

2015 BIOINFORMATICS WORKSHOP SCHEDULE

Wednesday, December 2, 2015

On Wednesday, please arrive at Harper Court, Room 1121 by 1:45 p.m. to allow time to sign in and pick up your workshop materials. Harper Court is located at 5235 S. Harper Court, near the intersection of 53rd Street and Lake Park Avenue in Hyde Park, Chicago. Please remember to bring your own laptop.

TIME	TOPIC	INSTRUCTOR
2-2:30 p.m.	Opening Remarks	Samuel Volchenboum, MD, PhD
2:30-3 p.m.	Introduction to NGS	Riyue Bao, PhD
3-4 p.m.	Introduction to ChIP-Seq	Riyue Bao, PhD
4-4:15 p.m.	<i>COFFEE BREAK</i>	
4:15-5 p.m.	Experimental Design	Sabah Kadri, PhD

2015 BIOINFORMATICS WORKSHOP SCHEDULE

Thursday, December 3, 2015

On Thursday, please arrive at Harper Court, Room 1121 before 9:00 a.m. Please remember to bring your own laptop.

TIME	TOPIC	INSTRUCTOR
9-10 a.m.	Introduction to Galaxy (lecture and hands-on)	Jorge Andrade, PhD
10-11 a.m.	ChIP-Seq Analysis (lecture)	Kyle Hernandez, PhD
11 a.m. - 12 p.m.	Guest Lecture: Introduction to Reproducible Research in Bioinformatics	Nan Xiao
12-1 p.m.	<i>LUNCH BREAK</i>	
1-2:45 p.m.	ChIP-Seq Analysis, Part I (hands-on)	Tzuni Garcia, PhD
2:45-3 p.m.	<i>COFFEE BREAK</i>	
3-5 p.m.	ChIP-Seq Analysis, Part II (hands-on)	Tzuni Garcia, PhD

Thursday's session will be followed by a reception at 6:00pm at the Chicago Innovation Exchange, located at 1452 E. 53rd Street. The reception will be held on the second floor in the Promontory Room. Hors d'oeuvres and drinks will be served.



2015 BIOINFORMATICS WORKSHOP SCHEDULE

Friday, December 4, 2015

On Friday, please arrive at Harper Court, Room 1121 before 9:00 a.m. Please remember to bring your own laptop.

TIME	TOPIC	INSTRUCTOR
9-11 a.m.	Using R and Bioconductor for Assessment of ChIP-Seq Results (hands-on)	Yan Li, PhD
11 a.m - 12 p.m.	Guest Lecture: Biological Implications of Glucocorticoid Receptor ChIP-seq and Gene Expression Analyses in Breast Cancer Models	Suzanne Conzen, MD
12-1 p.m.	<i>LUNCH BREAK</i>	
1-2:45 p.m.	Using R and Bioconductor for Annotation of ChIP-Seq Results (hands-on)	Kyle Hernandez, PhD
2:45-3 p.m.	<i>COFFEE BREAK</i>	
3-4 p.m.	Alternative Workflows for ChIP-Seq Analysis	Lei Huang, PhD
4-6 p.m.	Guest Lecture: Ingenuity Pathway Analysis	Dr. Devendra Mistry

2015 BIOINFORMATICS WORKSHOP SCHEDULE

Saturday, December 5, 2015

On Saturday, please arrive at Harper Court, Room 1121 before 9:00 a.m. Please remember to bring your own laptop.

TIME	TOPIC	INSTRUCTOR
9-10:45 a.m.	Integration of ChIP-Seq and Gene Expression Data, Part I (hands-on)	Tzuni Garcia, PhD
10:45-11 a.m.	<i>COFFEE BREAK</i>	
11 a.m. - 12 p.m.	Integration of ChIP-Seq and Gene Expression Data, Part II (hands-on)	Tzuni Garcia, PhD
12-1 p.m.	<i>LUNCH BREAK</i>	
1-3 p.m.	Integration of Clinical and Genomics Data	Riyue Bao, PhD