## Accreditation

The 7th Sanquin Spring Seminar is accredited by the following scientific and professional organisations

**Dutch Society for Internal Medicine (NIV)** 

**Dutch Society for Pediatrics (NVK)** 

Dutch College of Medical Immunologists (Dutch Society of Immunology, NVvI)

Netherlands Association for Donor Medicine (NVDG, AbSG)

Dutch Society for Obstetrics and Gynecology (NVOG)

Netherlands Society for Clinical Chemistry and Laboratory Medicine (NVKC)

Dutch Society for BioMedical Laboratory Staff (NVML)

A personalised certificate of attendance will be provided by email after the conference, listing the accrediting organisations

Program 7<sup>th</sup> Sanquin Spring Seminar 5 April 2019





9:00 9:25	Registration, coffee/tea Welcome	13:45	Ellie Karampini (Sanquin Research, Amsterdam, The Netherlands) Sec22b-dependent trafficking is essential for VWF multimerization and WPB formation
	René van Lier (Director Sanquin Research)		
	Session I - Red blood cells Chair: Marieke von Lindern (Sanquin Research, Amsterdam,	14:00	Iris Kreft (Sanquin Research, Amsterdam, The Netherlands)  Proteome profiling of platelet disorders using mass spectrometry
		14:15	Cedric Ghevaert (University of Cambridge, United Kingdom)  Differentiation of human pluripotent stem cells to megakaryocytes by
9:30	Matthew Porteus (Stanford University School of Medicine, USA)  Genome editing in human pluripotent stem cells		forward programming
		14:45	Break
10:15	Marea van der Rijst (Sanquin Research, Amsterdam, The Netherlands)  Dominant effects of mutations in SMIM1 resulting in low VEL expression occur late in erythroid differentiation		Session III - Stem cells and cellular therapies Chair: Carlijn Voermans (Sanquin Research, Amsterdam, The Netherlands)
10:30	Francesca Aglialoro (Sanquin Research, Amsterdam, The Netherlands)  PIEZO1 mediated calcium-induced signal transduction in erythroblasts	15:15	Gerald de Haan (University of Groningen, The Netherlands) Hematopoietic stem cell aging
	modulates erythropoiesis	15:45	Ilse Timmerman (Sanguin Research, Amsterdam, The Netherlands)
10:45			Mesenchymal stromal cells in the metastatic bone marrow niche of neuroblastoma
11:15	Thijs Verheul (ErasmusMC, Rotterdam, The Netherlands)		
	Cell-based high throughput screening for gamma-globin inducers to expand treatment options for sickle cell disease	16:00	Twan de Waard (Sanquin Research, Amsterdam, The Netherlands)  The glycosphingolipid repertoire orchestrates HLA class I-mediated immune
11:30	Ash Toye (University of Bristol, United Kingdom)		responses
	Enhancement of red blood cell transfusion compatibility using CRISPR-mediated erythroblast gene editing	16:15	Tissue damage regulates maintenance of tissue resident T cells (T <sub>RM</sub> ) via
	Lunch		P2RX7
		16:30	Paul Frenette (Albert Einstein College of Medicine, New York, USA)
	Session II – Platelets		Niches for hematopoietic stem cells and their progeny
	Chair: Karin Fijnvandraat (Sanquin Research and Amsterdam UMC, Amsterdam, The Netherlands)	17:15	Drinks and snacks

13:00 Kathleen Freson (Catholic University Leuven, Belgium)

pluripotent stem cells

High Throughput Sequencing for diagnosing platelet disorders

LSD1 and GFI1B control hematopoietic specification from induced

13:30 Marten Hansen (Sanquin Research, Amsterdam, The Netherlands)

19:00 *End* 

Wifi: Sanquin Guest, Password: Bloedisleven