# 10th Workshop on Computational Advances in Molecular Epidemiology (CAME 2021)

in conjunction with

*11th International Conference on Computational Advances in Bio and Medical Sciences (ICCABS)*
Dec. 16-18, 2021, virtual conference

Workshop Co-Chairs:

Mukul S. Bansal (University of Connecticut, mukul.bansal@uconn.edu)
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Molecular epidemiology is an integrative scientific discipline that relates the molecular underpinnings of biological processes and environmental risk factors to the etiology, spread, and prevention of disease in human populations. Over the years, molecular epidemiology has become extensively fused with mathematical and computational science and has benefited immensely from this tight association. This workshop serves as a forum to review and discuss the latest advances in the application of mathematical and computational approaches to molecular epidemiology.

Workshop topics of interest include but are not limited to:

- Computational support for disease surveillance
- Evaluation of viral populations
- Identification of novel disease markers
- Identification of pathogen transmission events
- Pathogen evolution
- Population dynamics and drug-resistance
- Transmission networks
- Cancer evolution and metastasis
- Special session devoted to SARS-CoV-2 genomics

The meeting is by invitation only. If you would like to inquire about the possibility of being invited, please contact the workshop chairs as soon as possible, but no later than **November 30, 2021**. Following the workshop, speakers will be invited to submit extended abstracts for publication in the Springer LNBI post-proceedings volume devoted to ICCABS 2021 and/or full length articles to a special issue of the Journal of Computational Biology.

**Workshop Registration Fees**

- Regular Registration (Early): $200
- Regular Registration (Late): $250
- Student Registration (Early): $125
- Student Registration (Late): $175