



Molecular Mechanisms of Leukemia

Guest Editor:

Dr. Myunggon Ko

Department of Biological
Sciences, Ulsan National Institute
of Science and Technology,
Ulsan 44919, Republic of Korea

Deadline for manuscript
submissions:

closed (31 December 2022)

Message from the Guest Editor

Dear Colleagues,

Hematopoietic stem cells (HSCs) in the bone marrow ensure lifelong hematopoietic homeostasis by giving rise to the full repertoire of blood cells via highly ordered differentiation process, while maintaining a proper HSC pool via self-renewal. Recent technological advances, including genome-wide profiling and chromatin analyses, have provided overwhelming evidence that the epigenetic landscape in hematopoietic stem/progenitor cells changes dynamically during normal hematopoiesis and fate determination, which often becomes impaired under pathological conditions.

For this Special Issue, we invite reviews or original research articles that describe the roles of chromatin modifications and the relevant enzymes that establish, erase, and interpret these epigenetic marks during normal and malignant hematopoiesis. We will also accept articles addressing roles for epigenetic modifiers in the consolidation of inputs from the HSC niche or intracellular metabolism with genetic programs to secure normal HSC self-renewal and differentiation.

