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Abstract for an Invited Paper  
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**Computational Physics and Drug Discovery for Infectious Diseases<sup>1</sup>**

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This lecture will provide a general introduction to some of the ways that modern computational physics is contributing to the discovery of new pharmaceuticals, with special emphasis on drugs for infectious diseases. The basic sciences and computing technologies involved have advanced to the point that physics-based simulations of drug targets are now yielding truly valuable suggestions for new compounds.

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