Abstract: What are the most significant and exciting scientific developments in biomedical informatics over the past year? The Working Groups of the American Medical Informatics Association (AMIA) provided papers in their respective domains (over 90 in total) representing the most influential or significant work published from September 2018 through September 2019. Summaries of these papers will be presented, with a focus on those with the greatest impact, broadest interest, and entertainment value in this 60-minute, multi-media event. This presentation will focus on clinical informatics, although some developments in bioinformatics and clinical research informatics that have much to offer to domains such as clinical medicine and public health will be included.