

Clinical and Genetic Epidemiology Winter School - 06.02.2017 – 17.02.2017

Venue: Marchioninstr. 17 room U 005 You find an interactive map to the main entrance here:

https://mapsengine.google.com/map/viewer?mid=zsjiq3Xwi2dA.kUtKIQ_XrsY

First week:

Monday, 6 Feb 2017

Time	Topic	Responsible
9:15 – 10:00	Introduction (overview of the coming 2 weeks)	Prof. Strauch & Prof. Mansmann
10:00 – 10:45 11:15 – 12:45	Basics of genetics	Dr. Müller-Nurasyid
14:15 – 15:45	Introduction to cancer genomics	Prof. Strauch
16:15 – 17:45	Introduction to cancer genomics	

Tuesday, 7. Feb 2017

Time	Topic	Responsible
9:15 – 10:45	Metabolomics	Dr. Gieger & Dr. Kastenmüller
11:15 – 12:45	Metabolomics	Dr. Gieger & Dr. Kastenmüller
14:15 – 15:45	Metabolomics (Computer room in Versorgungsstrasse)	Dr. Gieger & Dr. Kastenmüller
16:15 – 17:45	Metabolomics (Computer room in Versorgungsstrasse)	Dr. Gieger & Dr. Kastenmüller

Wednesday, 8. Feb 2017

Time	Topic	Responsible
9:15 – 10:45	Prediction models for cancer	Dr. Fischer & Dr. Quante
11:15 – 12:45	Prediction models for cancer	Dr. Fischer & Dr. Quante
14:15 – 15:45	Prediction models for cancer (K5)	Dr. Fischer & Dr. Quante
16:15 – 17:45	Prediction models for cancer (K5)	Dr. Fischer & Dr. Quante

Thursday, 9. Feb 2017

Time	Topic	Responsible
9:15 – 10:45	Intra- and inter- tumor heterogeneity - Theory	Prof. Mansmann
11:15 – 12:45	Intra- and inter- tumor heterogeneity - Theory	Prof. Mansmann
14:15 – 15:45	Intra- and inter-tumor heterogeneity - Exercise	Prof. Mansmann
16:15 – 17:45	Intra- and inter-tumor heterogeneity - Exercise	Prof. Mansmann

Friday 10. Feb 2017

Time	Topic	Responsible
9:15 – 10:45	Personalized Medicine and Study Designs	Prof. Strauch
11:15 – 12:45	Personalized Medicine and Study Designs	Prof. Strauch
14:15 – 15:45	Health economics and ethics	Dr. Schwarzkopf
16:15 – 17:45	Health economics and ethics	Dr. Schwarzkopf

Second week:

Monday 13. Feb 2017

Time	Topic	Responsible
9:15 – 10:45	An Introduction to Next-Generation Sequencing (Room: 7K-01-651)	Mr Nazeer Batcha
11:15 – 12:45	NGS data analysis using Galaxy: A hands-on course (Room: 7K-01-651)	Mr Nazeer Batcha
14:15 – 15:45	Principles for the ethical analysis of clinical and translational research (IBE Library!!!)	Prof. Mansmann
16:15 – 17:45	Principles for the ethical analysis of clinical and translational research (IBE Library!!!)	Prof. Mansmann

Tuesday 14. Feb 2017

Time	Topic	Responsible
9:15 – 10:45	Genetic association analysis with ECG parameters (IBE Library!!!)	Dr. Müller-Nurasyid
11:15 – 12:45	Personalized Medicine in Cardiology - Rhythmology as Example (IBE Library!!!)	Prof. Kääb
14:15 – 15:45	Self-Study Direct-to-consumer genetic testing (IBE Library!!! – no internet, please download the text before!!!)	
16:15 – 17:45	Self-Study Direct-to-consumer genetic testing (IBE Library!!!)	

Wednesday 15. Feb 2017

Time	Topic	Responsible
9:15 – 10:45	Statistics for high dimensional data	Prof. Boulesteix
11:15 – 12:45	Statistics for high dimensional data	Prof. Boulesteix
14:15 – 15:45	Pharmacogenomics	Prof. Cascorbi
16:15 – 17:45	Pharmacogenomics	Prof. Cascorbi

20:00 – Winter School Dinner at Mariandl (Goethestraße 51, 80336 München)

Thursday 16. Feb 2017

Time	Topic	Responsible
9:15 – 10:45	Direct-to-consumer genetic testing	Dr. Quante & B. Strahwald
11:15 – 12:45	Direct-to-consumer genetic testing	Dr. Quante & B. Strahwald
14:15 – 15:45	Complexity and causality in personalized medicine	Prof. Mewes
16:15 – 17:45	Data integration and Knowledge exploration	Prof. Mewes

Friday 17. Feb 2017

Time	Topic	Responsible
9:15 – 10:45	Wrap Up (per group: 10 min. presentations; 5 min. questions and discussion)	Prof. Mansmann & Prof. Strauch
11:15 – 12:45	Wrap Up (per group: 10 min. presentations; 5 min. questions and discussion)	Prof. Mansmann & Prof. Strauch
14:15 – 15:45	Exam (optional)	