

# frontiers


## FRONTIERS IN CARDIAC ELECTROPHYSIOLOGY

### MISSION STATEMENT

Frontiers in Cardiac Electrophysiology is a specialty section of Frontiers in Physiology that deals with all aspects of cardiac electrophysiology ranging from molecular and cellular electrophysiology to patient-related cardiac electrophysiology. It welcomes original papers on the foundations of cardiac electrophysiology, its modulation (genetic, pharmacologic, dietary, neuronal), as well as on mechanisms or arrhythmias.

Frontiers in Cardiac Electrophysiology publishes articles in the following areas:

- Cardiac (atrial/ventricular) arrhythmias
- Mechanisms of cardiac arrhythmias (e.g., ischemia, heart failure, aging)
- Genetic basis of arrhythmias
- Molecular basis of cardiac arrhythmias
- Autonomic modulation of cardiac electrophysiology
- Cellular cardiac electrophysiology
- Clinical electrophysiology
- Computer/simulation studies in cardiac electrophysiology
- Intracellular calcium handling and cardiac arrhythmias
- Cardiac mechanoelectrical feedback
- Modulation of cardiac electrophysiology (dietary, pharmacologic, autonomic and otherwise)
- Atrial fibrillation
- Structure-function relation
- Tissue architecture and arrhythmogenesis
- Methods in cardiac electrophysiology (electrograms, ECG, optical mapping) in relation to their molecular and cellular origins
- Biomedical engineering in cardiac electrophysiology

nature publishing group 

Frontiers has recently joined forces with the **Nature Publishing Group** to pursue its mission of bringing its innovative open access and interactive publishing model to all fields across the academic tree.



### EDITOR-IN-CHIEF

**Ruben Coronel**  
Academic Medical Center  
Netherlands

### ASSOCIATE EDITORS

**Antonius Baartscheer**  
Academic Medical Center,  
Netherlands

**Olivier Bernus**  
Université Bordeaux Segalen, France

**Lukas R. C. Dekker**  
Catharina Ziekenhuis Eindhoven,  
Netherlands

**Hester M. Den Ruijter**  
University of Amsterdam, Netherlands

**Marcel van der Heyden**  
University Medical Center, Netherlands

**Sami Noujaim**  
University of Michigan, USA

**Tobias Opthof**  
Academic Medical Center, Netherlands

**Mark Potse**  
Maastricht University, Netherlands

**Zhilin Qu**  
University of California, Los Angeles, USA

**Carol Ann Remme**  
University of Amsterdam, Netherlands

**Sander Verheule**  
Maastricht University, Netherlands

**Jiashin Wu**  
University of South Florida, USA

For more information please contact:  
physiology.editorial.office@frontiersin.org  
or visit:  
[www.frontiersin.org/Cardiac\\_Electrophysiology](http://www.frontiersin.org/Cardiac_Electrophysiology)

## Why publish in Frontiers?

- > **World Class Editors**  
disclosed on all accepted articles
- > **First Real-Time Peer Review**  
interactive, transparent and thorough
- > **Instantaneously Online**  
claim your discovery with paper pending
- > **Fastest Publisher**  
on average, 3 months from submission
- > **Indexing in Major Archives**  
PubMed Central, Google Scholar, and more
- > **Copyright Retention by Authors**  
freely print and distribute your articles
- > **International Reach**  
over 4 millions page views per month across 160 countries
- > **Post-publication Evaluation**  
advanced analytics on real-time impact of your article
- > **Democratic Article Tiering**  
distill the best published research
- > **Quality Open Access**  
highlights of the most outstanding publications
- > **Networking**  
connect online with your scientific community

## RESEARCH TOPICS

A Frontiers Research Topic is a collection of papers on an emerging or fast-evolving area of inquiry, and provides a definitive snapshot of research—a curated collection of linked articles that will serve as a standard reference in the field for the next decade. A Research Topic is a fantastic opportunity to ignite an online dialogue among researchers, and can range from a highly focused collection in a niche area to a broad

coverage of a quickly changing field. Papers can be of any article type. Frontiers puts control of scholarly publishing back into the hands of researchers and enables you to drive scholarly communication in your own field. For more information on hosting a Research Topic, please contact:

[physiology.researchtopics@frontiersin.org](mailto:physiology.researchtopics@frontiersin.org)

# about frontiers

### Open Access:

Research without boundaries

Frontiers provides full open access to all its publications: the entire content of journals is immediately and permanently accessible online and free of charge. All publications are subject to the Creative Commons license agreement, allowing readers unrestricted use, distribution and reproduction in any medium, provided they credit original authors and the source.

### Frontiers Reviews:

Fair, constructive, real-time and transparent

Frontiers has completely revised peer-review by objectively focusing on the flawlessness and accuracy of research. The review maximizes the quality of publications, and guarantees a fair and transparent process for authors.

- Interactive, real-time and online review process
- World-class editors ensure accountable peer-review
- Reviewers acknowledged on published articles

### Impact metrics on all published articles

Frontiers provides advanced impact metrics that track downloads and readership for each published article. These metrics are translated into new bibliometric indicators in order to democratically select the most outstanding research. This crowdsourced evaluation gives a voice to both the scholarly community and the general public in determining the academic and social relevance of individual articles.

### Upward Tiering:

Ideas make their way to broader publics

Through a system of tiers, Frontiers distills the most outstanding research into prestigious higher tier articles. All articles are evaluated through post-publication crowdsourcing and weighted according to readership expertise. Frontiers then invites authors of the highest-ranking research to write new review articles, addressing each time an increasingly broader audience.

### General Public TIER 2 ARTICLE



TIER 1 ARTICLE  
Expert Reader

### Statistics + Article Impact

#### Views

- Abstract
- Full Text
- Pdf Downloads

