Genome Sciences Seminar

Wednesday, 10.9.19 | 3:30 | Foege Auditorium

Dr. John Yates

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Departments of Molecular Medicine and Neurobiology
The Scripps Institute

"Identifying the molecular mechanism for failure of DeltaF508 CFTR to mature using Proteomics"

Research in the Yates lab is focused on the development and application of mass spectrometry-based proteomics techniques to a wide range of biological questions. Our lab has been instrumental in the evolution of the field to its current status, having pioneered many of the landmark advances that form the basis for prevailing proteomics practices, including shotgun proteomics (McCormack, A. L.; Schieltz, D. M.; Goode, B.; Yang, S.; Barnes, G.; Drubin, D.; Yates, J. R., III. *Anal. Chem.* 1997, *69*, 767−776), database searching (SEQUEST, Eng, J. K.; McCormack, A. L.; Yates, J. R., III. *J. Am. Soc. Mass Spectrom.* 1994, *5*, 976−989), and Multidimensional Protein Identification Technology (MudPIT, Washburn, M. P.; Wolters, D.; Yates, J. R., III. *Nat. Biotechnol.* 2001, *19*, 242−247). We continue the drive to increase the scope, sensitivity and throughput of proteomics technologies and their application to biological questions.

http://fields.scripps.edu/yates/wp/

Refreshments served outside the Auditorium at 3:20pm
Questions? Contact Brian Giebel at bgiebel@uw.edu or visit the Seminar website at http://www.gs.washington.edu/news/seminars.htm