



Mediators of Inflammation

Special Issue on  
**Immune Cells in Acute Kidney Injury**

# CALL FOR PAPERS

Acute kidney injury (AKI) remains a major clinical challenge with significant attributable morbidity and mortality, particularly in critically ill patients. Besides supportive care in the form of dialysis, few specific therapies are currently available, underscoring the need for the identification of novel interventional therapies. Over the past decade, seminal work in this field has demonstrated that injury initiates a cascade of events that include tubular damage and activation of tissue-resident and infiltrating immune cells. The ensuing systemic inflammatory response comprising of progressive accumulation of immune cells such as macrophages, dendritic cells, and T cells in the injured kidney plays a central role in the propagation or resolution of injury. It is also now recognized that a single insult to the kidney heightens the risk for the development of chronic kidney disease (CKD).

We invite investigators to contribute original research articles as well as review articles that will aid in the understanding of the role of immune cells in initiation and outcomes of acute kidney injury.

Potential topics include, but are not limited to:

- ▶ Characterization and determination of the role of immune cell populations in the injured kidney
- ▶ Cross talk of immune cells with kidney parenchyma (identification of signaling molecules that mediate communication between these cells)
- ▶ Identification and development of immune-based therapeutics to overcome injury or promote recovery
- ▶ Determination of injury mediated inflammatory response and organ cross talk
- ▶ Determination of the relative contribution of resident immune cells versus infiltrating cells in modulating injury and repair
- ▶ Role of inflammation in the transition and progression of AKI to CKD
- ▶ New animal models and methods to study immune cell mediated injury and inflammatory response in AKI
- ▶ Controversies in the role of immune cells in animal model of AKI versus human AKI

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/mi/aki/>.

#### **Lead Guest Editor**

Subhashini Bolisetty, University of Alabama at Birmingham, Birmingham, USA  
*pria@uab.edu*

#### **Guest Editors**

Gilbert R. Kinsey, University of Virginia, Charlottesville, USA  
*grk4n@hscmail.mcc.virginia.edu*

Ganesan Ramesh, Augusta University, Augusta, USA  
*gramesh@gru.edu*

Sarah C. Huen, Yale University, New Haven, USA  
*sarah.huen@yale.edu*

#### **Manuscript Due**

Friday, 29 July 2016

#### **First Round of Reviews**

Friday, 21 October 2016

#### **Publication Date**

Friday, 16 December 2016