Piotr Ponikowski’s research interests include heart failure, coronary heart disease and cardiac arrhythmias. His research contributes to better understanding of the role impaired cardiorespiratory reflex control in the pathophysiology of heart failure syndrome with potential implications for therapy. He also investigates the role of impaired peripheral mechanisms in the progression of heart failure. Furthermore, his work focuses on comorbidities in heart failure (with special interest in iron deficiency) and acute, decompensated heart failure. His recent major achievement is related to the discovery of the prevalence and clinical consequences of iron deficiency in heart failure syndrome with subsequent evidence of usefulness of iron repletion therapy in these patients.