platform to improve cardiac safety in clinical drug trials | CASI | Frank Keane | Vitalograph (Ireland) Ltd | <https://vitalograph.ie/> |
| PreEclampsia diagnosis by Early Kidney Injury Detection | PREKIND | Charles Garvey | Inform Bioscience Ltd | <http://www.informbio.com/> |

# SME Instrument - Phase 2 Call

| **Project title** | **Project Acronym** | **PI Name** | **Institution/Business** | **Website** |
| --- | --- | --- | --- | --- |
| Moving to Efficient Diabetes care: Multimode integrated CO-morbidity diagnostics platform | Medmico | Eoin Ó Nualláin | Radisens Diagnostics Ltd | <https://www.medmico-h2020.com/> |
| Advanced Validation of A Novel TB Active disease diagnostic to address Global unmet needs: a European consortium approach | Advance | Niamh O’Luanaigh | Biosensia Ltd | <http://www.biosensia.com/> |

# 2015

# Two-stage call - 2nd stage

| **Project Title** | **Project Acronym** | **PI Name** | **Institution/Business** | **Website** |
| --- | --- | --- | --- | --- |
| Development of closed, scalable and AUTOmated robotic systems for therapeutic STEM cell manufacturing: aseptic systems from ‘Donor-to-Patient’ | **AUTOSTEM** | Mary Murphy  **(Coordinator)**  Karen Twomey  Ciaran Clissman  John O’Dea  Stephen Elliman | NUI Galway  UCC  Pintail Ltd  Crospon Ltd  Orbsen Therapeutics Ltd | <http://www.autostem2020.eu/> |
| Children’s Liver Tumour European Research Network | **ChiLTERN** | Michael Capra | Our Lady’s Children’s Hospital | <https://www.birmingham.ac.uk/generic/chiltern/index.aspx> |
| Systems Medicine of Mitochondrial Parkinson’s Disease | **SysMedPD** | Niall Finnerty | NUI Maynooth | <http://sysmedpd.eu/project/> |

**Single-stage ICT for Health call including Coordinating and Supporting Actions and Pre Commercial Procurement**

| **Project Title** | **Project Acronym** | **PI Name** | **Institution/Business** | **Website** |
| --- | --- | --- | --- | --- |
| Integrated Technology Ecosystem for ProACTive Patient Centred Care | **ProACT** | John Dinsmore  **(Coordinator)**  Spyros Kotoulas  Julie Doyle  John Barton  Ed Murphy | TCD  IBM Ireland  Dundalk Institute of Technology  UCC  Home Instead Franchising Ltd | <http://proact2020.eu/> |
| Non-invasive monitoring of perinatal health through multiparametric digital representation of clinically relevant functions for improving clinical intervention in neonatal units | **DigiNewB** | Gearoid O’Laighin  David Toohey | NUI Galway  Syncrophi Systems Ltd | <http://www.digi-newb.eu/> |
| Tackling secondhand smoke in Europe: assessment of SHS exposure according to policies, attributable disease and economic burden, and impact of interventions for reducing the exposure | **TackSHS (CSA)** | Luke Clancy | TobaccoFree Research Institute Ireland | <http://tackshs.eu/> |
| Empowering Patients for a BeTTer Information and improvement of the Communication Systems | **EMPATTICS (PCP Co-fund)** | Malachy Rice | Kokomo Healthcare Ltd | <http://empattics.eu/> |
| Mobile Assistance for Groups Individuals within the Community – Stroke Rehabilitation | **MAGIC (PCP Co-fund)** | Regina Connelly | DCU | <http://magic-project.eu/> |

# SME Instrument - Phase 1 Call

| **Project title** | **Project Acronym** | **PI Name** | **Institution/Business** | **Website** |
| --- | --- | --- | --- | --- |
| Real-time molecular diagnostic testing for human infectious diseases using LAMP (Loop Mediated Isothermal Amplification) technology | **HG** | Peter Kidney | Hibergene Diagnostics Limited | <http://www.hibergene.com/> |
| Strategic planning for commercialisation of a multiplexed protein diagnostic (Dx) blood test for Organ-Confined Prostate Cancer | **OCProDX** | Stephen Pennington | Atturos Ltd | <http://atturos.com/ocprodx/> |

# SME Instrument - Phase 2 Call

| **Project title** | **Project Acronym** | **PI Name** | **Institution/Business** | **Website** |
| --- | --- | --- | --- | --- |
| OncoMasTR – Novel Prognostic Assay for Early Stage Breast Cancer | **OncoMasTR** | **Máirín Rafferty** / Liam Gallagher | Oncomark Ltd | <https://sites.google.com/a/oncomark.com/oncomastr/> |
| Saving the global healthcare system €2.9Bn by 2020 by enabling 70% of the patient population to be continuously monitored leading to a 20% reduction in adverse Respiratory Compromise patient events | **RespiraSense** | Myles Murry | PMD Device Solutions Ltd | <http://www.pmd-solutions.com/respiratory-monitoring/> |

# 2016

# Single-Stage Health call including Coordinating and Supporting Actions

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| --- | --- | --- | --- | --- |
| **Project Title** | **Project Acronym** | **PI Name** | **Institution/Business** | **Website** |
| Scaling up Safe Surgery for District and Rural Populations in Africa | SURG-Africa | Ruairi Brugha  **(Coordinator)** | Royal College of Surgeons in Ireland | <http://www.surgafrica.eu/> |
| Meaningful Integration of Data, Analytics and Services | MIDAS | Paul Davis | DCU | <http://www.midasproject.eu/> |
|  |  | Patrick O’Sullivan | IBM Ireland |  |
| Big data against childhood obesity | Big O | Tahar Kechadi  Grace O’Malley | UCD  Childrens’ University Hospital | <https://bigoprogram.eu/> |
| Activating Innovative IoT smart living environment for Ageing well | Activage | Martin Serrano | NUI Galway | <http://www.activageproject.eu/> |
| Development of DIALIVE, a novel Liver Dialysis Device for the treatment of patients with acute or Chronic Liver Failure (ACLF) | Aliver | Moises Sanchez | IBM Ireland | <http://aliver.info/> |
| Regenerative therapy of intervertebral disc: a double blind phase 2b trial of intradiscal injection of mesenchymal stromal cells in degenerative disc disease unresponsive to conventional therapy | RESPINE | Frank Barry | NUI Galway | <http://www.chu-montpellier.fr/en/respine/project/> |
| Strengthening management at district level to support the achievement of Universal Health Coverage | Perform 2 scale | Frédérique Vallières | TCD | <http://www.perform2scale.org/> |
| European Biomonitoring Initiative | HBM4EU | Maurice Mulcahy | HSE | <https://www.hbm4eu.eu/> |
| Improving digital health literacy in Europe | IC-Health | Jeni Bremner | European Health Management Association Ltd | <https://ichealth.eu/> |
| Transfer of Organisational innovations for resilient, effective, equitable, assessable, sustainable and comprehensive health services and systems | TO-REACH | Donna Tedstone  Jeni Bremner | Health Research Board  European Health Management Association Ltd | <https://to-reach.eu/> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A multicentre phase IIb study using HLA-unmatched allogeneic placenta-derived stromal cells (PLX-PAD) for the treatment of severe critical limb ischemia accompanied by mechanistic studies | PACE |  | Icon Clinical Research | <http://www.pace-h2020.eu/index.html> |
| Paediatric Clinical Research Infrastructure Network | PedCRIN | Mary Costello | The National Children’s Research Centre | <http://www.ecrin.org/projects/pedcrin> |

# SME Instrument Phase 2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Project Title** | **Project Acronym** | **PI Name** | **Institution/Business** | **Website** |
| Synchrotron Miniaturization enabling Innovative Laboratory equipment in soft x-ray tomography | SMILE | Tony McEnroe | SiriusXT | <http://siriusxt.com/> |

# 2017

# Single-Stage Health call

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| --- | --- | --- | --- | --- |
| **Project Title** | **Project Acronym** | **PI Name** | **Institution/Business** | **Website** |
| ERA-Net Cofund in Personalised Medicine | **ERA PerMed** | Mairead O’Driscoll | Health Research Board | <http://www.erapermed.eu/> |
| Coach Assistant via Projected and Tangible Interface | **CAPTAIN** | Unai Diaz-Orueta | Dublin City University | <http://captain-eu.org/> |
| IN-Silico trials for treatment of acute Ischemic STroke | **INSIST** | Michael Gilvarry  Pat McGarry | Neuravi Ltd  NUI Galway | <https://www.insist-h2020.eu/> |
| InSiSt: In-silico trials for drug-eluting BVS design, development and evaluation | **InSiSt** | Ted Vaughan  Aiden Flanagan | NUI Galway  Boston Scientific Ltd | <https://insilc.eu/> |
| Personalised Medicine by Predictive Modeling in Stroke for better Quality of Life | **PRECISE4Q** | John Kelleher | TU Dublin | <https://www.precise4q.eu/> |

# Two-stage health call – 2nd Stage

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Project Title** | **Project Acronym** | **PI Name** | **Institution/Business** | **Website** |
| Advancing a Precision Medicine Paradigm in metastatic Colorectal Cancer: Systems based stratification solutions | **COLOSSUS** | Annette Byrne **(Coordinator)**  Walter Kolch  Verena Murphy  Ciaran Clissman | RCSI  UCD  Cancer Trials Ireland  Pintail Ltd | <https://www.colossusproject.eu/> |
| Safety and efficiency of tauroursodeoxycholic acid (TUDCA) as add-on treatment in patients affected by amyotrophic lateral sclerosis (ALS) | **TUDCA-ALS** | Orla Hardiman | TCD | <http://www.tudca.eu/> |
| Placenta-expanded adherent stromal cells (PLX-PAD) as an innovative therapy for improving recovery and survival following hip fracture arthroplasty – HIPGEN, a multicentre phase II trial | **HIPGEN** | Jeroen Kleijne | ICON Clinical Research Ltd | <https://hipgen.eu/> |

# SME Instrument Phase 2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Project Title** | **Project Acronym** | **PI Name** | **Institution/Business** | **Website** |
| EASIVIRAL | **EASIVIRAL** | Tim Cummins | Altratech Ltd | <http://altratech.com/> |
| Accelerating the commercialisation of a disruptive analytical technology which enables thebiopharmaceutical industry to manufacture drugs faster, cheaper and with greater regulatory confidence | **BIOSIM** | Gerry Clifford | Valitacell Ltd | <http://www.valitacell.com/> |

# 2018

# Single-Stage Health call

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| --- | --- | --- | --- | --- |
| **Project Title** | **Project Acronym** | **PI Name** | **Institution/Business** | **Website** |
| Genome, Environment, Microbiome & Metabolome in Autism: an integrated multi-omic systems biology approach to identify biomarkers for personalized treatment and primary prevention of Autism Spectrum | **GEMMA** | Geraldine Leader | NUI Galway | <https://www.gemma-project.eu/> |
| Induced pluripotent stem cell-based therapy for spinal regeneration | **iPSpine** | Abhay Pandit | NUI Galway | <http://curamdevices.ie/curam/research/eu-projects/currentprojects/societal-challenges/ipspine/> |
| A multistage model of thyroid gland function for screening endocrine-disrupting chemicals in a biologically sex-specific manner | **SCREENED** | Stephen Pennington  Stephen Finn | UCD  Atturos | <https://www.screened-project.eu/> |
| Strengthening training of academia in regulatory sciences and supporting regulatory scientific advice (STARS) | **STARS** | Larry O’Dwyer | HPRA | <https://www.csa-stars.eu/> |
| PanCareFollowUp: Novel, patient-centred survivorship care to improve care quality, effectiveness, cost-effectiveness and accessibility for survivors and caregivers | **PanCare FollowUP** | Ciaran Clissman | Pintail | <http://pancarefollowup.eu/> |
| Evaluation of Dyadic Psychoeducational Interventions for People with Advanced Cancer and their Informal Caregivers (DIAdIC): An international randomized controlled trial | **DIAdIC** | Phillip Larkin,  Suzanne Guerin  Charles Normand | UCD  TCD | <http://diadic.eu/> |
| Better treatments for breathlessness in palliative and end of life care | **BETTER-B** | Karen Ryan  Charles Normand | UCD  TCD | <https://betterbreathe.eu/> |
| Integrating and decentralising diabetes and hypertension services in Africa | **INTE-AFRICA** | Walter Cullen | UCD | <https://www.isglobal.org/en/-/inte-africa> |
| European Joint Programme on Rare Diseases | **EJP RD** | Annalisa Montesanti | HRB | <http://www.ejprarediseases.org/> |
| Breaking down the wall between human health and environmental testing of endocrine disrupters: EndocRine Guideline Optimisation | **ERGO** | Avril Hanbidge | AquaTT UETP Ltd | <https://ergo-project.eu/> |
| ERA-NET to support the Joint Programming in Neurodegenerative Diseases strategic plan (JPND) | **JPCOFUND2** | Caitriona Creely | HRB | <https://www.neurodegenerationresearch.eu/>initiatives/jpcofund/ |
| Integrating Environment and Health Research: a Vision for the EU | **HERA** | Vivienne Byers‌  Alan Gilmer | National College of Ireland  TU Dublin | <https://www.heraresearcheu.eu/> |
| Smart Age-friendly Living and Working Environment | **SmartWork** | Valentina Tageo | ECHAlliance Company Limited | <http://www.smartworkproject.eu/> |
| DigitalHealthEurope: Support to a Digital Health and Care Innovation initiative in the context of Digital Single Market strategy | **DigitalHealthEurope** | Valentina Tageo | ECHAlliance Company Limited | <https://digitalhealtheurope.eu/> |
| Protection and privAcy of hospital and health iNfrastructures with smArt Cyber sEcurity and cyber threat toolkit for dAta and people | **PANACEA** | Peter Daly | Irish Centre for emergency management | <https://panacearesearch.eu/> |
| A Universal Cyber Security Toolkit for Health-Care Industry | **SPHINX** | Pantelis Velanas | Konnekt-able Technologies Limited | <https://sphinx-project.eu/> |
| EXpanding Platforms for Efficacious mRNA Therapeutics | **EXPERT** | Adriele Prina-Mello | TCD | <https://www.expert-project.eu/> |

**2019**

**Single-stage health call**

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| --- | --- | --- | --- | --- |
| **Project Title** | **Project Acronym** | **PI Name** | **Institution/Business** | **Website** |
| Implementation Action to prevent Diabetes from Bump 2 Baby (IMPACT DIABETES B2B): a low resource system of care intervention for appropriate gestational weight gain and improved postnatal outcomes | **ImpactDiabetesB2B** | Sharleen O’Reilly  **(Coordinator)** | UCD |  |
| Mental Health Promotion and Intervention in Occupational Settings | **Mindup** | Ella Arensman  **(Coordinator)**  Birgit Greiner  Ciaran Clissman | UCC  NSRF  Pintail Ltd. | <https://www.mindupproject.eu> |
| Brain Involvement iN Dystrophinopathies | **BIND** | Ewa Sokolowska  Vincent Kelly | Transpharmation Ireland Ltd.  TCD |  |
| MiCrovasculaR rarefaction in vascular Cognitive Impairment and heart faiLure | **CRUCIAL** | Michael Browne | Crowdhelix |  |
| Development, diagnostic and prevention of gender-related Somatic and mental COmorbitiEs in iRritable bowel syndrome In Europe | **DISCOvERIE** | John Cryan | UCC |  |
| Flagellin aerosol therapy as an immunomodulatory adjunct to the antibiotic treatment of drug-resistant bacterial pneumonia | **FAIR** |  | Aerogen |  |
| Appropriate use of Caesarean section through QUALIty DECision-making by women and providers | **QUALI-DEC** | Michael Robson | UCD (National Maternity Hospital) |  |
| Magnet4Europe: ImprovingMental Health and Werllbeing in the Health Care Workplace | **Magnet4Europe** | Johnathan Drennan | UCC | <http://www.magnet4europe.eu/> |
| Digital, risk-based screening for atrial fibrillation in the European Community | **Affect-EU** | Breda Smyth  Claire Buckley | HSE  UCC |  |
| Automated Cellular Robot-Assisted Technologies for translation of discovery-led research in Osteoarthritis | **AutoCRAT** | Mary Murphy/Frank Barry  **(Coordinator)**  Stephanie Davies  Ciaran Clissman | NUI Galway  Valitacell Ltd  Pintail Ltd | <https://www.autocrat.eu/> |
| Computational biomechanics and bioengineering 3D printing to develop a personalised regenerative biological ventricular assisted device to provide lasting functional support to damaged hearts | **BRAV3** |  | Boston Scientific |  |
| Smart and Healthy Ageing through people engaging in supportive systems | **SHAPES** | Mac McLaughlan Michael Cooke **(Coordinator)**  Ciara Moran  Willie Molloy | Maynooth University  Access Earth Limited  UCC |  |
| Widening Sino-EU policy and research cooperation in Personalised Medicine | **SINO-EU-PerMed** | Mairead O’Driscoll | HRB | <https://www.toscanalifesciences.org/en/projects/sino-eu-permed/> |
| A Federated Artificial Intelligence solution for monitoring mental health status after cancer treatment | **FAITH** | Gary McManus/Jim Clarke **(TSSG) (Coordinator)** | Waterford Institute of Technology  Euro Care Healthcare Ltd  TFC Research & Innovation Ltd |  |
| Smart living homes – whole interventions demonstrator for people at health and social risks | **Gatekeeper** | Valentina Tageo | ECHAlliance Company Ltd | <https://www.gatekeeper-project.eu/> |
| Cancer Long Survivors Artificial Intelligence Follow up | **Clarify** | Vit Novacek  Dirk Fey | Insight, NUI Galway  UCD (Systems Biology)  Accenture |  |
| Value-based methodology for integrated care supported by ICT | **Valuecare** | Aine Carroll  Valentina Tageo | UCD  ECHAlliance Ltd | <https://projectvaluecare.eu/> |
| Big data models and intelligence tools for quality of life monitoring and participatory empowerment of head and neck cancer survivors | **BD4QoL** |  | IBM Ireland |  |
| Up-scaling the global univocal identification of medicines | **Unicom** |  | Department of Health  HPRA  Irish Pharmacy Union | <https://unicom-project.eu/> |