

Overview ESR projects H2020 MSCA COFUND RESCUE www.RESCUE-COFUND.eu

ESR No.	Title ESR project	Required MSc degree (or almost finished)	PI	Org.	Division/Fac.	Department	Partner Organisation 1	Partner Organisation 2	Requirements mobility eligibility criteria
ESR 1.1	Protecting and regenerating the gut during allogeneic bone marrow transplantation	Biomedical sciences, pharmaceutical sciences, or related	Coffer, Lindemans	UMCU	Biomedical Genetics	Stem cells	Ocello BV, NL	Harvard-Massachusetts Inst. of Technology (MIT)	The candidate should not have lived in the Netherlands and the USA for more than 12 months in the last 3 years prior to 27 August 2018 and should be a national or long-term (> 5 years) resident of an EU member state or associated country.
ESR 1.2	Modulating Wnt signaling responses in stem cells and cancer	Molecular and Cellular Life Sciences, or related	Maurice	UMCU	Biomedical Genetics	Molecular Cell Biology	The Hebrew University University of Jerusalem, IL	Pepsan BV, NL	The candidate should not have lived in the Netherlands and Israel for more than 12 months in the last 3 years prior to 27 August 2018 and should be a national or long-term (> 5 years) resident of an EU member state or associated country.
ESR 1.3	Dissecting the role of the endo-lysosomal system in tissue generation	Biology, Life Sciences, or related	Klumperman	UMCU	Biomedical Genetics	Cell biology	Delft University of Technology, NL	Delmic BV, NL	The candidate should not have lived in the Netherlands for more than 12 months in the last 3 years prior to 27 August 2018.
ESR 1.4	Humanized in vitro models for dissecting the molecular mechanisms of neurological disease	Neuroscience, or related	Pasterkamp	UMCU	Neurosciences	Translational Neuroscience	University of Copenhagen, DK	InteRNA technologies BV, NL	The candidate should not have lived in the Netherlands and Denmark for more than 12 months in the last 3 years prior to 27 August 2018.
ESR 1.5	The interplay between senescence and stem cells in tissue regeneration	Biomedical or life sciences, or related	de Bruin, Keizer (UIMCU)	UU	Faculty of Veterinary Medicine	Pathobiology	tba	tba	The candidate should not have lived in the Netherlands months in the last 3 years prior to 27 August 2018.
ESR 1.6	In vitro bovine follicle culture and embryo culture	Biology, or related	Roelen	UU	Faculty of Veterinary Medicine	Stem cells and Developmental Biology	Leiden University Medical Center, NL	Noviocyte BV, NL	The candidate should not have lived in the Netherlands for more than 12 months in the last 3 years prior to 27 August 2018.
ESR 1.7	Personalized medicine for patients with congenital intestinal disease	Biomedical sciences, pharmaceutical sciences, or related	Beekman	UMCU	Child	Organoids	tba	tba	The candidate should not have lived in the Netherlands months in the last 3 years prior to 27 August 2018.
ESR 1.8	Personalized medicine for patients with congenital intestinal disease	Cellular and/or molecular biology, biomedical sciences or related	Middendorp	UMCU	Child	Organoids	tba	tba	The candidate should not have lived in the Netherlands months in the last 3 years prior to 27 August 2018.
ESR 1.9	Epithelial based diagnostics for Very Early-Onset Inflammatory Bowel Disease (VEO-IBD)	cellular, molecular biology, biomedical sciences or in a related	Mokry	UMCU	Child	Organoids	Micalis Institute, UMR INRA-AgroParisTech University, FR	Cedar-Sinai Medical Center, NL	The candidate should not have lived in the Netherlands and France for more than 12 months in the last 3 years prior to 27 August 2018.
ESR 1.10	The injured newborn brain: unravelling the impact and repair mechanisms of stem cell therapy	Biomedical Sciences, or related	Nijboer	UMCU	Woman and Baby	Lab. of Neuroimm. & Developmental Origins	University Hospital Dresden, DE	Chiesi farmaceutici S.P.A., IT	The candidate should not have lived in the Netherlands, Germany and Italy for more than 12 months in the last 3 years prior to 27 August 2018.
ESR 2.1	Ex vivo Cardiac repair	Biology, medicine, biomedical science, or technical medicine	Doevendans	UMCU	Hart and Lungs	Cardiology	Stanford Cardiovascular Institute, Stanford Medicine, US	LifeTec group BV, NL	The candidate should not have lived in the Netherlands and the USA for more than 12 months in the last 3 years prior to 27 August 2018 and should be a national or long-term (> 5 years) resident of an EU member state or associated country.
ESR 2.2	Validating organ-on-chip models for further implementation	Pharmaceutical, biomedical or life sciences or related	Masereeuw, Janssen	UU	Faculty of Science	Pharmaceutical Sciences- Pharmacology	Brigham and Women's Hospital, Harvard Medical School, US	Micronit Microtechnologies B.V., NL	The candidate should not have lived in the Netherlands and the USA for more than 12 months in the last 3 years prior to 27 August 2018 and should be a national or long-term (> 5 years) resident of an EU member state or associated country.
ESR 2.3	Circadian Rhythms in Cardiac Repair	Biomedical Sciences, Molecular Biology	Sluijter	UMCU	Hart and Lungs	Cardiology	Hannover Medical School, DE	Pharmahungary 2000 Ltd., HU	The candidate should not have lived in the Netherlands, Germany and Hungary for more than 12 months in the last 3 years prior to 27 August 2018.
ESR 2.4	Development of high throughput applications for renal organoids	Biomedical Sciences, or related	Verhaar	UMCU	Internal Medicine & Dermatology	Nephrology	University of Technology Eindhoven, NL	Mimetas BV, NL	The candidate should not have lived in the Netherlands for more than 12 months in the last 3 years prior to 27 August 2018.
ESR 2.5	Vascularized organs on a chip	Biology, medical biology or tissue engineering	Cheng	UMCU	Internal Medicine & Dermatology	Regenerative Vascular Medicine	Viscofan Bioengineering GmbH, DE	n/a	The candidate should not have lived in the Netherlands and Germany for more than 12 months in the last 3 years prior to 27 August 2018.
ESR 2.6	Circadian Rhythms in Cardiac Repair	Biomedical Sciences, Molecular Biology	van Laake	UMCU	Hart and Lungs	Cardiology	Luxembourg Institute of Health, LU	KiOmed pharma, BE	The candidate should not have lived in the Netherlands, Luxembourg and Belgium for more than 12 months in the last 3 years prior to 27 August 2018.
ESR 2.7	Kidney regeneration in an Organ-on-a-chip model	Biology, Biomedical Sciences or related	van Balkom	UMCU	Internal Medicine & Dermatology	Nephrology	University of Turino, IT	Orhtros TR BV i.o., NL	The candidate should not have lived in the Netherlands and Italy for more than 12 months in the last 3 years prior to 27 August 2018.
ESR 2.8	Tissue engineering for urethral reconstruction	(Veterinary) medicine, biomedical sciences, biology or related	de Graaf, de Kort	UMCU	Surgical Specialties	Urology	Aalborg University, DK	Viscofan, DE	The candidate should not have lived in the Netherlands, Denmark and Germany for more than 12 months in the last 3 years prior to 27 August 2018.
ESR 2.9	(Re-) Activating endogenous cardiac regeneration - Assessing clinical applicability of FSTL1 as a therapeutic for ischemic heart disease	Biomedical Sciences	Chamuleau	UMCU	Hart and Lungs	Cardiology	tba	tba	The candidate should not have lived in the Netherlands for more than 12 months in the last 3 years prior to 27 August 2018.
ESR 3.1	Novel treatment of periprosthetic joint infection	Medicine, medical biology or related	Weinans, de Jong	UMCU	Surgical Specialties	Orthopedics	Uni. of Eastern Finland, FI	Nordic Bioscience A/S, DK	The candidate should not have lived in the Netherlands, Finland and Denmark for more than 12 months in the last 3 years prior to 27 August 2018.
ESR 3.2	Convergence of biofabrication technologies for musculoskeletal regenerative medicine	Biofabrication, biomedical engin., biomaterials	Malda, Castilho	UMCU	Surgical Specialties	Orthopaedics, Biofabrication	University Clinic Würzburg, DE	RegenHU Biosystem ASA, CH	The candidate should not have lived in the Netherlands, Germany and Switzerland for more than 12 months in the last 3 years prior to 27 August 2018.
ESR 3.3	Radiation free 3D imaging and early treatment of spinal disorders	Medicine, medical biology or related	Castelein	UMCU	Surgical Specialties	Orthopaedics, Biofabrication	Chinese University of Hong Kong, HK	K2M Inc, US	The candidate should not have lived in the Netherlands, Hong Kong and the USA for more than 12 months in the last 3 years prior to 27 August 2018 and should be a national or long-term (> 5 years) resident of an EU member state or associated country.
ESR 3.4	Development of smart biomaterials for incorporation in biofabrication processes	(Polymer) chemistry, biomedical engineering, biomaterials	Malda, Vermonden (UU)	UMCU	Surgical Specialties	Orthopaedics, Biofabrication	Brigham and Women's Hospital, Harvard Medical School, US	Cellink AG, SE	The candidate should not have lived in the Netherlands, USA and Sweden for more than 12 months in the last 3 years prior to 27 August 2018 and should be a national or long-term (> 5 years) resident of an EU member state or associated country.
ESR 3.5	The possible role of stem cell-derived extracellular vesicles in articular regeneration in an equine model	Biomedical sciences, medicine, veterinary science	van Weeren	UU	Faculty of Veterinary Medicine	Tissue Regeneration in Joint Diseases	Semmelweis University, HU	Global Stem Cell Technology NV, BE	The candidate should not have lived in the Netherlands, Hungary and Belgium for more than 12 months in the last 3 years prior to 27 August 2018.
ESR 3.6	Inflammation as a tool for regenerative bone formation (iBone)	Medicine, medical biology or related	Alblas	UMCU	Surgical Specialties	Orthopaedics, Biofabrication	University of New South Wales, AU	Kuros Biosciences BV, NL	The candidate should not have lived in the Netherlands and Australia for more than 12 months in the last 3 years prior to 27 August 2018 and should be a national or long-term (> 5 years) resident of an EU member state or associated country.
ESR 3.7	Promoting and Directing Reossification in Spinal Metastases	Biomedical science, medicine	Verlaan	UMCU	Surgical Specialties	Orthopedics	University of British Columbia, CA	AOSpine Knowledge Forum Tumor International, CH	The candidate should not have lived in the Netherlands, Canada and Switzerland for more than 12 months in the last 3 years prior to 27 August 2018 and should be a national or long-term (> 5 years) resident of an EU member state or associated country.
ESR 3.8	Biomaterial-based drug delivery in intervertebral disc (IVD) degeneration	Biomedical Sciences/Biology	Creemers	UMCU	Surgical Specialties	Orthopedics	AO Research Institute Davos (ARI), CH	20Med Therapeutics BV, NL	The candidate should not have lived in the Netherlands and Switzerland for more than 12 months in the last 3 years prior to 27 August 2018.
ESR 3.9	Translational Aspects in Vascularized Maxillofacial Bone Regeneration	Tissue engineering, reg. med., biomedical-sciences, and -engineering, biomaterials	Gawlitza, Rosenberg	UMCU	Surgical Specialties	Oral Surgery	Würzburg University, DE	Kuros Biosciences, NL	The candidate should not have lived in the Netherlands and Germany for more than 12 months in the last 3 years prior to 27 August 2018.
ESR 3.10	Deep Learning Imaging to Value and Supervise Osteoarthritis Progression	Medicine, medical biology	Seevinck, de Jong	UMCU	Imaging	Interventional and musculoskeletal imaging	Prince of Wales Hospital, CUHK	MRI Guidance BV, NL	The candidate should not have lived in the Netherlands and Hong Kong for more than 12 months in the last 3 years prior to 27 August 2018 and should be a national or long-term (> 5 years) resident of an EU member state or associated country.