



The Cardiac Electrophysiology Section at the University of Pennsylvania Health System

The Cardiac Electrophysiology Section of the [Cardiology Division](#) of the University of Pennsylvania Health System is part of a tertiary care medical system. The EP Program has a large clinical referral base that extends from upstate New York to Southern Virginia and is focused on the 11 million patients in the Philadelphia metropolitan area. The Electrophysiology Section has clinical operations in two hospitals on PENN campus ([Hospital of the University of Pennsylvania](#), and [Philadelphia Veterans' Affairs Hospital](#)) with six state-of-the-art electrophysiology laboratories. The EP program offers a complete line of cardiac electrophysiology services including invasive, non-invasive and consultative electrophysiology, device implantation and extraction, and catheter ablative procedures including pulmonary vein isolation and ablation of ventricular tachycardia, by both endocardial and epicardial approaches.

In addition to our large clinical volume, the Section has a very active research program with dedicated facilities for basic science and whole animal research. Our areas of academic interest and investigation focus on the mechanisms of arrhythmias, new techniques to improve results of catheter ablative therapy (especially focusing on atrial fibrillation and ventricular tachycardia), and the optimal use of device therapy (focusing on implantable defibrillators and cardiac resynchronization devices)

We have 14-member full-time clinical staff faculty and two research scientists in the electrophysiology section in addition to a large associated professional support staff (including nurse practitioners, physician assistants, research nurses, technicians and laboratory nurses). The clinical Cardiac Electrophysiology Fellowship training program is fully accredited by the ACGME for six electrophysiology fellows completing their fellowship training per year. In addition, we offer advanced EP subspecialty research and clinical training focused on atrial fibrillation.

Faculty Members:

Francis Marchlinski, MD – Director of Cardiac Electrophysiology

Ralph Verdino, MD – Director of Cardiac Electrophysiology Fellowship

Rupa Bala, MD – Assistant Professor of Medicine, Cardiovascular Division

David Callans, MD – Director of EP Laboratory, Hospital of the University of Pennsylvania

Joshua Cooper, MD – Assistant Professor of Medicine, Cardiovascular Division

Rajat Deo, MD – Assistant Professor of Medicine, Cardiovascular Division

Sanjay Dixit, MD – Director of Electrophysiology, Philadelphia VA Medical Center

Andrew Epstein, MD – Chief of Cardiology, Philadelphia VA Medical Center

Fermin Garcia, MD – Assistant Professor of Medicine, Cardiovascular Division

Edward Gerstenfeld, MD – Assistant Professor of Medicine, Cardiovascular Division

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David Lin, MD – Assistant Professor of Medicine, Cardiovascular Division

Vickas Patel, MD – Assistant Professor of Medicine, Cardiovascular Division

Michael Riley, MD – Assistant Professor of Medicine, Cardiovascular Division