

ERC Advanced Grants (completed)

ERC Advanced Grant 2015

Recirculated tissue macrophages (TiMa) in blood: Novel approach to early diagnosis and treatment monitoring in oncology (TiMaScan)

PI: Jacques J.M. van Dongen

Dept. of Immunohematology and Blood Transfusion

ERC Advanced Grant 2015 - panel LS7

EC contribution: EUR 2.500.000

Start date: 01 November 2016 - End date: 31 October 2023

Host institution: Erasmus Medical Center was the Host Institution at the time of application, whereafter the PI moved to LUMC early 2016. Therefore, LUMC has been Host Institution for the full project duration.

Read more: [TiMaScan project at EC Cordis website](#)

ERC Advanced Grant 2015

The ER located master regulation of endosomal positioning and further movements (ERCOPE)

PI: Sjaak Neefjes

Dept. of Cell & Chemical Biology

ERC Advanced Grant 2015 - panel LS3

EC contribution: EUR 2.383.625

Start date: 01 September 2016 - End date: 31 August 2022

Host institution: The Netherlands Cancer Institute was the Host Institution at the time of application, whereafter the PI moved to LUMC early 2016. Therefore, LUMC has been Host Institution for the full project duration.

Read more: [ERCOPE project at EC Cordis website](#)

Sjaak Neefjes already received an ERC Advanced Grant 2009, with the Netherlands Cancer Institute as host institution.

ERC Advanced Grant 2014

Novel materials to improve magnetic resonance imaging (NOMA-MRI)

PI: Andrew Webb

Dept. of Radiology

ERC Advanced Grant 2014 - panel LS7

EC contribution: EUR 2.263.692

Start date: 01 November 2015 - End date: 30 April 2021

Read more: [NOMA-MRI project at EC Cordis website](#)

ERC Advanced Grant 2012

Integrating cancer detection and SURgery Via molecular Imaging (SURVIVE)

PI: Cock van de Velde

Dept. of Surgery

ERC Advanced Grant 2012 - panel LS7

EC contribution: EUR 2.487.600

Start date: 01 November 2012 - End date: 31 October 2019

Read more: [SURVIVE project at EC Cordis website](#)

ERC Advanced Grant 2012

Human Pluripotent Stem Cells: the new heart patient? (STEMCARDIOVASC)

PI: Christine Mummery

Dept. of Anatomy & Embryology

ERC Advanced Grant 2012 - panel LS7

EC contribution: EUR 2.500.000

Start date: 01 November 2012 - End date: 31 October 2018

Read more: [STEMCARDIOVASC project at EC Cordis website](#)

*ERC Consolidator Grants (completed)***ERC Consolidator Grant 2017**

Attempts to control the end of life in people with dementia: two-level approach to examine controversies (CONT-END)

PI: Jenny van der Steen

Dept. of Public Health and Primary Care

ERC Consolidator Grant 2017 - panel SH3

EC contribution: EUR 1,988,972

Start date: 01 December 2018 - End date: 31 May 2025

Read more: [CONT-END project at EC Cordis website](#)

ERC Consolidator Grant 2016

Oogenesis spotlighted: making mature human oocytes (OVO-GROWTH)

PI: Susana Chuva de Sousa Lopes

Dept. of Anatomy & Embryology, LUMC

ERC Consolidator Grant 2016 - panel LS7

EC contribution: EUR 2,000,000

Start date: 01 July 2017 - End date: 28 February 2023

Read more: [OVO-GROWTH project at EC Cordis website](#)

ERC Consolidator Grant 2016

The role of complement in the induction of autoimmunity against post-translationally modified proteins (AUTOCOMPLEMENT)

PI: Leendert Trouw

Depts. of Rheumatology and Immunology, LUMC

ERC Consolidator Grant 2016 - panel LS7

EC contribution: EUR 1,999,802

Start date: 01 September 2017 - End date: 31 August 2023

Read more: [AUTOCOMPLEMENT project at EC Cordis website](#)

ERC Consolidator Grant 2013

CHROMATIN-REPAIR-CODE: Hacking the chromatin code for DNA repair (CHROMATINREPAIRCODE)

PI: Haico van Attikum

Dept. of Human Genetics, LUMC

ERC Consolidator Grant 2013 - panel LS2

EC contribution: EUR 1,999,575

Start date: 01 March 2014 - End date: 28 February 2019

Read more: [CHROMATIN-REPAIR-CODE project at EC Cordis website](#)

*ERC Starting Grants (completed)***ERC Starting Grant 2022**

Mending sex differences: Unravelling the female predominance in pulmonary hypertension (FEMALE-PH)

PI: Konda Babu Kurakula

Dept. of Cell and Chemical Biology

ERC Starting Grant 2022 – panel LS7

EC contribution: EUR 1,499,999

Host institution: LUMC was the Host Institution at the time of application. After being granted, the PI and his ERC project moved to Amsterdam University Medical Center in 2023, where the project started.

Read more: [FEMALE-PH project at EC Cordis website](#)

ERC Starting Grant 2019

Rational design of cancer Immunotherapy: one size does not fit all (RARITY)

PI: Noel de Miranda

Dept. of Pathology

ERC Starting Grant 2019 - panel LS7

EC contribution: EUR 1,499,795

Start date: 01 December 2019 - End date: 30 November 2024

Read more: [RARITY project at EC Cordis website](#)

ERC Starting Grant 2017

Protein nano-patterning using DNA nanotechnology; control of surface-based immune system activation (BioNanoPattern)

PI: Thom Sharp

Dept. of Cell & Chemical Biology

ERC Starting Grant 2017 - panel LS9

EC contribution: EUR 1,499,850

Start date: 01 January 2018 - End date: 31 December 2023

Read more: [BioNanoPattern project at EC Cordis website](#)

ERC Starting Grant 2016

Rheumatoid Arthritis Caught Early: investigating biological mechanisms preceding chronification of joint inflammation to identify patients prior to presentation of classic chronic arthritis (RACE)

PI: Annette van der Helm - van Mil

Dept. Of Rheumatology

ERC Starting Grant 2016 - panel LS7

EC contribution: EUR 1,500,000

Start date: 01 October 2017 - End date: 31 March 2024

Read more: [RACE project at EC Cordis website](#)

ERC Starting Grant 2016

Biological auto-detection and termination of heart rhythm disturbances (Bio-ICD)

PI: Daniel Pijnappels

Dept. of Cardiology

ERC Starting Grant 2016 - panel LS7

EC contribution: EUR 1.485.028

Start date: 01 March 2017 - End date: 28 February 2023

Read more: [Bio-ICD project at EC Cordis website](#)

ERC Starting Grant 2014

Stem Cells for Cardiac Arrhythmia Risk Assessment (STEMCARDIORISK)

PI: Richard Davis

Dept. of Anatomy & Embryology

ERC Starting Grant 2014 - panel LS7

EC contribution: EUR 1.500.000

Start date: 01 November 2015 - End date: 30 April 2021

Read more: [STEMCARDIORISK project at EC Cordis website](#)

ERC Starting Grant 2012*

Cracking the SUMO Signalling Code (DECODINGSUMO)

PI: Alfred Vertegaal

Dept. of Molecular Cell Biology

ERC Starting Grant 2012 - panel LS1

EC contribution: EUR 1.517.698

Start date: 01 January 2013 - End date: 31 December 2017

Read more: [DECODINGSUMO project at EC Cordis website](#)

ERC Starting Grant 2012*

Hybrid imaging agents for the illumination of peripheral nerve structures (ILLUMINATING NERVES)

PI: Fijs van Leeuwen

Dept. of Radiology

ERC Starting Grant 2012 - panel PE5

EC contribution: EUR 1.498.800

Start date: 01 August 2012 - End date: 31 July 2017

Read more: [ILLUMINATING NERVES project at EC Cordis website](#)

ERC Starting Grant 2011*

Decoding the ubiquitin code (UBICODE)

PI: Huib Ovaa

Dept. of Cell & Chemical Biology

ERC Starting Grant 2011 - panel LS1

EC contribution: EUR 1.498.240

Start date: 01 November 2011 - End date: 31 October 2016

Host institution: Netherlands Cancer Institute was the initial Host Institution of this grant, the PI and his ERC project moved to LUMC early 2016.

Read more: [UBICODE project at EC Cordis website](#)

ERC Starting Grant 2009*

Morphostasis of the intestinal mucosa and it's deregulation in cancer and inflammation (MORPHOSTASIS)

PI: Gijs van den Brink

Dept. of Gastroenterology & Hepatology

ERC Starting Grant 2009 - panel LS4

EC contribution: EUR 1.524.462

Start date: 01 October 2009 - End date: 30 September 2014

Host institution: LUMC was the initial Host Institution of this grant, the PI and his ERC project moved to University Medical Center Amsterdam in 2010

Read more: [MORPHOSTASIS project at EC Cordis website](#)

ERC Starting Grant 2007*

Developmental and Genetic Analysis of DNA Double-Strand Break Repair (DSBrepair)

PI: Marcel Tijsterman

Dept. of Human Genetics

ERC Starting Grant 2007 - panel LS2

EC contribution: EUR 1.060.000

Start date: 01 May 2008 - End date: 30 April 2014

Host institution: Hubrecht Institute at the Royal Netherlands Academy of Arts and Sciences (KNAW) was the initial Host Institution of this grant, the PI and his ERC project moved to LUMC in 2009.

Read more: [DSBrepair project at EC Cordis website](#)

**: Until 2012, the ERC Starting Grants eligibility window was up to 12 (instead of 7) years post-PhD. The ERC Consolidator Grants scheme has been launched in 2013.*

ERC Proof-of-Concept (completed)

ERC Proof of Concept Grant 2024

Developing a human-based stem cell model for reproductive toxicity (ReproTox)

PI: Susana Chuva de Sousa Lopes

Dept. of Anatomy and Embryology

EC contribution: EUR 150,000

Start date: 01-08-2024 – End date: 31-01-2026

Read more: [ReproTox project at EC Cordis website](#)

ERC Proof of Concept Grant 2023

Targeting the dark side of the human genome — non-coding regulatory elements — to treat diseases (TargetNCREs)

PI: Baoxu Pang

Dept. of Cell and Chemical Biology, LUMC

EC contribution: EUR 150,000

Start date: 01 May 2024 - End date: 31 October 2025

Read more: [TargetNCREs project at EC Cordis website](#)

ERC Proof of Concept Grant 2019

Assessing cardiac contractility and quantification of underlying mechanisms In vitro via response in excitation-contraction coupling (ACQUIRE)

PI: Christine Mummery

Dept. of Anatomy & Embryology, LUMC

EC contribution: EUR 150,000

Start date: 01 September 2020 - End date: 31 August 2022

Read more: [ACQUIRE project at EC Cordis website](#)

ERC Proof of Concept Grant 2018

Targeted molecular imaging and surgery for gastro-intestinal cancer (TactIC)

PI: Cock van de Velde

Dept. of Surgery, LUMC

EC contribution: EUR 150,000

Start date: 01 August 2019 - End date: 31 January 2021

Read more: [TactIC project at EC Cordis website](#)

ERC Proof of Concept Grant 2017

Tracers for targeting nerves in the autonomic nervous system (AUTO NERVE)

PI: Fijs van Leeuwen

Dept. of Radiology, LUMC

EC contribution: EUR 140,000

Start date: 01 September 2018 - End date: 29 February 2020

Read more: [AUTO NERVE project at EC Cordis website](#)

ERC Proof of Concept Grant 2015

Translation of a fluorescent myelin specific peripheral nerve tracer (MY NERVE)

PI: Fijis van Leeuwen

Dept. of Radiology, LUMC

EC contribution: EUR 140,000

Start date: 01 March 2016 - End date: 31 August 2017

Read more: [MY NERVE project at EC Cordis website](#)