

# PROGRAM - ERCS Pavia Webinar - September 11<sup>th</sup>, 2020



08:15	08:30	WELCOME	
08:30	08:55	<b>Anna Rita Migliaccio</b>	cKIT signaling and metabolism in human erythroid cells
08:55	09:20	<b>Antonella Ronchi</b>	The Pleiotropic Effects of GATA1 and KLF1 in Physiological Erythropoiesis and in Dyserythropoietic Disorders
09:20	09:45	<b>Maria Domenica Cappellini</b>	New therapies for Hemoglobinopathies and dyserythropoiesis
09:45	10:10	<b>José Carlos Segovia</b>	Gene therapy trial for PK deficiency
10:10	10:20	break	
10:20	10:45	<b>Heimo Mairbäurl</b>	Removal of excess erythrocytes upon descent from high altitude: Lack of evidence for neocytolysis
10:45	11:10	<b>Mauro Magnani</b>	Red blood cell delivery of drugs and contrast agents: from the lab to the clinic
11:10	11:30	<b>Lars Kaestner</b>	Erythrocytes sedimentation rate as a new diagnostic biomarker for neuroacanthocytosis syndromes
11:30	11:50	<b>Mélanie Robert</b>	Comprehensive characterization of the physiology of red blood cells following hypotonic dialysis-based drug encapsulation process
11:50	12:00	break	
12:00	12:20	<b>Yuri Feldman</b>	Oxygenation state of hemoglobin defines dynamics of water molecules in its vicinity
12:20	12:40	<b>Marta Morado</b>	Usefulness of NGS techniques for Pyruvate kinase deficiency (PKD) diagnosis in Spain
12:40	13:00	<b>Minke Rab</b>	Decreased activity and stability of red cell pyruvate kinase in sickle cell disease a potential target for therapy by AG-348 (Mitapivat), an allosteric activator of pyruvate kinase.
13:00	13:15	<b>Ankie M. van Cromvoirt</b>	Variance in RBC deformability, hydration and osmotic stability in healthy donors and factors contributing to it
13:15	13:30	<b>Benedetta Porro</b>	Red blood cell function and dysfunction: a new target in coronary artery diseases?
13:30	14:10	Lunch break	
14:10	14:30	<b>Donatienne Tyteca</b>	The Horizon in Red Cell Research - Control of PIEZO1 activity by the membrane lipid environment
14:30	14:50	<b>David Monedero</b>	Cation channel activity emergence during storage threatens red blood cell survival after transfusion
14:50	15:10	<b>Nicoletta Murciano</b>	High-throughput automated patch-clamp as emerging technique for functional NMDA receptors assays in erythrocytes
15:10	15:30	<b>Catarina Jacinto Correia</b>	Vitamin B12 Deficiency as a cause for clinical worsening of anaemia in a patient with compound Sickle Cell Trait and Glucose-6-Phosphate Dehydrogenase Deficiency: case report
15:30	15:50	<b>Sebastian Himbert</b>	Super-Human Red Blood Cells to Fight Diseases
15:50	16:00	break	
16:00	16:25	<b>Velia Fowler</b>	Red Blood Cell Membrane Architecture, Shape and Biomechanics: From the Micro- to Nanoscale
16:25	16:50	<b>Lionel Blanc</b>	Navigating the curiosity of steroid resistance in Diamond Blackfan anemia at the erythroid progenitor level
16:50	17:15	<b>Josef Prchal</b>	Thrombosis in PV and other Erythrocytoses
17:15	17:40	<b>Philip Low</b>	A new therapy for sickle cell disease: Mechanism and early clinical data
17:40	18:40	SELECTED POSTER PRESENTATIONS	
18:40	19:00	CLOSING	