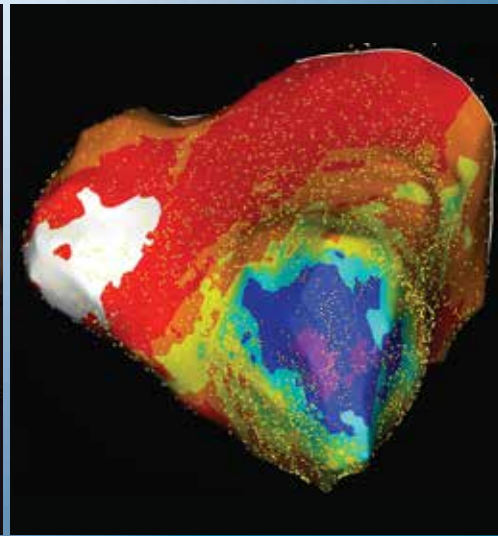
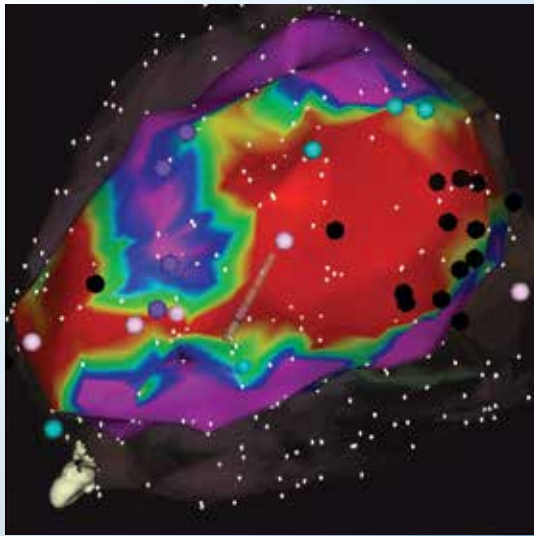
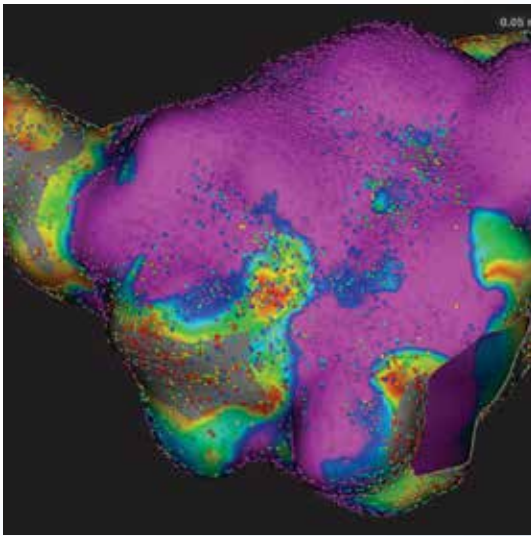


# HANDS-ON ABLATION

THE EXPERTS' APPROACH



**SECOND EDITION**

EDITORS

**AMIN AL-AHMAD**

**DAVID J. CALLANS**

**HENRY H. HSIA**

**ANDREA NATALE**

**OSCAR OSEROFF**

**PAUL J. WANG**

FOREWORD

**MELVIN SCHEINMAN**



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**AMIN AL-AHMAD MD**

Texas Cardiac Arrhythmia Institute at St. David's Medical Center, Austin, Texas

**DAVID J. CALLANS MD**

University of Pennsylvania Health System, Philadelphia, Pennsylvania

**HENRY H. HSIA MD**

University of California, San Francisco, San Francisco, California

**ANDREA NATALE MD**

Texas Cardiac Arrhythmia Institute at St. David's Medical Center, Austin, Texas

**OSCAR OSEROFF MD**

Bazterrica Clinic, Buenos Aires, Argentina

**PAUL J. WANG MD**

Stanford University, Stanford, California

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*To Rola, Maya, Dana, and Mohammad, for the constant love and support.*

—Amin Al-Abmad

*I am dedicating this book to the memory of my great mentor and friend Mark Josephson.*

—David J. Callans

*To my family, for their continuous support and guidance; to my parents, for their encouragement and illumination.*

—Henry H. Hsia

*To my lovely wife Marina and our beautiful daughters Veronica and Eleonora.*

—Andrea Natale

*To my loving wife Solange, my sons Pablo and Martin, my parents, and my brother, for their endless understanding and support.*

—Oscar Oseroff

*To my lovely wife Gloria, my wonderful daughters Margaret and Katie, and the memory of my parents, Samuel and Lillian.*

—Paul Wang



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# Contributors

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## Editors

---

**Amin Al-Ahmad**, MD, FACC, FHRS, CCDS  
Cardiac Electrophysiologist, Texas Cardiac Arrhythmia  
Institute at St. David's Medical Center, Austin, Texas

**David J. Callans**, MD, FHRS, FAHA, FACC  
Professor of Medicine, Perelman School of Medicine;  
Associate Director of Electrophysiology, University of  
Pennsylvania Health System, Philadelphia, Pennsylvania

**Henry H. Hsia**, MD, FACC, FHRS  
Health Science Professor of Medicine, University of  
California, San Francisco; Chief, Arrhythmia Service,  
VA Medical Center, San Francisco, California

**Andrea Natale**, MD, FACC, FHRS, FESC  
Executive Medical Director, Texas Cardiac Arrhythmia  
Institute at St. David's Medical Center, Austin, Texas;  
Consulting Professor, Division of Cardiology, Stanford  
University, Palo Alto, California; Clinical Professor of  
Medicine, Case Western Reserve University, Cleveland,  
Ohio; Director, Interventional Electrophysiology,  
Scripps Clinic, San Diego, California; Senior Clinical  
Director, EP Services, California Pacific Medical  
Center, San Francisco, California

**Oscar Oseroff**, MD, FHRS  
Chief of Pacing and Electrophysiology,  
Electrophysiology Department, Bazterrica Clinic,  
Buenos Aires, Argentina

**Paul J. Wang**, MD, FACC, FHRS, FAHA  
Professor, Cardiovascular Medicine and Bioengineering  
(by courtesy); Director, Cardiac Arrhythmia Service,  
Stanford University School of Medicine, Stanford,  
California

## Contributors

---

**Mohamed Aljaabari**, MBBS, FACC  
Attending Cardiac Electrophysiologist, Mafraq  
Hospital, Abu Dhabi, United Arab Emirates

**Jesús Almendral**, MD, PhD, FESC  
Unidad de Electrofisiología Cardíaca y Arritmología  
Clínica, Grupo Hospital de Madrid, Universidad CEU-  
San Pablo, Madrid, Spain

**Arash Aryana**, MS, MD, FACC, FHRS  
Vice Chair, Department of Cardiology and  
Cardiovascular Surgery, Mercy General Hospital,  
Dignity Health Heart and Vascular Institute,  
Sacramento, California

**Donita Atkins**, RN  
Division of Cardiovascular Diseases, Cardiovascular  
Research Institute, University of Kansas Hospital and  
Medical Center, Kansas City, Kansas

**Zaid Aziz, MD**

Assistant Professor of Medicine, Section of Cardiology, The University of Chicago School of Medicine, Center for Arrhythmia Care, Chicago, Illinois

**Nitish Badhwar, MD, FACC, FHRS**

Director, Cardiac Electrophysiology Training Program; Associate Chief, Cardiac Electrophysiology, Medicine/ Cardiology, University of California, San Francisco, San Francisco, California

**Tina Baykaner, MD**

Senior Fellow, Department of Medicine–Cardiovascular Medicine, Stanford University School of Medicine, Stanford, California

**Victor Bazan, MD, PhD**

Consultant Physician, Electrophysiology Unit, Cardiology Department, Hospital de la Santa Creu i Sant Pau, Barcelona, Spain

**Jason S. Bradfield, MD, FACC, FHRS**

Assistant Professor of Medicine; Director, Specialized Program for Ventricular Tachycardia, UCLA Cardiac Arrhythmia Center, David Geffen School of Medicine at UCLA, Los Angeles, California

**J. David Burkhardt, MD, FACC, FHRS**

Director of Research, Texas Cardiac Arrhythmia Institute, Austin, Texas; Director of Complex Arrhythmia Ablation, Scripps Clinic, La Jolla, California

**Eduardo Castellanos, MD, PhD**

Unidad de Electrofisiología Cardíaca y Arritmología Clínica, Grupo Hospital de Madrid, Universidad CEU-San Pablo, Madrid, Spain

**Scott R. Ceresnak, MD**

Division of Pediatric Cardiology, Department of Pediatrics, Stanford University; Lucile Packard Children's Hospital, Palo Alto, California

**Arnaud Chaumeil, MD**

LIRYC Institute, INSERM 1045, Bordeaux University; Centre Hospitalier Universitaire de Bordeaux, Bordeaux, France

**Peng-Sheng Chen, MD, FHRS**

Medtronic Zipes Chair in Cardiology; Director, Krannert Institute of Cardiology; Chief, Division of Cardiology, Department of Medicine, Indiana University School of Medicine, Indianapolis, Indiana

**Shih-Ann Chen, MD, FHRS**

Professor, Institute of Clinical Medicine and Cardiovascular Research Center, National Yang-Ming University, Taipei, Taiwan; Division of Cardiology, Department of Medicine, Taipei Veterans General Hospital, Taipei, Taiwan

**Zhongwei Cheng, MD**

Cardiologist, Department of Cardiology, Peking Union Medical College Hospital, Peking Union Medical College and Chinese Academy of Medical Sciences, Beijing, China

**Ghassen Cheniti, MD**

Fellow in Electrophysiology, LIRYC Institute, INSERM 1045, Bordeaux University; Centre Hospitalier Universitaire de Bordeaux, Bordeaux, France

**Karin K. M. Chia, MBBS, (Hons), PhD, FRACP, FHRS, FCSANZ**

Senior Staff Specialist Cardiac Electrophysiologist, Royal North Shore Hospital, University of Sydney, New South Wales, Australia

**Masaomi Chinushi, MD, PhD**

Associate Professor, School of Health Science, Niigata University School of Medicine, Niigata, Japan

**Aman Chugh, MD, FHRS, FACC**

Associate Professor of Medicine, Section of Cardiac Electrophysiology, University of Michigan Medical School, Ann Arbor, Michigan

**Luis F. Couchonnal, MD**

Electrophysiologist, Alegent Creighton Health, Omaha, Nebraska

**Andre d'Avila, MD, PhD**

Instituto de Pesquisa em Arritmia Cardíaca, Hospital Cardiologico, Florianopolis, Santa Catarina, Brazil

**Aarti Dalal, DO**

Assistant Professor of Pediatrics, Washington University School of Medicine, St. Louis Children's Hospital, St. Louis, Missouri

**Matthew Dare, CEPS**

Research, Technology, and Education Coordinator, Texas Cardiac Arrhythmia Institute, St. David's Medical Center, Austin, Texas

**Christian de Chillou, MD, PhD**

CHU de Nancy, Département de Cardiologie; INSERM-IADI, U947, Vandœuvre lès-Nancy, France

**Carlos De Diego, MD**

Unidad de Electrofisiología Cardíaca y Arritmología Clínica, Grupo Hospital de Madrid, Universidad CEU-San Pablo, Madrid, Spain

**Arnaud Denis, MD**

LIRYC Institute, INSERM 1045, Bordeaux University; Centre Hospitalier Universitaire de Bordeaux, Bordeaux, France

**Nicolas Derval, MD**

LIRYC Institute, INSERM 1045, Bordeaux University; Centre Hospitalier Universitaire de Bordeaux, Bordeaux, France

**Marc W. Deyell, MD, MSc, FHRS**

Assistant Professor Heart Rhythm Services, Division of Cardiology, Department of Medicine University of British Columbia, Vancouver, Canada

**Luigi Di Biase, MD, PhD, FACC, FHRS**

Section Head Electrophysiology, Director of Arrhythmia Services, Associate Professor of Medicine, Albert Einstein College of Medicine at Montefiore Hospital Montefiore-Einstein Center for Heart & Vascular Care; Adjunct Associate Professor, Department of Biomedical Engineering, University of Texas, Austin; Senior Researcher at Texas Cardiac Arrhythmia Institute at St. David's Medical Center, Austin, Texas; Clinical Assistant Professor, Department of Cardiology, University of Foggia, Italy

**Shephal K. Doshi, MD**

Director, EP Services, Providence St. John's Health Center; Director, EP Research, Pacific Heart Institute, Santa Monica, California

**Anne M. Dubin, MD, FHRS**

Professor of Pediatrics, Division of Pediatric Cardiology, Stanford University, Palo Alto, California

**Srinivas R. Dukkupati, MD**

Helmsley Electrophysiology Center, Icahn School of Medicine at Mount Sinai, New York, New York

**Hicham El Masry, MD**

Director of Cardiac Electrophysiology, Marion General Hospital, Marion, Indiana

**Andres Enriquez, MD**

Section of Cardiac Electrophysiology, Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania

**N. A. Mark Estes III, MD, FACC, FHRS, FAHA, FESC**

Professor of Medicine, Tufts University School of Medicine; Director, New England Cardiac Arrhythmia Center, Tufts Medical Center, Boston, Massachusetts

**John C. Evans, MD**

Clinical Cardiac Electrophysiologist, Renown Institute for Heart and Vascular Health, Reno, Nevada; Cardiac Electrophysiologist, Texas Cardiac Arrhythmia Institute at St. David's Medical Center, Austin, Texas

**G. Joseph Gallinghouse, MD**

Cardiac Electrophysiologist, Texas Cardiac Arrhythmia Institute at St. David's Medical Center, Austin, Texas

**Fermin C. Garcia, MD**

Division of Cardiology, Section of Cardiac Electrophysiology, Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania

**Ann C. Garlitski, MD, FACC, FHRS**

Assistant Professor of Medicine, Tufts University School of Medicine; Co-Director, Cardiac Electrophysiology and Pacemaker Laboratory, Tufts Medical Center, Boston, Massachusetts

**Edward P. Gerstenfeld, MD, FACC, FHRS**

Associate Professor of Medicine; Chief, Cardiac Electrophysiology, Section of Cardiac Electrophysiology, Department of Medicine, University of California, San Francisco, San Francisco, California

**Carola Gianni, MD, PhD**

Research Fellow, Texas Cardiac Arrhythmia Institute at St. David's Medical Center, Austin, Texas

**Jeffrey P. Gordon, MD**

Electrophysiology Fellow, Electrophysiology Section, Cardiovascular Division, Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania

**David E. Haines, MD, FACC, FHRS**

Director of Heart Rhythm Center, Beaumont Health; Professor, Department of Cardiovascular Medicine, Oakland University, William Beaumont School of Medicine, Royal Oak, Michigan

**Michel Haïssaguerre, MD**

Professor in Electrophysiology, LIRYC Institute, INSERM 1045, Bordeaux University; Centre Hospitalier Universitaire de Bordeaux, Bordeaux, France

**Frederick T. Han, MD, FACC, FHRS**

Assistant Professor of Medicine, Division of Cardiovascular Medicine, University of Utah Health Sciences Center, Salt Lake City, Utah

**Seongwook Han, MD, PhD, FACC, FHRS, FESC**

Professor of Medicine, Division of Cardiology, Department of Internal Medicine, Dongsan Medical Center, Keimyung University School of Medicine, Daegu, Republic of Korea

**Carina A. Hardy, MD**

Medical Staff of Cardiac Arrhythmia Unit, Instituto do Coração (InCor), Faculdade de Medicina da Universidade de São Paulo (Heart Institute, University of São Paulo Medical School), São Paulo, Brazil

**Patrick M. Heck, MD, DM, FRCP**

Consultant Cardiologist and Electrophysiologist, Clinical Lead for Cardiac Rhythm Management, Papworth Hospital, NHS Foundation Trust, Cambridge, United Kingdom

**Gerhard Hindricks, MD, FHRS**

Head of Department, Department of Electrophysiology, Heart Center, University of Leipzig, Leipzig, Germany

**Donald D. Hoang, BA**

Research Associate, Department of Cardiology, Cardiac Electrophysiology Section, Veterans Affairs Palo Alto Health Care System, Palo Alto, California

**Mélèze Hocini, MD**

Professor in Electrophysiology, LIRYC Institute, INSERM 1045, Bordeaux University; Centre Hospitalier Universitaire de Bordeaux, Bordeaux, France

**Munther Homoud, MD, FACC, FHRS**

Director, CCEP Fellowship Program; Associate Professor of Medicine, New England Cardiac Arrhythmia Center, Tufts University School of Medicine, Tufts Medical Center, Boston, Massachusetts

**Rodney P. Horton, MD, FACC, FHRS**

Co-Director of Research, Texas Cardiac Arrhythmia Institute; Adjunct Professor, Department of Biomedical Engineering, University of Texas, Austin, Texas

**Mathew D. Hutchinson, MD**

Director, Cardiac Electrophysiology Program, Sarver Heart Center, Banner University Medical Center Tucson, University of Arizona College of Medicine, Tucson, Arizona

**Chun Hwang, MD, FACC, FHRS**

Staff Cardiac Electrophysiologist, Department of Cardiology, Revere Health, Provo, Utah

**Matthew C. Hyman, MD, PhD**

Chief Electrophysiology Fellow, Electrophysiology Section, Cardiovascular Division, Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania

**Warren M. Jackman, MD, FACC, FHRS**

George Lynn Cross Research Professor of Medicine; Co-Founder, Heart Rhythm Institute, University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma

**Amir S. Jadidi, MD**

Electrophysiologist, Cardiologist, Arrhythmia Division, Cardiology Department II, University Heart Center Freiburg - Bad Krozingen, Bad Krozingen, Germany

**Pierre Jaïs, MD**

LIRYC Institute, INSERM 1045, Bordeaux University; Centre Hospitalier Universitaire de Bordeaux, Bordeaux, France

**Mohammad-Ali Jazayeri, MD**

Division of Cardiovascular Diseases, University of Kansas Hospital & Medical Center, Kansas City, Kansas

**Jonathan M. Kalman, MBBS, PhD, FRACP, FHRS**

Professor of Medicine and Director of Cardiac Arrhythmia Service, Department of Cardiology, Royal Melbourne Hospital and Department of Medicine, University of Melbourne, Melbourne, Australia

**G. Neal Kay, MD, FACC, FAHA**

Professor of Medicine, Division of Cardiovascular Disease, University of Alabama at Birmingham, Birmingham, Alabama

**Peter M. Kistler, MBBS, PhD**

Associate Professor, Department of Cardiology, Alfred Hospital and Baker IDI, Melbourne, Australia

**Bradley P. Knight, MD, FACC, FHRS**

Medical Director, Center for Heart Rhythm Disorders, Bluhm Cardiovascular Institute, Northwestern Memorial Hospital; Cooley Professor of Medicine, Northwestern University, Feinberg School of Medicine, Chicago, Illinois

**Athanasios Kordalis, MD**

CHU de Nancy, Département de Cardiologie, Vandœuvre lès-Nancy, France

**Christopher A. B. Kowalewski**

Department of Medicine—Cardiovascular Medicine, Stanford University School of Medicine, Stanford, California

**David E. Krummen, MD**

Associate Professor of Medicine, Sulpizio Cardiovascular Center, University of California, San Diego School of Medicine, La Jolla, California

**David S. Kwon, MD, PhD**

Associate Director Clinical Research, Cardiovascular Therapeutic Area, Gilead Sciences, Foster City, California

**Dhanunjaya Lakkireddy, MD, FACC, FHRS**

Professor of Medicine, Division of Electrophysiology, University of Kansas Hospital, KU Cardiovascular Research Institute, Kansas City, Kansas

**Mark La Meir, MD, PhD**

Professor of Cardiac Surgery, Department of Cardiothoracic Surgery, University Hospital Brussels, Brussels, Belgium; Department of Cardiothoracic Surgery, Maastricht University Hospital, Maastricht, The Netherlands



**Jackson J. Liang, DO**

Fellow, Electrophysiology Section, Division of Cardiology, Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania

**Yenn-Jiang Lin, MD, PhD**

School of Medicine, Institute of Clinical Medicine and Cardiovascular Research Center, National Yang-Ming University, Taipei, Taiwan; Division of Cardiology, Department of Medicine, Taipei Veterans General Hospital, Taipei, Taiwan

**Mark S. Link, MD**

Professor of Medicine, UT Southwestern School of Medicine, UT Southwestern Medical Center, Dallas, Texas

**Li-Wei Lo, MD**

Assistant Professor, School of Medicine, National Yang-Ming University, Taipei, Taiwan; Division of Cardiology, Department of Medicine, Taipei Veterans General Hospital, Taipei, Taiwan

**Men-Tzung Lo, PhD**

Professor, Department of Biomedical Sciences and Engineering & Institute of Translational and Interdisciplinary Medicine, National Central University, Taoyuan City, Taiwan

**Isabelle Magnin-Poull, MD**

CHU de Nancy, Département de Cardiologie, INSERM-IADI, U947, Vandœuvre lès-Nancy, France

**Moussa Mansour, MD**

Cardiac Arrhythmia Service, Department of Medicine, Massachusetts General Hospital, Boston, Massachusetts

**Francis E. Marchlinski, MD, FACC**

Director, Cardiac Electrophysiology, Department of Medicine, Division of Cardiovascular Medicine, Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania

**Ruairidh Martin, MD**

Fellow in Electrophysiology, LIRYC Institute, INSERM 1045, Bordeaux University; Centre Hospitalier Universitaire de Bordeaux, Bordeaux, France

**Gregoire Massoulie, MD**

LIRYC Institute, INSERM 1045, Bordeaux University; Centre Hospitalier Universitaire de Bordeaux, Bordeaux, France

**Sissy Lara Melo, MD, PhD**

Electrophysiologist of Heart Institute (InCor), University of São Paulo Medical School, São Paulo, Brazil

**John M. Miller, MD, FHRS, FACC**

Professor of Medicine, Indiana University School of Medicine; Director, Clinical Cardiac Electrophysiology, Indiana University Health, Indianapolis, Indiana

**Marc A. Miller, MD**

Cardiac Arrhythmia Service, Mount Sinai Medical Center, New York, New York

**Christina Y. Miyake, MD, MS**

Assistant Professor, Department of Pediatrics, Texas Children's Hospital, Houston, Texas; Assistant Professor, Department of Molecular Physiology and Biophysics, Baylor College of Medicine, Houston, Texas

**Shinsuke Miyazaki, MD**

Consulting Electrophysiologist, Cardiology Division, Cardiovascular Center, Tsuchiura Kyodo Hospital, 11-7, Manabeshin-machi, Tsuchiura, Japan

**Abram Mozes, MD**

Clinical Fellow in Cardiac Electrophysiology, New England Cardiac Arrhythmia Center, Tufts Medical Center, Boston, Massachusetts

**Daniele Muser, MD**

Post Doctoral Research Fellow, Cardiac Electrophysiology Section, Cardiovascular Division, Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania

**Hiroshi Nakagawa, MD, PhD**

Professor of Medicine; Director, Clinical Catheter Ablation Program; Director, Translational Electrophysiology, Heart Rhythm Institute, University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma

**Sanjiv M. Narayan, MD, PhD**

Professor of Medicine, Co-Director, Stanford Arrhythmia Center, Department of Medicine—Cardiovascular Medicine, Stanford University School of Medicine, Stanford, California

**Javed M. Nasir, MD**

Department of Medicine—Cardiovascular Medicine, Stanford University School of Medicine, Stanford, California

**Babak Nazer, MD**

Assistant Professor of Medicine and Biomedical Engineering, Oregon Health & Science University, Oregon, Washington

**Chandrasekar Palaniswamy, MBBS, MD**

Assistant Professor, UCSF Fresno Medical Education Program, Fresno, California

**Thomas Pambrun, MD**

LIRYC Institute, INSERM 1045, Bordeaux University; Centre Hospitalier Universitaire de Bordeaux, Bordeaux, France

**Marco V. Perez, MD**

Assistant Professor of Medicine, Division of Cardiovascular Medicine, Stanford University, Stanford, California

**Francesco Perna, MD, PhD**

Attending Cardiologist, Cardiac Arrhythmia Unit, Policlinico Universitario Agostino Gemelli, Rome, Italy

**Christopher Piorkowski, MD**

Head of the Department of Electrophysiology Heart Center, University of Dresden, Dresden, Germany

**Cristiano Pisani, MD**

Cardiac Electrophysiologist, Arrhythmia Unit - Heart Institute (InCor) - University of São Paulo Medical School, São Paulo, Brazil

**Laurent Pison, MD, PhD, FESC**

Assistant Professor of Cardiology, Department of Cardiology, Maastricht, University Medical Center, Maastricht, The Netherlands

**Vivek Y. Reddy, MD**

Helmley Electrophysiology Center, Icahn School of Medicine at Mount Sinai, New York, New York

**Jorge Romero, MD**

Assistant Professor of Medicine, Electrophysiology Attending Department of Medicine (Cardiology), Montefiore-Einstein Center for Heart and Vascular Care, Albert Einstein College of Medicine, New York, New York

**Frédéric Sacher, MD, PhD**

LIRYC Institute, INSERM 1045, Bordeaux University; Centre Hospitalier Universitaire de Bordeaux, Bordeaux, France

**Luis Saenz, MD**

International Arrhythmia Center at Cardioinfantil Foundation, Bogota, Colombia

**Pasquale Santangeli, MD, PhD**

Texas Cardiac Arrhythmia Institute at St. David's Medical Center, Austin, Texas

**Mauricio I. Scanavacca, MD, PhD**

Director of Cardiac Arrhythmia Unit, Instituto do Coração (InCor), Faculdade de Medicina da Universidade de São Paulo (Heart Institute, University of São Paulo Medical School), São Paulo, Brazil

**Melvin M. Scheinman, MD**

Professor of Medicine; Walter H. Shorenstein Endowed Chair in Cardiology; Chief of Cardiology Genetics Arrhythmia Program, University of California, San Francisco, San Francisco, California

**Benjamin J. Scherlag, PhD, FHRS**

Professor of Medicine, Division of Cardiology, Heart Rhythm Institute, University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma

**Jean-Marc Sellal, MD**

CHU de Nancy, Département de Cardiologie; INSERM-IADI, U947, Vandoeuvre lès-Nancy, France

**Ashok J. Shah, MD, FRACP**

Consulting Electrophysiologist, Peel Health Campus, Mandurah, Western Australia, Australia

**Kalyanam Shivkumar, MD, PhD**

UCLA Cardiac Arrhythmia Center, David Geffen School of Medicine at UCLA, Los Angeles, California

**Sheldon M. Singh, MD, FRCPC, FACC**

Cardiologist/Electrophysiologist, Schulich Heart Program, Sunnybrook Health Sciences Center, University of Toronto, Toronto, Ontario, Canada

**Kyoko Soejima, MD**

Associate Professor, Cardiovascular Division, Kyorin University School of Medicine, Tokyo, Japan

**Philipp Sommer, MD, FHRS, FESC**

EP Consultant, Department of Electrophysiology, Heart Center, University of Leipzig, Leipzig, Germany

**Eduardo Sosa, MD, PhD**

Clinic Arrhythmia and Pacemaker Unit, Instituto do Coração (InCor), Heart Institute, University of São Paulo Medical School, São Paulo, Brazil

**William G. Stevenson, MD**

Director, Cardiac Arrhythmia Service, Brigham and Women's Hospital; Professor of Medicine, Harvard Medical School, Boston, Massachusetts

**Wilbur W. Su, MD, FACC, FHRS**

Director of Electrophysiology, Banner - University Medical Center Phoenix, University of Arizona, Phoenix, Arizona

**Gregory E. Supple, MD**

Assistant Professor of Clinical Medicine, University of Pennsylvania School of Medicine, Department of Medicine, Division of Cardiovascular Medicine, Philadelphia, Pennsylvania



**Kojiro Tanimoto**, MD, PhD  
Physician, Cardiology, NHO Tokyo Medical Center,  
Tokyo, Japan

**Usha B. Tedrow**, MD, MSc  
Assistant Professor of Medicine, Harvard Medical  
School; Director, Clinical Cardiac Electrophysiology  
Program, Cardiovascular Division, Department of  
Medicine, Brigham and Women's Hospital, Boston,  
Massachusetts

**Andrew W. Teh**, MBBS, PhD  
Physician, Department of Cardiology, Royal Melbourne  
Hospital, Melbourne, Australia

**John K. Triedman**, MD, FACC, FHRS  
Professor of Pediatrics, Harvard Medical School;  
Arrhythmia Service, Department of Cardiology, Boston  
Children's Hospital, Boston, Massachusetts

**Roderick Tung**, MD  
Associate Professor of Medicine, Section of Cardiology;  
Director, Cardiac Electrophysiology & EP Laboratories,  
The University of Chicago Medicine, Center for  
Arrhythmia Care, Chicago, Illinois

**Mintu P. Turakhia**, MD, MAS  
Associate Professor of Medicine Stanford University  
School of Medicine, Stanford, California; Chief, Cardiac  
Electrophysiology, VA Palo Alto Health Care System,  
Palo Alto, California

**Wendy S. Tzou**, MD, FHRS, FACC  
Associate Director, Cardiac Electrophysiology  
Laboratories, Cardiac Electrophysiology Section,  
Division of Cardiology; Associate Professor of Medicine,  
University of Colorado, Aurora, Colorado

**Akiko Ueda**, MD  
Kyorin University School of Medicine, Tokyo, Japan

**Miguel Valderrábano**, MD  
Director, Division of Cardiac Electrophysiology,  
Department of Cardiology, Houston Methodist Hospital  
and DeBakey Heart and Vascular Center, Houston,  
Texas; Associate Professor of Medicine, Weill College of  
Medicine, Cornell University, New York, New York;  
Adjunct Associate Professor of Medicine, Baylor College  
of Medicine, Houston, Texas

**Sarina A. van der Zee**, MD, FACC  
Pacific Heart Institute and Providence Saint John's  
Health Center, Santa Monica, California

**George F. Van Hare**, MD  
Director, Pediatric Cardiology; Louis Larrick Ward  
Professor of Pediatrics; Co-Director, St. Louis  
Children's and Washington University Heart Center,  
Washington University School of Medicine, St. Louis,  
Missouri

**Nishant Verma**, MD, MPH  
Assistant Professor of Medicine, Department of Internal  
Medicine-Cardiac Electrophysiology, Feinberg School of  
Medicine, Northwestern University, Chicago, Illinois

**Mohan Vishwanathan**, MD  
Professor of Medicine, Department of Medicine-  
Cardiovascular Medicine, Stanford University School of  
Medicine, Stanford, California

**Venkat Vuddanda**, MD  
Cardiac Arrhythmia Fellow, Cardiovascular Research  
Institute, The Kansas University Hospital, Kansas City,  
Kansas

**Jonathan Weinstock**, MD, FACC, FHRS  
Assistant Professor of Medicine, Tufts University School  
of Medicine; New England Cardiac Arrhythmia Center,  
Tufts Medical Center, Boston, Massachusetts

**Takumi Yamada**, MD, PhD  
Associate Professor of Medicine, Division of  
Cardiovascular Disease, University of Alabama at  
Birmingham, Birmingham, Alabama

**Seigo Yamashita**, MD  
LIRYC Institute, INSERM 1045, Bordeaux University;  
Centre Hospitalier Universitaire de Bordeaux, Bordeaux,  
France

**Paul C. Zei**, MD, PhD, FHRS  
Clinical Professor of Medicine, Electrophysiology, and  
Cardiovascular Medicine, Stanford University School of  
Medicine, Stanford, California

**Katja Zeppenfeld**, MD, PhD, FESC, FEHRA  
Professor of Cardiology, Clinical Electrophysiology,  
Leiden University Medical Centre, Leiden, The  
Netherlands



# Foreword

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It is my distinct pleasure to recommend the second edition of *Hands-On Ablation* to physicians desiring a rapid, practical introduction to the understanding and application of ablative technique for care of patients with cardiac arrhythmias. The authors have assembled expert and experienced leaders from the field of cardiac electrophysiology to participate in this endeavor. The strengths of the chapters lie in the excellence of the figures, the concise and to the point approach, as well as, the clear presentations.

I have learned a great deal from *Hands-On Ablation*. This book is appropriate not only for the cardiac fellow in training, but is also for the more seasoned practitioner desiring a concise update in available catheter procedures. Amazingly, the text is directed for both adult and pediatric cardiologists. The authors are to be congratulated on a superb effort.

—Melvin Scheinman, MD

Professor of Medicine  
Walter H. Shorenstein Endowed Chair of Cardiology  
Cardiac Electrophysiology  
University of California, San Francisco  
San Francisco, California

