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Dr. Binek is a researcher with expertise in mass spectrometry-based (MS) proteomics and metabolomics studies of myocardial infarction. In 2018 she joined Jennifer Van Eyk's laboratory in Cedars Sinai Medical Center to work on protein modifications in heart failure. Previous experience working in Cardiovascular Research Center (CNIC, Madrid, Spain) involved proteomics of myocardial ischemia and reperfusion. In Madrid she carried out her dissertation project as a Marie Curie PhD Program Fellow and in 2017 obtained her PhD degree from Universidad Autónoma Madrid. Besides developing her doctoral project in cardiovascular proteomics during her PhD at CNIC, she also gained experience in other MS analytical techniques i.e. metabolomics and shotgun lipidomics by establishing national (Center of Metabolomics and Bioanalysis – CEMBIO, Spain) and international collaborations (Borstel Research Center, Germany) with the experts in those fields.