

Call for Papers

deadline 15th October, 2009

A SPECIAL FOCUS ISSUE ON THE USE OF SYSTEMS BIOLOGY IN UNDERSTANDING PATHOGENIC MICROBES.

Microbiology has typically been a reductive science. Individual genes and proteins have been studied for their role in the life of specific microbes. This approach has yielded untold information and given us some remarkable insights into how bacteria, viruses and fungi cause disease. However, the development of new technologies, along with an increased appreciation that nothing in biology operates independently, has resulted in the emergence of Systems Biology.

Systems biology uses state-of-the-art, high-throughput approaches to attempt to gain an integrated understanding of how an organism does what it does best – survive and reproduce. No field stands to benefit more from these advances than medical microbiology. The evolutionary arms race between host and pathogen has resulted in a staggeringly complex array of interactions, which are only now becoming tractable to adequate investigation and which, if understood, could provide the key to saving millions of lives.



February 2010 [Future Microbiology](#) – will publish a Special Focus Issue on the use of systems biology in understanding pathogenic microbes. Guest Edited by Brett Finlay (UBC, Canada), Klaus Freuh (OSHU, USA) and Grant McFadden (University of Florida, USA), the issue contains the latest expert opinions and reviews on everything from protein–protein interaction studies to comparative genomics, from the use of microarray technologies to RNAi screens. World-renowned contributors include Alessandro Sette, Phil Felgner, Peter Uetz and Steve Porcella, amongst others.

The issue promises to be the definitive update on the use of systems biology in studying human microbial pathogens, and will contain must-read articles for anyone working in microbiology who wants to remain ahead of the curve and up to date with the latest advances in this booming field.

SUBMIT YOUR MANUSCRIPT

The editors are seeking relevant primary research articles to feature in the issue. Any experimental work that utilizes a systems biology approach to dissecting microbial pathogens would be warmly welcomed for consideration. All submissions are subjected to independent peer review before acceptance.

On acceptance you will receive a FREE 1 year online personal subscription to the journal – prospective authors should send a brief outline and title to the Managing Commissioning Editor: [Sean Cleghorn](mailto:s.cleghorn@futuremedicine.com) (s.cleghorn@futuremedicine.com).

Why publish in [Future Microbiology](#)?

- Rapid publication (typically 8-10 weeks from submission to publication)
- Rigorous & efficient peer review
- Quality control throughout the publication process
- Freedom from author charges
- Exemplary author experience

For further information on [Future Microbiology](#) or the [Future Medicine](#) series please click here, where aims and scope and details of the Editorial Board can be found.

[Sean Cleghorn](#)

Managing Commissioning Editor, [Future Microbiology](#)