

Boston Biotech Symposium 2014

Honoring *The Year of Crystallography*

Saturday August 2nd 2014

7:30 AM to 7:30 PM

One Main Street Cambridge, MA



Free Event. Please RSVP by emailing Magali.hickey@alkermes.com

The use of crystallographic data and analysis for molecules in drug development, reflecting on past achievements and future directions in molecular design and materials characterization, has served as the basis in the understanding of the structure and function of medicines

From the Organizing Committee:

We hope that those participating in the Boston Biotech Symposium find interesting and relevant original research to stimulate new ideas in the area of structural science in pharmaceutical materials research.

Magali Hickey, Ph. D., Alkermes

Peter Mueller, Ph. D., MIT

John Roberts, Ph. D., MIT ILP

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Time	Topic	Speaker
7:30 to 8:30	Arrival and Continental Breakfast	Opening remarks (Magali Hickey)
8:30 to 9:00	Flushing the Molecular Pipes with SZMAP: a Study of the Aquaporin Selectivity Filter	Demetri Moustakas (Alkermes)
9:00 to 9:45	From Crystal Structures to Crystal Engineering: 101 Years of X-ray Diffraction and Still Going Strong	Mike Zaworotko (Limerick)
9:45 to 10:15	Elucidating Structure and Dynamics for Improved Pharmaceutical Material Design	Örn Almarsson (Moderna)
10:15 to 10:45	Break	
10:45 to 11:30	Keynote: Obtaining Structures of GPCRs in their Active States	Bill Weis (Stanford)
11:30 to 12:00	Correlation of Disorder with Crystal Growth Conditions using Experimental and Computational Techniques	Matt Peterson (Amgen)
12:00 to 1:00	Networking Lunch	
1:00 to 1:30	The formation of the Malaria Pigment Hemozoin in Human Red Blood Cells Infected by <i>Plasmodium Falciparum</i>	Leslie Leizerowitz (Weizman Institute)
1:30 to 2:00	Complementing Experimental Solid Form Screening with Computed Crystal Energy Landscapes	Susan M. Reutzel-Edens (Eli Lilly)
2:00 to 2:30	Dosable Solvates of Ivacaftor with High Boiling Point Liquids	Yuegang Zhang (Vertex)
2:30 to 3:00	Polymorphism of Aripiprazole and Related Analogues	Tarek Zeidan (Alkermes)
3:00 to 3:30	Break	
3:30 to 4:00	The Application of Structural Informatics to Solid Form Risk Assessment	Peter Wood (CCDC)
4:00 to 4:45	Keynote: Catching Time in a Bottle via Synthetic Crystallography	Greg Verdine (Harvard; Warp Drive)
4:45 to 5:15	Concluding Remarks	Peter Mueller (MIT)
5:30 to 7:30	Networking Reception	