

Special Issue

Archaeal Viruses

Message from the Guest Editor

Since their discovery approximately 50 years ago, we have learned a great deal by studying archaeal viruses. However, compared to the viruses infecting Bacteria and Eukarya, we know little about the viruses infecting Archaea. Very few archaeal viruses have been characterized in molecular, biochemical or structural detail. Studies on viruses infecting Bacteria and Eukarya have led to insights in cellular mechanisms, virus-host interactions, and virus evolution. There is no doubt the same will be true for studying viruses infecting Archaea.

With this special issue of IJMS we hope to increase the current knowledge of archaeal viruses. With the discovery of archaeal viruses and the creation of genetic systems for these viruses, we have increased our knowledge of archaeal virus replication, gene expression, protein structure, virus-host interactions, and virus-induced cell lysis. By continuing to study these viruses, we will learn more about virus-host interactions, virus evolution, and much more. We hope this special issue contributes to the overall knowledge of these unique viruses and inspires more research into these fascinating molecular parasites.

Guest Editor

Dr. Jamie Snyder

Department of Biological Sciences, Cal Poly Pomona, Pomona, CA 91768, USA

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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