

## **Targeting glycolysis in endothelial cells to prevent intraplaque neovascularization and atherogenesis in mice** Perrotta, P.

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Author: Perrotta, P. Title: Targeting glycolysis in endothelial cells to prevent intraplaque neovascularization and atherogenesis in mice Issue Date: 2021-03-24 Curriculum Vitae

Paola Perrotta was born on 11 September 1986 in south of Italy (Puglia). After highschool, she moved to Tuscany to attend a 5-year Master Program at the School of Pharmacy of the University of Siena. During her course of study she became growingly interested in Pharmacology, and eventually joined the Pharmacology and Angiogenesis Laboratory under the supervision of Prof. Sandra Donnini and Prof. Marina Ziche. In 2012, after successfully defending her thesis about inflammatory angiogenesis, she graduated with a master degree in Pharmaceutical Chemistry. While continuing her research project with Prof. Ziche as post-graduate fellow, she also enrolled in an advanced master in oncological pharmacology at the University of Milan (academic year 2012-2013) where she graduated with a thesis discussion about monoclonal antibodies in cancer therapy. In 2013 she received a "Fellowship for Young Scientist" by the Italian Pharmacology Society to pursue of period of study and research in the Pharmacology laboratory directed by Prof. Sessa at Yale University (USA). In December 2015 she was selected for the MoGlyNet program, a Marie Curie European Joint doctoral program between the University of Antwerp and the University of Leiden. Paola started with a secondment in the laboratory of Prof. Paul Quax at LUMC and received initial training in advanced microsurgical techniques under the supervision of Dr. Margreet de Vries. After that she carried out her experimental doctoral thesis in the Physiopharmacology laboratory under the supervision of Prof. Wim Martinet at the University of Antwerp. Here she investigated the effect of glycolysis inhibition in endothelial cells in the context of atherosclerosis using advanced in vitro and in vivo models. During her doctoral period she attended multiple specialistic courses and presented scientific data at various international conferences. Paola is certified by Federation of European Laboratory Animal Science Associations (FELASA) for her skills in handling small laboratory animals. Other relevant professional experiences during her doctorate include an internship in a Contract Research Organization (PPD) in Milan (Italy) where she gained knowledge about clinical research and followed the development of clinical trials in various hospitals. In August 2020 she married with Federico, her long-term partner met in college, with whom she also shares the love for science. Currently, Paola is doing research activity in collaboration with the Yale Cardiovascular Research Center in the United States. Erna Peters and Besa Emini Veseli, paranimfen

List of publications

- Emini Veseli, B., Perrotta, P., Van Wielendaele, P., Lambeir, A. M., Abdali, A., Bellosta, S., Monaco, G., Bultynck, G., Martinet, W., and De Meyer, G. R. Y. (2020) Small molecule 3PO inhibits glycolysis but does not bind to 6phosphofructo-2-kinase/fructose-2,6-bisphosphatase-3 (PFKFB3). *FEBS Lett*
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In Leiden I learned micro-surgery techniques with the extraordinary help of Dr. Margreet de Vries. Margreet, I want to thank for your guidance and for teaching me to be tenacious. I still remember when you came to Antwerp to help with my project, and our pleasant chats during dinner with pizza and Belgian soups. I have always appreciated your honesty in our scientific meetings and your feedback has greatly improved my scientific work.

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