

Special Issue on  
**The Right Ventricle: From Bench to Bedside**

# CALL FOR PAPERS

The right ventricle (RV) remains the cardiac chamber for which scientific data regarding structure, function, and adaptation to overload or arrhythmogenic potential are still incomplete, despite more recent efforts in this field. However, the RV is affected by and contributes to numerous diseases, related to pressure overload (like pulmonary hypertension but also arterial hypertension), volume overload (left-to-right shunts, tricuspid regurgitation), myocardial diseases (which can be global, left or right ventricular-specific), and right ventricular ischemia or infarction. Moreover, the adaptation of the right ventricle to more extreme physiologic situations (e.g., hypoxia at high altitude, high-level exercise) opens windows for understanding its physiology.

Important developments in right ventricular imaging happened during the last years, from myocardial deformation imaging to 3D-echocardiography, from cardiac MRI to right ventriculoarterial coupling studies, which all contributed to a better understanding of right ventricular physiopathology.

We invite authors to contribute original research articles as well as review articles that will illustrate and stimulate the continuing effort to understand the physiology and pathology of the right ventricle.

Potential topics include but are not limited to the following:

- ▶ Physiology of the right ventricular (RV) function
- ▶ RV in acute and chronic heart failure
- ▶ RV in pulmonary hypertension
- ▶ Arrhythmogenic right ventricular cardiomyopathy
- ▶ RV in athletes
- ▶ RV in congenital heart disease
- ▶ RV and pulmonary embolism
- ▶ RV imaging
- ▶ Right ventriculoarterial coupling

Authors can submit their manuscripts through the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/bmri/cardiology/trv/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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